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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/servlet/tags/form/AbstractHtmlElementBodyTag.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/servlet/view/script/RenderingContext.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/servlet/handler/HandlerMethodMappingNamingStrategy.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitter.java
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- jar/org/springframework/web/servlet/tags/form/CheckboxTag.java
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- /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/config/RequestContextUtils.java
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- /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/mvc/view/AbstractView.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.

@Deprecated
@since 2.0

/*
 */

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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/servlet/view/xslt/XsltView.java

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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/AbstractUrlViewController.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/support/RedirectAttributes.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/tags/form/OptionWriter.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/tags/form/RadioButtonsTag.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/LastModified.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-jar/org/springframework/web/mvc/tags/ParamAware.java

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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/mvc/UrlFilenameViewController.java
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jar/org/springframework/web/servlet/resource/AppCacheManifestTransformer.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2-
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jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterReturnValueHandler.java
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jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
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jar/org/springframework/web/servlet/view/ViewResolverComposite.java
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jar/org/springframework/web/servlet/mvc/condition/RequestCondition.java
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* /opt/cola/permits/1136375382_1613752614.37/0/spring-webmvc-5-2-6-release-sources-2.jar/org/springframework/web/servlet/view/script/ScriptTemplateViewResolver.java
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* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/ConstraintValidatorContext.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/package-info.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/BeanDescriptor.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/Digits.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/valueextraction/ValueExtractor.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/valueextraction/ValueExtractor.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraintvalidation/ValidationTarget.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/valueextraction/Unwrapping.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/metadata/ExecutableDescriptor.java
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* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/Null.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/FutureOrPresent.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/constraints/Default.java
* /opt/cola/permits/1135880235_1613624044.20/jakarta-validation-api-2-0-2-sources-3.jar/javax/validation/messages/messages.properties
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1.4 perks 1.0.0

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* /opt/ws_local/PERMITS_SQL/1080034419_1597558313.67/0/netty-transport-native-kqueue-4-1-49-final-sources-jar/io/netty/channel/kqueue/BsdSocket.java
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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 $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_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\[ :\]/\1.o $@ : /g\" > $@; \n| -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s/\(\$*\)\.o\[ :\]/\1.o $@ : /g\" > $@; \n| -s $@ ] || rm -f $@’

## Versioned libraries rules

%.$(@SO).$(SO_TARGET_VERSION_MAJOR): %.$(@SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(@SO): %.$(@SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(@SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library ’s’
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
## End BSD-specific setup

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1.21 swagger 1.5.16

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1.22 jackson-annotations 2.11.0

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.);
import org.eclipse.persistence.persistence.sessions.*;
import org.eclipse.persistence.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 */
public abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException {
    return this.descriptor.getObjectBuilder().buildNewInstance();
}

/**
 * INTERNAL:
 * Clones the CopyPolicy
 */
public Object clone() {
    try {
        // clones itself
        return super.clone();
    } catch (Exception exception) {
    }
    return null;
}

/**
 * Return the descriptor.
 */
protected ClassDescriptor getDescriptor() {
    return descriptor;
}

/**
 * Do nothing by default.
 */
public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */
public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}

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 */
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {
        super();
    }

    public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public Object buildClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public boolean buildsNewInstance() {
        return false;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "();
    }
}

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 */
package org.eclipse.persistence.descriptors.copying;

import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.sessions.AbstractRecord;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/**
 * <p><b>Purpose</b>: Allows a clone of an object to be created with a method that returns
 * the cloned object.
 * *
 * It is possible to define methods for two types of clones
 * *
 * 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
 * own internal use. The objects created by this method will not be visible to the user, and
 * instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
 * also be in place of the workingCopyMethod if it is not provided
 * *
 * 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
 * Object is registered in a UnitOfWork
 */
public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
    protected transient Method workingCopyMethod;

    public CloneCopyPolicy() {
        super();
    }

    /**
     * Clone through calling the clone method.
     */
    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() == null) {
            return null;
        }

        // Call the clone method
        try {
            return MethodUtils.invokeViaProxy(session, domainObject, this.getMethodName());
        } catch (PrivilegedActionException e) {
            throw new DescriptorException(e);
        }
    }
}
return getDescriptor().getObjectBuilder().buildNewInstance();
}
try {
    if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
        try {
            return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject,
            new Object[0]));
        } catch (PrivilegedActionException exception) {
            Exception throwableException = exception.getException();
            if (throwableException instanceof IllegalAccessException) {
                throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), throwableException);
            } else {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), throwableException);
            }
        }
    } else {
        return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
    }
} catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
    this.getDescriptor(), exception);
} catch (InvocationTargetException exception) {
    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
    this.getDescriptor(), exception);
}

/**
 * Clone through the workingCopyClone method, or if not specified the clone method.
 */
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    if (this.getWorkingCopyMethodName() == null) {
        //not implemented to perform special operations.
        return this.buildClone(domainObject, session);
    }
    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                domainObject, new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
                }
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
    }
}
this.getDescriptor(), throwableException);
    } else {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
this.getDescriptor(), throwableException);
    }
}

} else {
    return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new
Object[0]);
}

} catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
this.getDescriptor(), exception);
} catch (InvocationTargetException exception) {
    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
this.getDescriptor(), exception);
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
    ObjectBuilder builder = getDescriptor().getObjectBuilder();
    if (getWorkingCopyMethodName() != null) {
        Object original = builder.buildNewInstance();
        builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
        return buildWorkingCopyClone(original, query.getSession());
    } else {
        return builder.buildNewInstance();
    }
}

/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    final Class javaClass = this.getDescriptor().getJavaClass();
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            this.setMethod(Helper.getDeclaredMethod(javaClass, this.getMethodName(), new Class[0]));
        }
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
    if (this.getWorkingCopyMethodName() != null) {
        try {
            this.setWorkingCopyMethod(Helper.getDeclaredMethod(javaClass, this.getWorkingCopyMethodName(), new Class[0]));
        } catch (NoSuchMethodException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        } catch (SecurityException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        }
    }
}
/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}

/**
 * Set the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
 * Set the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

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package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions. *
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions. *

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 *
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 *
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 *
 * @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
 * @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
 */
public interface CopyPolicy extends Cloneable, Serializable {

 /**
  * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
  */
  Object buildClone(Object object, Session session) throws DescriptorException;

 /**
  * Return a shallow clone of the object for usage with the unit of work working copy.
  */
  Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

 /**
  * Return an instance with the primary key set from the row, used for building a working copy during a unit of
  * work transactional read.
  */
Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException;

/**
 * Clone the CopyPolicy.
 */
Object clone();

/**
 * Allow for any initialization or validation required.
 */
void initialize(Session session) throws DescriptorException;

/**
 * Set the descriptor.
 */
void setDescriptor(ClassDescriptor descriptor);

/**
 * Return if this copy policy creates a new instance, vs a clone.
 */
boolean buildsNewInstance();

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * Purpose: This is the default copy policy.
 */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
public InstantiationCopyPolicy() {
    super();
}

public Object buildClone(Object domainObject, Session session) throws DescriptorException {
    return getDescriptor().getObjectBuilder().buildNewInstance();
}

public boolean buildsNewInstance() {
    return true;
}

public String toString() {
    return Helper.getShortClassName(this) + "()";
}

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1.24 javax-json 1.0.4

1.25 traceroute 2.0.22 2.el7

1.25.1 Available under license:

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@smallexample
@group
with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.
@end group
@end smallexample

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

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

1.29 cracklib 2.9.0 11.el7
1.29.1 Available under license :

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Version 2.1, February 1999
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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^L

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

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

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

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

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

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Copyright information:

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

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

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

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

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

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

-- 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 8:15 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
> -mike

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=
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
change until it was mentioned in the latest notes.
unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which IMO is just wrong. It isn't the place of a library to dictate to application writers what license they should be using.

Thus LGPL-2.1 enters to fill this void.

--mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> ----- 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
>
> > 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 GPL-2... it was a modified artistic license ... i didn't notice the license
> change until it was mentioned in the latest notes.
> >=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isn't the
> place of a
> library to dictate to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: 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:
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> > > additional code, so whatever licensing y'all come up with is fine
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> > I am sympathetic. Guys, what do you reckon?
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> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
> My apologies for not chiming in in anything resembling a reasonable time frame.
> 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
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>
yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
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Attachments: Message as HTML
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> 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.
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> 
> ---------- Forwarded message ----------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly 
> that the license is being changed to GPL, so I could include that 
> email 
> in the repository and clean up the repository/tarballs? I have all the 
> original discussion, but something succinct and self contained 
> would be 
> ideal. 

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :)

-a 

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

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

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

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike
Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18  
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.

-- 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
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> > libraries under  
> > GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
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Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
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> 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=20
applications are also GPL-2 which imo is just wrong. It isn't the place of a library to dictate what license an application 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
It 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.

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of Mike Frylinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
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Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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I am sympathetic. Guys, what do you reckon?

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

-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:
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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 I91Gxptr020623
    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>
    <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
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
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ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.30 nss 3.53.1-1.el7_9
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Note on LGPL Compatibility
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Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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

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

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1.36 ansible 3.0.0

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1.38 pyasn1-modules 0.0.8

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Jinja is a fast, expressive, extensible templating engine. Special placeholders in the template allow writing code similar to Python syntax. Then the template is passed data to render the final document.

It includes:

- Template inheritance and inclusion.
- Define and import macros within templates.
- HTML templates can use autoescaping to prevent XSS from untrusted user input.
- A sandboxed environment can safely render untrusted templates.
- AsyncIO support for generating templates and calling async functions.
- I18N support with Babel.
- Templates are compiled to optimized Python code just-in-time and cached, or can be compiled ahead-of-time.
- Exceptions point to the correct line in templates to make debugging easier.
- Extensible filters, tests, functions, and even syntax.

Jinja's philosophy is that while application logic belongs in Python if possible, it shouldn't make the template designer's job difficult by restricting functionality too much.
Installing
----------

Install and update using `pip`_

.. code-block:: text

    $ pip install -U Jinja2


In A Nutshell
-------------

.. code-block:: jinja

    {% extends "base.html" %}
    {% block title %}Members{% endblock %}
    {% block content %}
    <ul>
    {% for user in users %}
    <li><a href="{{ user.url }}">{{ user.username }}</a></li>
    {% endfor %}
    </ul>
    {% endblock %}

Links
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- Official chat: https://discord.gg/t6rrQZH

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Environment :: Web Environment
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
import io
import re

from setuptools import find_packages
from setuptools import setup

with io.open("README.rst", "rt", encoding="utf8") as f:
    readme = f.read()

with io.open("src/jinja2/__init__.py", "rt", encoding="utf8") as f:
    version = re.search(r'__version__ = "(.*)"', f.read(), re.M).group(1)

setup(
    name="Jinja2",
    version=version,
    url="https://palletsprojects.com/p/jinja/",
    project_urls={
        "Documentation": "https://jinja.palletsprojects.com/",
        "Code": "https://github.com/pallets/jinja",
        "Issue tracker": "https://github.com/pallets/jinja/issues",
    },
    license="BSD-3-Clause",
    author="Armin Ronacher",
    author_email="armin.ronacher@active-4.com",
    maintainer="Pallets",
    maintainer_email="contact@palletsprojects.com",
)
description="A very fast and expressive template engine."
long_description=readme,
classifiers=[
  "Development Status :: 5 - Production/Stable",
  "Environment :: Web Environment",
  "Intended Audience :: Developers",
  "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 :: 3.5",
  "Programming Language :: Python :: 3.6",
  "Programming Language :: Python :: 3.7",
  "Programming Language :: Python :: 3.8",
  "Programming Language :: Python :: Implementation :: CPython",
  "Programming Language :: Python :: Implementation :: PyPy",
  "Topic :: Internet :: WWW/HTTP :: Dynamic Content",
  "Topic :: Software Development :: Libraries :: Python Modules",
  "Topic :: Text Processing :: Markup :: HTML",
],
packages=find_packages("src"),
package_dir={": "src"},
include_package_data=True,
python_requires=">=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*, !=3.4.*",
install_requires=["MarkupSafe>=0.23"],
extras_require={"i18n": ["Babel>=0.8"]},
entry_points={"babel.extractors": ["jinja2 = jinja2.ext:babel_extract[i18n]"]},
)

Found in path(s):
* /opt/cola/permits/1160876753_1620411588.74/0/jinja2-2-11.3-1-tar-gz/Jinja2-2.11.3/setup.py

1.48 iso8601 0.1.14
1.48.1 Available under license:

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1.49 commons-compress 1.18

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1.52 python 2.7.5-90.el7
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A. HISTORY OF THE SOFTWARE

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

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.56 json-simple 1.1.1

1.57 plymouth 0.8.9-0.34.20140113.el7.centos

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/datasource/ConnectionProxy.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/datasource/AbstractDriverBasedDataSource.java

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/support/incrementer/DB2MainframeSequenceMaxValueIncrementer.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/support/incrementer/DB2SequenceMaxValueIncrementer.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/core/namedparam/ParsedSql.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/DatabaseMetaDataCallback.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/DataSourcePopulator.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/CompositeDatabasePopulator.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/datasource/embedded/SimpleDriverDataSourceFactory.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/datasource/lookup/DataSourceLookupFailureException.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/support/SqlValue.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/core/InterruptibleBatchPreparedStatementSetter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/support/incrementer/AbstractSequenceMaxValueIncrementer.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/support/xml/XmlCharacterStreamProvider.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/support/xml/XmlResultProvider.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/support/xml/SqlXmlFeatureNotImplementedException.java
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  jar/org/springframework/jdbc/support/MetaDataAccessException.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/SQLWarningException.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/datasource/lookup/JndiDataSourceLookup.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/config/JdbcNamespaceHandler.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/datasource/SmartDataSource.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/core/BatchPreparedStatementSetter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
jar/org/springframework/jdbc/object/GenericStoredProcedure.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/xml/XmlBinaryStreamProvider.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/SqlProvider.java

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/RowMapper.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/object/UpdatableSqlQuery.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/metadata/CallMetaDataProvider.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/metadata/CallParameterMetaData.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/support/JdbcDaoSupport.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/support/SqlInOutParameter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/datasource/UserCredentialsDataSourceAdapter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/AbstractFallbackSQLExceptionTranslator.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/incrementer/HsqlSequenceMaxValueIncrementer.java

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/rowset/ResultSetWrappingSqlRowSetMetaData.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/CallableStatementCreator.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/ParameterizedPreparedStatementSetter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/ParameterizedPreparedStatementSetter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/ArgumentPreparedStatementSetter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/config/DatabasePopulatorConfigUtils.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/simple/SimpleJdbcCallOperations.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/core/namedparam/SqlParameterSourceUtils.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/SQLErrorCodeSQLExceptionTranslator.java

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/namedparam/NamedParameterJdbcOperations.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/SqlParameter.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/simple/SimpleJdbcInsertOperations.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/ConnectionCallback.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/object/BatchSqlUpdate.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/object/SqlQuery.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/core/namedparam/EmptySqlParameterSource.java

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*/
/**
* Strategy interface for translating between [@link SQLException SQLExceptions]
* and Spring's data access strategy-agnostic [@link DataAccessException]
* hierarchy.
* *
* Implementations can be generic (for example, using
* [@link java.sql.SQLException#SQLExceptionSQLState SQLState] codes for JDBC) or wholly
* proprietary (for example, using Oracle error codes) for greater precision.
* *
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

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* limitations under the License.
*/
/**
* Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
* Will not need to do anything if using PreparedStatement's standard methods,
* but might be necessary to free database resources if using proprietary means.
* <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have been executed or the affected O/R mapping sessions have been flushed.
* Otherwise, the database resources for the temporary BLOBs might stay allocated.
*/

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/core/namedparam/NamedParameterJdbcTemplate.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/init/ScriptUtils.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
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 */

/**
 * Implement this interface when parameters need to be customized based
 * on the connection. We might need to do this to make use of proprietary
 * features, available only with a specific Connection type.
 *
 * @author Rod Johnson
 * @author Thomas Risberg
 * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
 */

/**
 * Create a Map of input parameters, keyed by name.
 * @param con a JDBC connection. This is useful (and the purpose of this interface)
 * if we need to do something RDBMS-specific with a proprietary Connection
 * implementation class. This class conceals such proprietary details. However,
 * it is best to avoid using such proprietary RDBMS features if possible.
 * @return a Map of input parameters, keyed by name (never [@code null])
 * @throws SQLException if an SQLException is encountered setting
 * parameter values (that is, there's no need to catch SQLException)
 */

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/**
* The classes in this package make JDBC easier to use and
* reduce the likelihood of common errors. In particular, they:
* <ul>
* <li>Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
* <li>Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
* <li>Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.
* </ul>

*/

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/object/RdbmsOperation.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/datasource/TransactionAwareDataSourceProxy.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/rowset/SqlRowSet.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/JdbcUtils.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
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jar/org/springframework/jdbc/support/SQLStateSQLExceptionTranslator.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
jar/org/springframework/jdbc/object/SqlFunction.java

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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/support/rowset/SqlRowSetMetaData.java
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* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2.jar/org/springframework/jdbc/datasource/init/CannotReadScriptException.java
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  jar/org/springframework/jdbc/datasource/embedded/EmbeddedDatabase.java
* /opt/cola/permits/1136375286_1613752990.74/0/spring-jdbc-5-2-6-release-sources-2-
  jar/org/springframework/jdbc/datasource/init/ScriptStatementFailedException.java

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

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

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

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

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   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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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 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.

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 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.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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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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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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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.

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linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or
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of these things:

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Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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.

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1.82 model 2.5.0

1.83 mergo v0.3.6
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* https://github.com/eclipse-ee4j/glassfish-shoal
* https://github.com/eclipse-ee4j/glassfish-cdi-porting-tck
* https://github.com/eclipse-ee4j/glassfish-jsftemplating
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* https://github.com/eclipse-ee4j/glassfish-hk2
* https://github.com/eclipse-ee4j/glassfish-fighterfish

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1.96 urllib3 1.26.4

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# Contributions to the urllib3 project

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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/@WBRSRJBZDhBFXQB6/>
  * 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@ravellosystems.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.
Open Source Used In Elastic Services Controller Software 5.5.0  789

* 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

* 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_forcelist 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 `urlib2.urlopen().geturl()` behavior

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

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

* Tim Bell <https://github.com/timb07>
  * Bugfix for responses with Content-Type: message/* logging warnings
* Justin Bramley <https://github.com/jbramleycl>
  * Add ability to handle multiple Content-Encodings

* Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
  * Remove Authorization header regardless of case when redirecting to cross-site

* 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()```

* Keiichi 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 typeshed

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

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

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

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

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

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

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That's all there is to it!

1.100 spring-tx 5.2.6.RELEASE

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type `show c' for details.
```

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-->
<project name="Jersey-Licence-Maintenance" default="jar" basedir=".">

<taskdef name="licensetool" classname="org.jvnet.licensetool.LicenseToolTask">
<classpath>
<target name="check-copyright" description="Checks all source files has proper licence boilerplate">
  <licensetool srcDir="../.."
    validate="true"
    skipdirs=".svn"
    copyright="copyright.txt"
    includes="jersey/src/**/*.java jersey/test/**/*.java jersey/build.xml jersey/examples/**/*.java
jersey/maven/**.xml **/*.pom/*.xml">
  </licensetool>
</target>

<target name="fix-copyright" description="Fixes licence boilerplate at all source files">
  <licensetool srcDir="../.."
    validate="false"
    skipdirs=".svn"
    copyright="copyright.txt"
    includes="jersey/src/**/*.java jersey/test/**/*.java jersey/build.xml jersey/examples/**/*.java
jersey/maven/**.xml **/*.pom/*.xml">
  </licensetool>
</target>

</project>
Open Source Used In Elastic Services Controller Software 5.5.0 969

```java
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(Ljava/lang/Object;).Ljava/lang/StringBuilder;toString()Ljava/lang/String;
getParserQ(Lorg/jvnet/licensetool/file/FileWrapper;)Lorg/jvnet/licensetool/file/FileParser;
SourceFileFileRecognizer.java)org/jvnet/licensetool/file/FileRecognizer(java/lang/Object
1value()Ljava/lang/String;AnnotationDefault
SourceFileDefaultValue.javaRuntimeVisibleAnnotations!Ljava/lang/annotation/Documented;Ljava/lang/annotation/
Target;"Ljava/lang/annotation/ElementType;METHOD
Ljava/lang/annotation/Retention;&Ljava/lang/annotation/RetentionPolicy;RUNTIME.org/jvnet/licensetool/argparse/
RetValDefaultValue.java/lang/Object/annotation/Annotation&ns
[\n[\nLorg/jvnet/licensetool/ActionFactory;<init>((Lorg/jvnet/licensetool/ActionFactory;)VCodeLineNumbe
tableLocalVariableTablethisInnerClassesLorg/jvnet/licensetool/ActionFactory$2;toString()Ljava/lang/String;eval
uate*(Lorg/jvnet/licensetool/file/ParsedFile;)Zarg'Lorg/jvnet/licensetool/file/ParsedFile;(Ljava/lang/Object;)Zx0Lja
v/lang/Object;
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actory$2java/lang/Object@org/jvnet/licensetool/Scanner$ActionAction#org/jvnet/licensetool/ActionFactory
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4
```
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Build-Jdk: 1.5.0.06
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ActionInnerClasses
java/lang/Object
org/jvnet/licensetool/generic/UnaryBooleanFunction
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*/

package com.sun.jersey.impl.json;

import java.util.LinkedList;
import java.util.List;
import javax.xml.bind.annotation.XmlRootElement;

@XmlRootElement
public class Permission {
    public Integer id;
    public List<Permission> children;          // optional, holds the children permission of this one

    public static Permission getRoot Permission() {
        Permission result = new Permission();
        result.id = 7;
        result.children = new LinkedList<Permission>();
        result.children.add(getChildPermission());
        return result;
    }

    public static Permission getChildPermission() {
        Permission result = new Permission();
        result.id = 8;
        result.children = new LinkedList<Permission>();
        result.children.add(get2ndLevelChildPermission());
        return result;
    }

    public static Permission get2ndLevelChildPermission() {
        Permission result = new Permission();
        result.id = 9;
        return result;
    }
}

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END OF TERMS AND CONDITIONS

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<p>Version 2.1, February 1999</p>

<div class="section" lang="en">
<div class="titlepage">
<div>
<div><h2 class="title" style="clear: both"><a name="lgpl-1"></a>Preamble</h2></div>
</div>
</div>

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

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

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

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

We call this license the <span class="emphasis">Lesser</span> 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.</p>

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.</p>

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.</p>

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.</p>

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.</p>

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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
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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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<div class="section" lang="en">
<div class="titlepage">
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<div><h3 class="title"><a name="lgpl-2-2"></a>Section 2</h3></div>
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<ol type="a">
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<li>You must cause the files modified to carry prominent notices
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<li>You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.</li>
<li>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.</li>
</ol>

<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, <a href="#lgpl-2-2-d">Subsection 2d</a> 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.)</p>
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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.
derivative of it, under a href="#lgpl-2-2" title="Section 2">Section 2</a> in object code or executable form under the terms of a href="#lgpl-2-1" title="Section 1">Sections 1</a> and a href="#lgpl-2-2" title="Section 2">2</a> above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of a href="#lgpl-2-1" title="Section 1">Sections 1</a> and a href="#lgpl-2-2" title="Section 2">2</a> above on a medium customarily used for software interchange.<p></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>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 &quot;work that uses the Library&quot;. 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 &quot;work that uses the Library&quot; with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a &quot;work that uses the library&quot;. The executable is therefore covered by this License. <a href="#lgpl-2-6" title="Section 6">Section 6</a> states terms for distribution of such executables.</p><p>When a &quot;work that uses the Library&quot; 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.</p><p>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 <a href="#lgpl-2-6" title="Section 6">Section 6</a>.)</p><p>Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of <a href="#lgpl-2-6" title="Section 6">Section 6</a>. Any executables containing that work also fall under <a href="#lgpl-2-6" title="Section 6">Section 6</a>, whether or not they are linked directly with the Library itself.

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

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- Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under <a href="#lgpl-2-1" title="Section 1">Sections 1</a> and <a href="#lgpl-2-2" title="Section 2">2</a> above); and, if the work is an executable linked with the Library, with the complete machine-readable &amp;#8220;work that uses the Library&amp;#8221; as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- Accompany the work with a written offer, valid for at least three years, to give the same user the materials
specified in <a href="#lgpl-2-6-a">Subsection 6a</a>, above, for a charge no more
than the cost of performing this distribution.</p></li>
<li><p>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.</p></li>
<li><p>Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.</p></li>
</ol>
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For an executable, the required form of the work that uses the
Library must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.</p>

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.</p>

You may place library facilities that are a work based on the
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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:
</p>

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.</p></li>
<li><p>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.</p></li></ol></div><div class="section lang="en">
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<div><h3 class="title"><a name="lgpl-2-9"></a>Section 9</h3></div>
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<div class="titlepage">
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<div><h3 class="title"><a name="lgpl-2-10"></a>Section 10</h3></div>
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  <div><h3 class="title"><a name="lgpl-2-13">Section 13</a></h3></div>
</div>

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   Ty Coon, President of Vice</p>

<p>That's all there is to it!</p>
<target>1.5</target>
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</plugin>
<!-- modifies the license header -->
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<!-- validate the correctness of the license header -->
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<phase>test</phase>
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</taskdef>
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dryrun="false"
includes="target/test-classes/testsrc"/>
</licensetool>
</tasks>
</configuration>
</execution>
</executions>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
<groupId>junit</groupId>
<artifactId>junit</artifactId>
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The text in the image appears to be a mix of characters and symbols, making it difficult to interpret naturally. It seems to be a combination of random characters and possibly some Java code fragments. Without additional context, it's challenging to provide a meaningful translation.
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stuvw'x,y3];}EwKRW+>

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CBBBBBBBHB

B

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OpenModeInnerClasses

CodeLineNumberTable
LocalVariableTable
this(Lorg/jvnet/license/tool/file/FileWrapper;(Ljava/lang/String;)V

strLjava/lang/String;#(Ljava/io/File;Ljava/lang/String;)V

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toString()Ljava/lang/String;

isYoungerThan+(Lorg/jvnet/license/tool/file/FileWrapper;)Z

delete()V

getNamegetAbsoluteNamegetAbsoluteNamereadLine
Exceptions

readAsStringLjava/lang/StringBuilder;
writeLine
writeTo excLjava/io/IOException;
FileWrapper.java
SourceFile FileWrapper.java
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are:
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vnet/licensetool/argparser/ArgParser$TestInterfacewxHelp text for this parser:
Result is:
Fjava/lang/Object4org/jvnet/licensetool/argparser/ArgParser$StringPair6org/jvnet/licensetool/argparser/ArgParser$
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java/util/Collectiondescribe()Ljava/lang/String;java/util/logging/LoggerwarninginfogetParameterTypes()Ljava/lang/Cl
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)
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CodeLineNumberTable
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Exception occurred in calling constructor
java/lang/reflect/Constructor
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getName()Ljava/lang/String;append-(Ljava/lang/String;)Ljava/lang/StringBuilder;getTargetException()Ljava/lang/Throwable;-(Ljava/lang/Object;)Ljava/lang/StringBuilder;toString(Ljava/lang/String;)V

Signature(TS;TT;)TR;P<S:Ljava/lang/Object;T:Ljava/lang/Object;R:Ljava/lang/Object;>Ljava/lang/Object;
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1Q
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Open Source Used In Elastic Services Controller Software 5.5.0  1053
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1.105 zipp 3.4.1

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1.107 spring-framework 5.2.6.RELEASE

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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"
}

type Legal_RegulatedWorkload_Type struct {
    Entity

    Id *int `json:"id,omitempty" xmlrpc:"id,omitempty"

    KeyName *string `json:"keyName,omitempty" xmlrpc:"keyName,omitempty"

    Name *string `json:"name,omitempty" xmlrpc:"name,omitempty"
}

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/* */
/* $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $ */

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* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.8

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* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/do_command.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/config.h
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/user.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/database.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/env.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/entry.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/job.c

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 *
 * @(#)bitstring.h 5.2 (Berkeley) 4/4/90
 */

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Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.
Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

crontab -u uucp -r /usr/lib/uucp/crontab.src

   crontab -u news -r /usr/lib/news/crontab.src

   crontab -u root -r /usr/adm/crontab.src

   Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `-u USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

   Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

   Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

   Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no `&' is needed since the daemon forks itself and the process you executed returns immediately.

   ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

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   * /opt/ws_local/PERMITS_SQL/1046409808_1590072105.43/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/INSTALL
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* */

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1.112 golang-snappy 0.0.1
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1.115 hk2-runlevel 2.6.1

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* /opt/ws_local/PERMITS_SQL/1073136225_1595284717.52/0/hibernate-validator-annotation-processor-6-0-11-
1.127 gobject-introspection 1.56.1-1.el7

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1.128 spring-hateoas 1.0.5.RELEASE

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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
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* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1PodTemplateSpec.java
* /opt/cola/permits/1160523576_1620962458.72/0/client-java-api-12-0-0-sources-
jar/io/kubernetes/client/openapi/models/V1beta1Eviction.java

1.130 cyrus-sasl 2.1.26
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    * Tim Martin
    * Rob Earhart
    * Rob Siemborski
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1.132 spring-boot-starter-jersey

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1.133 spring-boot-starter-logging

2.2.7.RELEASE

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Found in path(s):
*/opt/cola/permits/1137623744_1614109110.81/0/spring-boot-starter-logging-2-2-7-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-logging/pom.xml

1.134 hk2-runlevel 2.5.0-b32

1.134.1 Available under license:
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1.135 generex 1.0.2

1.135.1 Available under license:
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  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
</project>
<distributionManagement>
  <snapshotRepository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
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  </resources>
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      <artifactId>maven-install-plugin</artifactId>
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      <configuration>
        <file>target/${project.artifactId}-${project.version}.jar</file>
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  </plugins>
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<packaging>maven-plugin</packaging>
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<artifactId>maven-jar-plugin</artifactId>
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  <artifactId>maven-dependency-plugin</artifactId>
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</plugin>

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
  <version>2.10.3</version>
  <configuration>
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    <failOnError>false</failOnError>
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  </configuration>
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  <configuration>
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    <preparationGoals>package install:install-file</preparationGoals>
    <scmCommentPrefix>#3</scmCommentPrefix>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-deploy-plugin</artifactId>
  <version>3.0.1</version>
  <configuration>
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</plugin>

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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>3.0.1</version>
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<artifactId>maven-javadoc-plugin</artifactId>
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</configuration>
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<artifactId>maven-pmd-plugin</artifactId>
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<totalLineRate>80</totalLineRate>
<packageLineRate>80</packageLineRate>
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</check>
<instrumentation>
<excludes>
<exclude>*/*/HelpMojo.class</exclude>
</excludes>
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<executions>
<execution>
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<goals>
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<goals>
<executions>
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<excludes>
</configuration>
</plugin>
</groupId>
</artifactId>
</groupId>
</artifactId>
<groupId>org.hamcrest</groupId>
<artifactId>hamcrest-junit</artifactId>
<version>2.0.0.0</version>
<scope>test</scope>
</dependency>
</dependencies>
</project>

Found in path(s):
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/META-INF/maven/com.github.mifmif/generex/pom.xml

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 */

Found in path(s):
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/GenerexIterator.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Main.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java
1.136 zlib 1.2.11

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

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
*/

1.137 spring-boot-starter-validation

2.2.7.RELEASE

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1.138 kr-text v0.1.0
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1.139 jcl-over-slf4j 1.7.30
1.139.1 Available under license:

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Found in path(s):
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/META-INF/maven/org.slf4j/jcl-over-slf4j/pom.xml

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Found in path(s):
* /opt/cola/permits/1135880174_1613624046.95/0/jcl-over-slf4j-1-7-30-sources-1-jar/org/apache/commons/logging/package.html

1.140 javapackages 1.0.0
1.140.1 Available under license:

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1.141 bash 4.2.46 34.el7

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  jar/org/springframework/orm/hibernate5/SpringSessionSynchronization.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/jpa/JpaSystemException.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/SpringJtaSessionContext.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/jpa/...
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* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/LocalSessionFactoryBuilder.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/support/HibernateDaoSupport.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/ObjectRetrievalFailureException.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/SpringSessionContext.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/SessionHolder.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/AbstractEntityManagerFactoryBean.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/HibernateTemplate.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/PersistenceUnitReader.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/DefaultPersistenceUnitManager.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-
  jar/org/springframework/orm/hibernate5/SpringFlushSynchronization.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/jpa/EntityManagerFactory.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/jpa/AbstractJpaVendorAdapter.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/jpa/AbstractEntityManagerImpl.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/jpa/EntityManagerImpl.java

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* { @code createEntityManager } call (may be { @code null })
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* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/hibernate5/HibernateOptimisticLockingFailureException.java
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* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/EntityManagerFactoryInfo.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/EntityManagerProxy.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/JpaObjectRetrievalFailureException.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/JpaOptimisticLockingFailureException.java

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* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/persistenceunit/PersistenceUnitManager.java
* /opt/cola/permits/1137662039_1614114401.94/0/spring-orm-5-2-6-release-sources-1-jar/org/springframework/orm/jpa/JpaOptimisticLockingFailureException.java
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1.143 libffi 3.3

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Julian Seward, jseward@bzip.org
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DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.150 oslo-utils 3.33.0

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1.151 json-path 2.4.0

1.152 libsmi 0.5.0

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

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

tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.
Version: 1.1.2
Entered-date: 23MAR97
Description: C-functions for parsing command line options, both
    traditional one-character options, and GNU'ish
    --long-options.
Keywords: programming, library, lib, commandline, options
Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)
Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/
Alternate-site: sunsite.unc.edu /pub/Linux/libs
shhopt-1.1.2.tar.gz
Platforms: Requires ANSI C-compiler.
Copying-policy: BeerWare: If you have the time and money, send me a bottle
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1.153 bottle 0.12.19

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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 $testdirtester.tcl

# Schema and query extracted from Skrooge.org.
#
do_test fuzz-oss1-skrooge {
    db eval {
        CREATE TABLE parameters (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t UUID parent
            TEXT NOT NULL DEFAULT ",t name TEXT NOT NULL,t value TEXT NOT NULL DEFAULT ",b blob
            BLOB,d lastmodifdate DATE NOT NULL DEFAULT CURRENT_TIMESTAMP,i tmp INTEGER NOT NULL
            DEFAULT 0);
        CREATE TABLE doctransaction (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t name TEXT
            NOT NULL,t mode VARCHAR(1) DEFAULT 'U' CHECK (t mode IN ('U', 'R')),d_date 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 AUTOINCREMENT,rd doctransaction id
        INTEGER NOT NULL,t object id INTEGER NOT NULL,t object table TEXT NOT NULL,
        t action VARCHAR(1) DEFAULT 'I' CHECK (t action IN ('T', 'U', 'D')),t sqlorder TEXT NOT NULL
        DEFAULT '');
    CREATE TABLE doctransactionmsg (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,
        rd doctransaction id INTEGER NOT NULL,t message TEXT NOT NULL DEFAULT ",t popup VARCHAR(1)
        DEFAULT 'Y' CHECK (t popup IN ('Y', 'N')));
    CREATE TABLE unit (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t name TEXT NOT
        NULL,t symbol TEXT NOT NULL DEFAULT '',t country TEXT NOT NULL DEFAULT '',t type VARCHAR(1)
        NOT NULL DEFAULT 'C' CHECK (t type IN ('1', '2', 'C', 'S', 'I', 'O')),t internet code TEXT NOT NULL
        DEFAULT '',i nbdecimal INT NOT NULL DEFAULT 2,rd unit id INTEGER NOT NULL DEFAULT 0, t source
        TEXT NOT NULL DEFAULT '');
    CREATE TABLE unitvalue (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,rd unit id
        INTEGER NOT NULL,d date DATE NOT NULL,f quantity FLOAT NOT NULL CHECK (f quantity>=0));
    CREATE TABLE bank (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t name TEXT NOT
        NULL,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'));
    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'));
    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 ",t payee_id INTEGER NOT NULL DEFAULT 0,t comment TEXT NOT NULL DEFAULT ",t template
        VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t template IN ('Y', 'N'));
    CREATE TABLE operationbalance (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,f balance
        FLOAT NOT NULL CHECK (f balance>=0));
}
<table>
<thead>
<tr>
<th>SQL Statement</th>
</tr>
</thead>
</table>
| CREATE TABLE refund (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '',t_close VARCHAR(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')));
| CREATE TABLE payee (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_name TEXT NOT NULL DEFAULT '',t_address TEXT NOT NULL DEFAULT '', t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')));
| CREATE TABLE suboperation(id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_comment TEXT NOT NULL DEFAULT '',rd_operation_id INTEGER NOT NULL,r_category_id INTEGER NOT NULL DEFAULT 0,f_value FLOAT NOT NULL DEFAULT 0.0,i_tmp INTEGER NOT NULL DEFAULT 0,r_refund_id INTEGER NOT NULL DEFAULT 0, t_formula TEXT NOT NULL DEFAULT '');
| CREATE TABLE rule (id INTEGER NOT NULL PRIMARY KEY AUTOINCREMENT,t_description TEXT NOT NULL DEFAULT '',t_definition TEXT NOT NULL DEFAULT '',t_action_description TEXT NOT NULL DEFAULT '',t_action_definition TEXT NOT NULL DEFAULT '',t_action_type VARCHAR(1) DEFAULT 'S' CHECK (t_action_type IN ('S', 'U', 'A')),t_bookmarked VARCHAR(1) NOT NULL DEFAULT 'N' CHECK (t_bookmarked IN ('Y', 'N')),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 ('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 0 CHECK (t_auto_write_days>=0),t_warn VARCHAR(1) DEFAULT 'Y' CHECK (t_warn IN ('Y', 'N')),i_warn_days INTEGER NOT NULL DEFAULT 0 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_agency_number TEXT NOT NULL DEFAULT '',t_agency_address TEXT NOT NULL DEFAULT '',t_comment TEXT NOT NULL DEFAULT '');

---

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VARIABLE(1) DEFAULT 'N' CHECK (t_close IN ('Y', 'N')),t_type VARCHAR(1) NOT NULL DEFAULT 'C' CHECK (t_type IN ('C', 'D', 'A', 'I', '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 '' CHECK (t_name NOT LIKE '% > %'),t_fullname TEXT,t_icon TEXT DEFAULT '',f_sortorder FLOAT,t_autostart VARCHAR(1) DEFAULT 'N' CHECK (t_autostart IN ('Y', 'N')),t_data TEXT,rd_node_id INT CONSTRAINT fk_id REFERENCES node(id) ON DELETE CASCADE);

CREATE TABLE vm_category_display_tmp(id INT,
t_name TEXT,
t_fullname TEXT,
rd_category_id INT,
t_bookmarked TEXT,
i_NBOPERATIONS,
f_REALCURRENTAMOUNT)
);

CREATE TABLE vm_budget_tmp(id INT,
rc_category_id INT,
t_including_subcategories TEXT,
f_budgeted REAL,
f_budgeted_modified REAL,
f_transferred REAL,
i_year INT,
i_month INT,
t_CATEGORY,
t_PERIOD,
f_CURRENTAMOUNT,
t_RULES)
);

CREATE INDEX idx_doctransaction_parent ON doctransaction (i_parent);
CREATE INDEX idx_doctransactionitem_i_object_id ON doctransactionitem (i_object_id);
CREATE INDEX idx_doctransactionitem_t_object_table ON doctransactionitem (t_object_table);
CREATE INDEX idx_doctransactionitem_t_action ON doctransactionitem (t_action);
CREATE INDEX idx_doctransactionitem_rd_doctransaction_id ON doctransactionitem (rd_doctransaction_id);
CREATE INDEX idx_doctransactionitem_optimization ON doctransactionitem (rd_doctransaction_id, i_object_id, t_object_table, t_action, id);

CREATE INDEX idx_unit_unit_id ON unitvalue(rd_unit_id);
CREATE INDEX idx_account_bank_id ON account(rd_bank_id);
CREATE INDEX idx_account_type ON account(t_type);
CREATE INDEX idx_category_category_id ON category(rd_category_id);
CREATE INDEX idx_category_t_fullname ON category(t_fullname);
CREATE INDEX idx_operation_account_id ON operation (rd_account_id);

CREATE INDEX idx_operation_tmp1_found_transfert ON operation (rc_unit_id, d_date);
CREATE INDEX idx_operation_grouped_operation_id ON operation (i_group_id);
CREATE INDEX idx_operation_i_number ON operation (i_number);
CREATE INDEX idx_operation_i_tmp ON operation (i_tmp);
CREATE INDEX idx_operation_rd_account_id ON operation (rd_account_id);
CREATE INDEX idx_operation_rc_unit_id ON operation (rc_unit_id);
CREATE INDEX idx_operation_t_status ON operation (t_status);
CREATE INDEX idx_operation_t_import_id ON operation (t_import_id);
CREATE INDEX idx_operation_t_template ON operation (t_template);
CREATE INDEX idx_operation_d_date ON operation (d_date);
CREATE INDEX idx_operationbalance_operation_id ON operationbalance (r_operation_id);
CREATE INDEX idx_suboperation_operation_id ON suboperation (rd_operation_id);
CREATE INDEX idx_suboperation_i_tmp ON suboperation (i_tmp);
CREATE INDEX idx_suboperation_category_id ON suboperation (r_category_id);
CREATE INDEX idx_suboperation_refund_id_id ON suboperation (r_refund_id);
CREATE INDEX idx_recurrentoperation_rd_operation_id ON recurrentoperation (rd_operation_id);
CREATE INDEX idx_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 UNIQUE INDEX uidx_parameters_uuid_parent_name ON parameters (t_uuid_parent, t_name);
CREATE UNIQUE INDEX uidx_node_parent_id_name ON node(t_name, rd_node_id);
CREATE UNIQUE INDEX uidx_node_fullname ON node(t_fullname);
CREATE UNIQUE INDEX uidx_unit_name units ON unit(t_name);
CREATE UNIQUE INDEX uidx_unit_symbol ON unit(t_symbol);
CREATE UNIQUE INDEX uidx_unitvalue ON unitvalue(d_date, rd_unit_id);
CREATE UNIQUE INDEX uidx_bank_name ON bank(t_name);
CREATE UNIQUE INDEX uidx_account_name ON account(t_name);
CREATE UNIQUE INDEX uidx_category_parent_id_name ON category(t_name, rd_category_id);
CREATE UNIQUE INDEX uidx_category_fullname ON category(t_fullname);
CREATE UNIQUE INDEX uidx_refund_name ON refund(t_name);
CREATE UNIQUE INDEX uidx_payee_name ON payee(t_name);
CREATE UNIQUE INDEX uidx_interest ON interest(d_date, rd_account_id);
CREATE UNIQUE INDEX uidx_budget ON budget(i_year, i_month, rc_category_id);
CREATE VIEW v_node AS SELECT * FROM node;
CREATE VIEW v_node_displayname AS SELECT *, t_fullname AS t_displayname FROM node;
CREATE VIEW v_parameters_displayname AS SELECT *, t_name AS t_displayname FROM parameters;
CREATE TRIGGER fkdc_parameters_parameters_uuid BEFORE DELETE ON parameters FOR EACH ROW
BEGIN DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'parameters'; END;
CREATE TRIGGER fkdc_node_parameters_uuid BEFORE DELETE ON node FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'node'; END;
CREATE TRIGGER cpt_node_fullname1 AFTER INSERT ON node BEGIN UPDATE node SET
t_fullname=CASE WHEN new.rd_node_id IS NULL OR new.rd_node_id=''' THEN
new.t_name ELSE (SELECT c.t_fullname FROM node c WHERE c.id=new.rd_node_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='''
THEN new.t_name ELSE (SELECT c.t_fullname FROM node c WHERE c.id=new.rd_node_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 utilisa par account)
Nom de la contrainte: fku_account_bank_rd_bank_id_id' WHERE NEW.rd_bank_id!=0 AND NEW.rd_bank_id!="" AND (SELECT id FROM bank WHERE id = NEW.rd_bank_id) IS NULL; END;
CREATE TRIGGER fkdc_bank_account_id_rd_bank_id BEFORE DELETE ON bank FOR EACH ROW BEGIN
DELETE FROM account WHERE account.rd_bank_id = OLD.id; END;
CREATE TRIGGER fki_budget_category_rc_category_id_id BEFORE INSERT ON budget FOR EACH ROW
BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisa par budget)
Nom de la contrainte: fki_budget_category_rc_category_id_id' WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budget_category_rc_category_id_id BEFORE UPDATE ON budget FOR EACH ROW
BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisa par budget)
Nom de la contrainte: fku_budget_category_rc_category_id_id' WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkdc_budget_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN
DELETE FROM budget WHERE budget.rc_category_id = OLD.id; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON budgetrule FOR EACH ROW
BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisa par budgetrule)
Nom de la contrainte: fki_budgetrule_category_rc_category_id_target_id' WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON budgetrule FOR EACH ROW
BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisa par budgetrule)
Nom de la contrainte: fku_budgetrule_category_rc_category_id_target_id' WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkdc_budgetrule_category_rc_category_id_target_id BEFORE DELETE ON category FOR EACH ROW BEGIN
DELETE FROM budgetrule WHERE budgetrule.rc_category_id_target = OLD.id; END;
CREATE TRIGGER fki_budgetrule_category_rc_category_id_target_id BEFORE INSERT ON budgetrule FOR EACH ROW
BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisa par budgetrule)
Nom de la contrainte: fki_budgetrule_category_rc_category_id_target_id' WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fku_budgetrule_category_rc_category_id_target_id BEFORE UPDATE ON budgetrule FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisa par budgetrule)
Nom de la contrainte: fku_budgetrule_category_rc_category_id_target_id' WHERE NEW.rc_category_id_target!=0 AND NEW.rc_category_id_target!="" AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;
CREATE TRIGGER fkdc_budgetrule_category_rc_category_id_target_id BEFORE DELETE ON budgetrule FOR EACH ROW BEGIN
DELETE FROM budgetrule WHERE budgetrule.rc_category_id_target = OLD.id; 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
doctransactionmsg est utilisé par doctransaction)
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
(doctransactionmsg 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 fk_i_node_node_rd_node_id_id BEFORE INSERT ON node FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (node est utilisé par node)'
Nom de la contrainte: fki_node_node_rd_node_id_id) WHERE NEW.rd_node_id != 0 AND NEW.rd_node_id != ‘’
AND (SELECT id FROM node WHERE id = NEW.rd_node_id) IS NULL; END;

CREATE TRIGGER fk_u_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_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW
BEGIN
DELETE FROM operation WHERE operation.rd_account_id = OLD.id; END;

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

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

CREATE TRIGGER fkdc_account_operation_id_rd_account_id BEFORE DELETE ON account FOR EACH ROW
BEGIN
DELETE FROM node WHERE node.rd_node_id = OLD.id; END;

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

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

CREATE TRIGGER fkd_operation_payee_r_payee_id_id BEFORE DELETE ON payee FOR EACH ROW BEGIN
UPDATE operation SET r_payee_id = 0 WHERE r_payee_id = OLD.id; END;

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

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

CREATE TRIGGER fkdc_operation_unit rc_unit_id_id BEFORE DELETE ON unit FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible de dtruire un objet (unit est utilisé par operation)'
Nom de la contrainte: fkd_operation_unit rc_unit_id_id) WHERE (SELECT rc_unit_id FROM operation
WHERE rc_unit_id = OLD.id) IS NOT NULL; END;

CREATE TRIGGER fki_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE INSERT ON
operation FOR EACH ROW BEGIN
SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (recurrentoperation est utilisé par operation)
Nom de la contrainte: fki_operation_recurrentoperation_r_recurrentoperation_id_id) WHERE
CREATE TRIGGER fkdc_operation_recurrentoperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentoperation.rd_operation_id = OLD.id; END;

CREATE TRIGGER fki_suboperation_operation_rd_operation_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (opération est utilis par subopération)') 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 (opération est utilis par subopération)') 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 fki_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (récurrentopération est utilis par operation)') 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 fkdc_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_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE UPDATE ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (récurrentopération est utilis par operation)') 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_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (récurrentopération est utilis par operation)') WHERE NEW.r_recurrentoperation_id!=0 AND NEW.r_recurrentoperation_id!='' AND (SELECT id FROM recurrentoperation WHERE id = NEW.r_recurrentoperation_id) IS NULL; END;

CREATE TRIGGER fku_operation_recurrentoperation_r_recurrentoperation_id_id BEFORE UPDATE ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (récurrentopération est utilis par operation)') 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 (opération est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fki_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (opération est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (opération est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fkd_operationbalance_operation_r_operation_id_id BEFORE DELETE ON operation FOR EACH ROW BEGIN UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;

CREATE TRIGGER fki_operationbalance_operation_r_operation_id_id BEFORE INSERT ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (opération est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fku_operationbalance_operation_r_operation_id_id BEFORE UPDATE ON operationbalance FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (opération est utilis par operationbalance)') WHERE NEW.r_operation_id!=0 AND NEW.r_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.r_operation_id) IS NULL; END;

CREATE TRIGGER fkd_operationbalance_operation_r_operation_id_id BEFORE DELETE ON operationbalance FOR EACH ROW BEGIN UPDATE operationbalance SET r_operation_id=0 WHERE r_operation_id=OLD.id; END;

CREATE TRIGGER fki_recurrentoperation_operation_rd_operation_id_id BEFORE INSERT ON recurrentoperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (opération est utilis par recurrentopération)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;

CREATE TRIGGER fku_recurrentoperation_operation_rd_operation_id_id BEFORE UPDATE ON recurrentopération FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (opération est utilis par recurrentopération)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;

CREATE TRIGGER fkd_recurrentoperation_operation_rd_operation_id_id BEFORE DELETE ON recurrentopération FOR EACH ROW BEGIN DELETE FROM recurrentoperation WHERE recurrentopération.rd_operation_id = OLD.id; END;

CREATE TRIGGER fki_recurrentoperation_operation_rd_operation_id_id BEFORE UPDATE ON recurrentopération FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (opération est utilis par recurrentopération)') WHERE NEW.rd_operation_id!=0 AND NEW.rd_operation_id!='' AND (SELECT id FROM operation WHERE id = NEW.rd_operation_id) IS NULL; END;
CREATE TRIGGER fkdc_operation_suboperation_id_rd_operation_id BEFORE DELETE ON operation FOR EACH ROW BEGIN DELETE FROM suboperation WHERE suboperation.rd_operation_id = OLD.id; END;

CREATE TRIGGER fki_suboperation_category_r_category_id_id BEFORE INSERT ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par subopération)') WHERE NEW.r_category_id!=0 AND NEW.r_category_id!='' AND (SELECT id FROM category WHERE id = NEW.r_category_id) IS NULL; END;

CREATE TRIGGER fku_suboperation_category_r_category_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par subopération)') 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 utilisé par subopération)') WHERE NEW.r_refund_id!=0 AND NEW.r_refund_id!='' AND (SELECT id FROM refund WHERE id = NEW.r_refund_id) IS NULL; END;

CREATE TRIGGER fku_suboperation_refund_r_refund_id_id BEFORE UPDATE ON suboperation FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (refund est utilisé par subopération)') 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 utilisé par unit)') 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 utilisé par unit)') 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 utilisé par unitvalue)') 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 utilisé par unitvalue)') 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 fki_unitvalue_unit_rd_unit_id_id BEFORE INSERT ON unitvalue FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (unit est utilisé par unitvalue)') 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 utilisé par unitvalue)') WHERE NEW.rd_unit_id!=0 AND NEW.rd_unit_id!='' AND (SELECT id FROM unit WHERE id = NEW.rd_unit_id) IS NULL; END;

CREATE TRIGGER fkdc_unitvalue_unit_rd_unit_id_id BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN DELETE FROM unitvalue WHERE unitvalue.rd_unit_id = OLD.id; END;

CREATE TRIGGER fkd_vm_budget_tmp_category_rc_category_id_id BEFORE DELETE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible d’ajouter un objet (category est utilisé par category)') 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_vm_budget_tmp_category_rc_category_id_id BEFORE UPDATE ON category FOR EACH ROW BEGIN SELECT RAISE(ABORT, 'Impossible de modifier un objet (category est utilisé par category)') WHERE NEW.rc_category_id!=0 AND NEW.rc_category_id!='' AND (SELECT id FROM category WHERE id = NEW.rc_category_id) IS NULL; END;

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

CREATE TRIGGER fkioperation_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 fkuoperation_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 fkdcoperation_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 fkioperation_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 fkuoperation_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;
EACH ROW BEGIN     SELECT RAISE(ABORT, 'Impossible de dtruire un objet (category est utilis par vm_budget_tmp)
Nom de la contrainte: fkd_vm_budget_tmp_category_rc_category_id_id')     WHERE (SELECT rc_category_id
FROM vm_budget_tmp WHERE rc_category_id = OLD.id) IS NOT NULL; END;
CREATE TRIGGER fkd_category_vm_category_display_tmp_id_rd_category_id BEFORE DELETE ON
category FOR EACH ROW BEGIN     DELETE FROM vm_category_display_tmp WHERE
vm_category_display_tmp.rd_category_id = OLD.id; END;
CREATE VIEW v_unit_displayname AS SELECT *, (SELECT t_name||' ('||t_symbol||')' AS t_displayname FROM unit;
CREATE VIEW v_unit_tmp1 AS SELECT *,(SELECT count(*) FROM unitvalue s WHERE s.rd_unit_id=unit.id) AS i_NBVALUES, (CASE WHEN unit.rd_unit_id=0 THEN "" ELSE (SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=unit.rd_unit_id) END) AS t_UNIT,(CASE
unit.t_type WHEN '1' THEN 'Monnaie principale' WHEN '2' THEN 'Monnaie secondaire' WHEN 'C' THEN
'Monnaie' WHEN 'S' THEN 'Action' WHEN 'T' THEN 'Indice' ELSE 'Objet' END) AS t_TYPENLS,
(SELECT MIN(s.d_date) FROM  unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MINDATE,
(SELECT MAX(s.d_date) FROM  unitvalue s WHERE s.rd_unit_id=unit.id) AS d_MAXDATE,
(SELECT (CASE WHEN s.t_symbol!='' THEN s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=unit.rd_unit_id) AS t_SYMBOL, (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 *,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_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 *, STRFTIME('%d/%m/%Y',d_date)|| " "||t_PAYEE||" "||v_operation.f_CURRENTAMOUNT||" "||(SELECT (CASE WHEN s.t_symbol!='' THEN
s.t_symbol ELSE s.t_name END) FROM unit s WHERE s.id=v_operation.rc_unit_id) AS t_displayname FROM
v_operation;
CREATE VIEW v_operation_delete AS SELECT *, (CASE WHEN t_status='Y' THEN 'Vous n’êtes pas autorisé à supprimer cette opération car en tâche rapprochée' END) t_delete_message FROM v_operation;
CREATE VIEW v_account AS SELECT *, (SELECT MAX(s.d_date) FROM interest s WHERE s.rd_account_id=account.id) AS d_MAXDATE, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_operation s WHERE s.rd_account_id=account.id AND s.t_template='N') AS f_CURRENTAMOUNT FROM account;
CREATE VIEW v_account_delete AS SELECT *, (CASE WHEN EXISTS(SELECT 1 FROM operation WHERE rd_account_id=account.id AND d_date<>'0000-00-00' AND t_template='N' AND t_status='Y') THEN 'Vous n’êtes pas autorisé à supprimer ce compte car il contient des opérations rapprochées' END) t_delete_message FROM account;
CREATE VIEW v_bank_displayname AS SELECT *, t_name AS t_displayname FROM bank;
CREATE VIEW v_account_displayname AS SELECT *, (SELECT t_displayname FROM v_bank_displayname WHERE account.rd_bank_id=v_bank_displayname.id)||'-'||t_name AS t_displayname FROM account;
CREATE VIEW v_bank AS SELECT *, (SELECT TOTAL(s.f_CURRENTAMOUNT) FROM v_account s WHERE s.rd_bank_id=bank.id) AS f_CURRENTAMOUNT FROM bank;
CREATE VIEW v_category_displayname AS SELECT *, t_fullname AS t_displayname FROM category;
CREATE VIEW v_category AS SELECT * FROM category;
CREATE VIEW v_recurrentoperation AS SELECT *,i_period_increment||' '||(CASE t_period_unit WHEN 'Y' THEN ‘année(s)’ WHEN ‘M’ THEN ‘mois’ WHEN ‘W’ THEN ‘semaine(s)’ ELSE ‘jour(s)’ END) AS t_PERIODNLS FROM recurrentoperation;
CREATE VIEW v_recurrentoperation_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' '||SUBSTR((SELECT t_displayname FROM v_operation_displayname WHERE v_operation_displayname.id=v_recurrentoperation.rd_operation_id), 11) AS t_displayname FROM v_recurrentoperation;
CREATE VIEW v_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-%m-%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_QUANTITY>=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_INCOME,
(CASE WHEN v_operation.f_QUANTITY<=0 THEN v_operation.f_CURRENTAMOUNT ELSE 0 END) AS f_CURRENTAMOUNT_EXPENSE FROM v_operation;
CREATE VIEW v_operation_template_display AS SELECT * FROM v_operation_display_all WHERE t_template='Y';
CREATE VIEW v_operation_display AS SELECT * FROM v_operation_display_all WHERE d_date!='0000-00-00' AND t_template='N';
CREATE VIEW v_unit_display AS SELECT *,(SELECT TOTAL(o.f_QUANTITY) FROM v_operation_display o WHERE o.rc_unit_id=v_unit.id) AS f_QUANTITYOWNED FROM v_unit;
CREATE VIEW v_operation_consolidated AS SELECT (SELECT s.t_TYPENLS FROM v_account_display s WHERE s.id=op.rd_account_id) AS t_ACCOUNTTYPE,(SELECT u.t_TYPENLS FROM v_unit u WHERE u.id=op.rc_unit_id) AS t_UNITTYPE,sop.id AS i_SUBOPID, sop.r_refund_id AS r_refund_id, (CASE WHEN sop.t_comment='' THEN op.t_comment ELSE sop.t_comment END) AS t_REALCOMMENT, sop.t_CATEGORY AS t_REALCATEGORY, sop.t_REFUND AS t_REALREFUND, sop.r_category_id AS i_IDCATEGORY, (CASE WHEN sop.f_value<0 THEN '-' WHEN sop.f_value=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE, (CASE WHEN sop.f_value<0 THEN 'Dpense' WHEN sop.f_value=0 THEN '' ELSE 'Revenu' END) AS t_TYPEEXPENSENLS, sop.f_value AS f_REALQUANTITY, sop.f_VALUE_INCOME AS f_REALQUANTITY_INCOME, sop.f_VALUE_EXPENSE AS f_REALQUANTITY_EXPENSE, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_value) AS f_REALCURRENTAMOUNT, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_INCOME) AS f_REALCURRENTAMOUNT_INCOME, ((SELECT u.f_CURRENTAMOUNT FROM v_unit u WHERE u.id=op.rc_unit_id)*sop.f_VALUE_EXPENSE) AS f_REALCURRENTAMOUNT_EXPENSE, op.* FROM v_operation_display_all AS op, v_suboperation_display AS sop WHERE op.t_template='N' AND sop.rd_operation_id=op.ID;
CREATE VIEW v_operation_prop AS SELECT p.id AS i_PROPPID, p.t_name AS i_PROPPNAME, p.t_value AS i_PROPVALUE, op.* FROM v_operation_consolidated AS op LEFT OUTER JOIN parameters AS p ON

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CREATE VIEW v_refund AS SELECT *, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE o.r_refund_id=refund.id) AS f_CURRENTAMOUNT FROM refund;
CREATE VIEW v_refund_display AS SELECT *, (SELECT MIN(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=v_refund.id) AS d_FIRSTDATE, (SELECT MAX(o.d_date) FROM v_operation_consolidated o WHERE o.r_refund_id=v_refund.id) AS d_LASTDATE FROM refund;
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 v_category_display_tmp.t_fullname||' %') AS f_SUMCURRENTAMOUNT, i_NBOPERATIONS+(SELECT CAST(TOTAL(c.i_NBOPERATIONS) AS INTEGER) FROM vm_category_display_tmp c WHERE c.t_fullname like v_category_display_tmp.t_fullname||' %') AS i_SUMNBOPERATIONS, (CASE WHEN t_bookmarked='Y' THEN 'Y' WHEN EXISTS(SELECT 1 FROM category c WHERE c.t_bookmarked='Y' AND c.t_fullname like v_category_display_tmp.t_fullname||' %') THEN 'C' ELSE 'N' END) AS t_HASBOOKMARKEDCHILD, (CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN '-' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT=0 THEN '' ELSE '+' END) AS t_TYPEEXPENSE,(CASE WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT<0 THEN 'Dépense' WHEN vm_category_display_tmp.f_REALCURRENTAMOUNT>0 THEN 'Revenu' END) AS t_TYPEEXPENSENLS FROM vm_category_display_tmp;
CREATE VIEW v_recurrentoperation_display AS SELECT rop.*, op.t_ACCOUNT, op.i_number, op.t_mode, op.i_group_id, op.T_TRANSFER, op.t_PAYEE, op.t_COMMENT, op.t_CATEGORY, op.t_status, op.f_CURRENTAMOUNT FROM v_recurrentoperation rop, v_operation_display_all AS op WHERE rop.rd_operation_id=op.ID;
CREATE VIEW v_rule AS SELECT *,(SELECT COUNT(1) FROM rule r WHERE r.f_sortorder<=rule.f_sortorder) AS i_ORDER FROM rule;
CREATE VIEW v_rule_displayname AS SELECT *, t_definition AS t_displayname FROM rule;
CREATE VIEW v_interest AS SELECT *,(SELECT s.t_name FROM account s WHERE s.id=interest.rd_account_id) AS t_ACCOUNT  FROM interest;
CREATE VIEW v_interest_displayname AS SELECT *, STRFTIME('%d/%m/%Y',d_date)||' %' AS

p.t_uuid_parent=op.id[operation];
CREATE VIEW v_budgetrule AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budgetrule.rc_category_id),") 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_CATEGORY AS t_displayname FROM v_budgetrule;

CREATE VIEW v_budget_tmp AS SELECT *, IFNULL((SELECT s.t_fullname FROM category s WHERE s.id=budget.rc_category_id),") AS t_CATEGORY, (i_year||(CASE WHEN i_month=0 THEN '' WHEN i_month<10 THEN '-0'||i_month ELSE '-'||i_month END)) AS t_PERIOD, (SELECT TOTAL(o.f_REALCURRENTAMOUNT) FROM v_operation_consolidated o WHERE STRFTIME('%Y', o.d_date)=i_year AND (i_month=0 OR STRFTIME('%m', o.d_date)=i_month) AND o.i_IDCATEGORY IN (SELECT b2.id_category FROM budgetcategory b2 WHERE b2.id=budget.id)) AS f_CURRENTAMOUNT, (SELECT GROUP_CONCAT(v_budgetrule_displayname.t_displayname,',') FROM v_budgetrule_displayname WHERE (v_budgetrule_displayname.t_year_condition='N' OR budget.i_year=v_budgetrule_displayname.i_year) AND (v_budgetrule_displayname.t_month_condition='N' OR budget.i_month=v_budgetrule_displayname.i_month) AND (v_budgetrule_displayname.t_category_condition='N' OR budget.rc_category_id=v_budgetrule_displayname.rc_category_id) ORDER BY v_budgetrule_displayname.t_absolute DESC, v_budgetrule_displayname.id) AS t_RULES FROM budget;

CREATE VIEW v_budget AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM v_budget_tmp;
CREATE VIEW v_budget_display AS SELECT *, (f_CURRENTAMOUNT-f_budgeted_modified) AS f_DELTABEFORETRANSFER, (f_CURRENTAMOUNT-f_budgeted_modified-f_transferred) AS f_DELTA FROM vm_budget_tmp;
CREATE VIEW v_budget_displayname AS SELECT *, t_CATEGORY||' '||t_PERIOD||' '||f_budgeted_modified AS t_displayname FROM v_budget;

CREATE TRIGGER fkdc_bank_parameters_uuid BEFORE DELETE ON bank FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'bank'; END;
CREATE TRIGGER fkdc_account_parameters_uuid BEFORE DELETE ON account FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'account'; END;
CREATE TRIGGER fkdc_unit_parameters_uuid BEFORE DELETE ON unit FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unit'; END;
CREATE TRIGGER fkdc_unitvalue_parameters_uuid BEFORE DELETE ON unitvalue FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'unitvalue'; END;
CREATE TRIGGER fkdc_category_parameters_uuid BEFORE DELETE ON category FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'category'; END;
CREATE TRIGGER fkdc_operation_parameters_uuid BEFORE DELETE ON operation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'operation'; END;
CREATE TRIGGER fkdc_interest_parameters_uuid BEFORE DELETE ON interest FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'interest'; END;
CREATE TRIGGER fkdc_suboperation_parameters_uuid BEFORE DELETE ON suboperation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'suboperation'; END;
CREATE TRIGGER fkdc_refund_parameters_uuid BEFORE DELETE ON refund FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'refund'; END;

CREATE TRIGGER fkdc_payee_parameters_uuid BEFORE DELETE ON payee FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'payee'; END;

CREATE TRIGGER fkdc_recurrentoperation_parameters_uuid BEFORE DELETE ON recurrentoperation FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'recurrentoperation'; END;

CREATE TRIGGER fkdc_rule_parameters_uuid BEFORE DELETE ON rule FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'rule'; END;

CREATE TRIGGER fkdc_budget_parameters_uuid BEFORE DELETE ON budget FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budget'; END;

CREATE TRIGGER fkdc_budgetrule_parameters_uuid BEFORE DELETE ON budgetrule FOR EACH ROW BEGIN
DELETE FROM parameters WHERE parameters.t_uuid_parent=OLD.id||'-'||'budgetrule'; END;

CREATE TRIGGER cpt_categoryfullname1 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_categoryfullname2 AFTER UPDATE OF t_name, rd_category_id ON category BEGIN
UPDATE category SET t_fullname=CASE WHEN rd_category_id IS NULL OR rd_category_id='' OR rd_category_id=0 THEN new.t_name ELSE (SELECT c.t_fullname FROM category c WHERE c.id=new.rd_category_id)||' > '||new.t_name END WHERE id=new.id;END;

EXPLAIN
SELECT TOTAL(f_CURRENTAMOUNT), d_DATEMONTH
from v_operation_display
WHERE d_DATEMONTH IN ('2012-05', '2012-04')
group by d_DATEMONTH, t_TYPEEXPENSE;

{/.* Goto .*/}

# The next test requires FTS4
ifcapable !fts3 {
    finish_test
    return
}

# Taken from the gnome-shell project
#
db close
forcedelete test.db
sqlite3 db test.db
do_test fuzz-oss1-gnomeshell {
    db eval {
      CREATE TABLE Resource (ID INTEGER NOT NULL PRIMARY KEY, Uri TEXT NOT NULL, UNIQUE (Uri));
      CREATE VIRTUAL TABLE fts USING fts4;
    }
}
CREATE TABLE "mfo:Action" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mfo:Enclosure" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:remoteLink" INTEGER, "mfo:remoteLink:graph" INTEGER,
"mfo:groupDefault" INTEGER, "mfo:groupDefault:graph" INTEGER,
"mfo:localLink" INTEGER, "mfo:localLink:graph" INTEGER, "mfo:optional"
INTEGER, "mfo:optional:graph" INTEGER);
CREATE TABLE "mfo:FeedChannel" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:updatedAt" INTEGER, "mfo:updatedAt:graph" INTEGER,
"mfo:updatedAt:localDate" INTEGER, "mfo:updatedAt:localTime"
INTEGER, "mfo:unreadCount" INTEGER, "mfo:unreadCount:graph" INTEGER,
"mfo:totalCount" INTEGER, "mfo:totalCount:graph" INTEGER, "mfo:action"
INTEGER, "mfo:action:graph" INTEGER, "mfo:type" INTEGER,
"mfo:type:graph" INTEGER);
CREATE TABLE "mfo:FeedElement" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:image" TEXT COLLATE NOCASE, "mfo:image:graph" INTEGER,
"mfo:feedSettings" INTEGER, "mfo:feedSettings:graph" INTEGER);
CREATE TABLE "mfo:FeedMessage" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:downloadedTime" INTEGER, "mfo:downloadedTime:graph" INTEGER,
"mfo:downloadedTime:localDate" INTEGER, "mfo:downloadedTime:localTime"
INTEGER);
CREATE TABLE "mfo:FeedMessage_mfo:enclosureList" (ID INTEGER NOT NULL,
"mfo:enclosureList" INTEGER NOT NULL, "mfo:enclosureList:graph"
INTEGER);
CREATE TABLE "mfo:FeedSettings" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:updateInterval" INTEGER, "mfo:updateInterval:graph" INTEGER,
"mfo:expiryInterval" INTEGER, "mfo:expiryInterval:graph" INTEGER,
"mfo:downloadPath" TEXT COLLATE NOCASE, "mfo:downloadPath:graph"
INTEGER, "mfo:downloadFlag" INTEGER, "mfo:downloadFlag:graph" INTEGER,
"mfo:maxSize" INTEGER, "mfo:maxSize:graph" INTEGER);
CREATE TABLE "mfo:FeedType" (ID INTEGER NOT NULL PRIMARY KEY,
"mfo:name" TEXT COLLATE NOCASE, "mfo:name:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbNorthWest" (ID INTEGER NOT NULL,
"mlo:bbNorthWest" INTEGER NOT NULL, "mlo:bbNorthWest:graph" INTEGER);
CREATE TABLE "mlo:GeoBoundingBox_mlo:bbSouthEast" (ID INTEGER NOT NULL,
"mlo:bbSouthEast" INTEGER NOT NULL, "mlo:bbSouthEast:graph"
INTEGER);
CREATE TABLE "mlo:GeoLocation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoLocation_mlo:asBoundingBox" (ID INTEGER NOT NULL,
"mlo:asBoundingBox" INTEGER NOT NULL, "mlo:asBoundingBox:graph"
INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asGeoPoint" (ID INTEGER NOT NULL,
"mlo:asGeoPoint" INTEGER NOT NULL, "mlo:asGeoPoint:graph" INTEGER);
CREATE TABLE "mlo:GeoLocation_mlo:asPostalAddress" (ID INTEGER NOT NULL,
"mlo:asPostalAddress" INTEGER NOT NULL, "mlo:asPostalAddress:graph"
INTEGER);
CREATE TABLE "mlo:GeoPoint" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "mlo:GeoPoint_mlo:address" (ID INTEGER NOT NULL, "mlo:address" TEXT NOT NULL, "mlo:address:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:altitude" (ID INTEGER NOT NULL, "mlo:altitude" REAL NOT NULL, "mlo:altitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:city" (ID INTEGER NOT NULL, "mlo:city" TEXT NOT NULL, "mlo:city:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:country" (ID INTEGER NOT NULL, "mlo:country" TEXT NOT NULL, "mlo:country:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:latitude" (ID INTEGER NOT NULL, "mlo:latitude" REAL NOT NULL, "mlo:latitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:longitude" (ID INTEGER NOT NULL, "mlo:longitude" REAL NOT NULL, "mlo:longitude:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:state" (ID INTEGER NOT NULL, "mlo:state" TEXT NOT NULL, "mlo:state:graph" INTEGER);
CREATE TABLE "mlo:GeoPoint_mlo:timestamp" (ID INTEGER NOT NULL, "mlo:timestamp" INTEGER NOT NULL, "mlo:timestamp: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);
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, "nao:Tag_tracker:isDefaultTag:graph" INTEGER);
"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:Alarm_action" (ID INTEGER NOT NULL, "ncal:action" INTEGER NOT NULL, "ncal:action:graph" INTEGER);
CREATE TABLE "ncal:Attachment" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:attachmentUri" INTEGER, "ncal:attachmentUri:graph" INTEGER, "ncal:fmttype" TEXT COLLATE NOCASE, "ncal:fmttype:graph" INTEGER, "ncal:encoding" INTEGER, "ncal:encoding:graph" INTEGER, "ncal:attachmentContent" TEXT COLLATE NOCASE, "ncal:attachmentContent:graph" INTEGER);
CREATE TABLE "ncal:AttachmentEncoding" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:AttendeeOrOrganizer" (ID INTEGER NOT NULL PRIMARY KEY, "ncal:dir" INTEGER, "ncal:dir:graph" INTEGER, "ncal:involvedContact" INTEGER, "ncal:involvedContact:graph" INTEGER, "ncal:involvedBy" INTEGER, "ncal:involvedBy: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: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,
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:Journal" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:journalStatus" INTEGER, "ncal:journalStatus:graph" INTEGER);
CREATE TABLE "ncal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:NcalDateTime" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:ncalTimezone" INTEGER, "ncal:ncalTimezone:graph" INTEGER,
"ncal:date" INTEGER, "ncal:date:graph" INTEGER, "ncal:date:localDate"
INTEGER, "ncal:date:localTime" INTEGER, "ncal:dateTime" INTEGER,
"ncal:dateTime:graph" INTEGER, "ncal:dateTime:localDate" INTEGER,
"ncal:dateTime:localTime" INTEGER);
CREATE TABLE "ncal:NcalPeriod" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:periodBegin" INTEGER, "ncal:periodBegin:graph" INTEGER,
"ncal:periodBegin:localDate" INTEGER, "ncal:periodBegin:localTime"
INTEGER, "ncal:periodDuration" INTEGER, "ncal:periodDuration:graph"
INTEGER, "ncal:periodEnd" INTEGER, "ncal:periodEnd:graph" INTEGER,
"ncal:periodEnd:localDate" INTEGER, "ncal:periodEnd:localTime"
INTEGER);
CREATE TABLE "ncal:NcalTimeEntity" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:Organizer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:ParticipationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceFrequency" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceIdentifier" (ID INTEGER NOT NULL PRIMARY
KEY, "ncal:range" INTEGER, "ncal:range:graph" INTEGER,
"ncal:recurrenceIdDateTime" INTEGER, "ncal:recurrenceIdDateTime:graph"
INTEGER);
CREATE TABLE "ncal:RecurrenceIdentifierRange" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "ncal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY,
"ncal:until" INTEGER, "ncal:until:graph" INTEGER,
"ncal:until:localDate" INTEGER, "ncal:until:localTime" INTEGER,
"ncal:wkst" INTEGER, "ncal:wkst:graph" INTEGER, "ncal:interval"
INTEGER, "ncal:interval:graph" INTEGER, "ncal:count" INTEGER,
"ncal:count:graph" INTEGER, "ncal:freq" INTEGER, "ncal:freq:graph"
INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byday" (ID INTEGER NOT NULL,
"ncal:byday" INTEGER NOT NULL, "ncal:byday:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byhour" (ID INTEGER NOT NULL,
"ncal:byhour" INTEGER NOT NULL, "ncal:byhour:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonth" (ID INTEGER NOT NULL,
"ncal:bymonth" INTEGER NOT NULL, "ncal:bymonth:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:byminute" (ID INTEGER NOT NULL,
"ncal:byminute" INTEGER NOT NULL, "ncal:byminute:graph" INTEGER);
CREATE TABLE "ncal:RecurrenceRule_ncal:bymonth" (ID INTEGER NOT NULL,
"ncal:created" INTEGER, "ncal:created:graph" INTEGER,
"ncal:created:localDate" INTEGER, "ncal:created:localTime" INTEGER,
"ncal:url" INTEGER, "ncal:url:graph" INTEGER, "ncal:comment" TEXT
COLLATE NOCASE, "ncal:comment:graph" INTEGER, "ncal:summaryAltRep"
INTEGER, "ncal:summaryAltRep:graph" INTEGER, "ncal:priority" INTEGER,
"ncal:priority:graph" INTEGER, "ncal:location" TEXT COLLATE NOCASE,
"ncal:location:graph" INTEGER, "ncal:uid" TEXT COLLATE NOCASE,
"ncal:uid:graph" INTEGER, "ncal:requestStatus" INTEGER,
"ncal:requestStatus:graph" INTEGER, "ncal:recurrenceId" INTEGER,
"ncal:recurrenceId:graph" INTEGER, "ncal:dtstamp" INTEGER,
"ncal:dtstamp:graph" INTEGER, "ncal:dtstamp:localDate" INTEGER,
"ncal:dtstamp:localTime" INTEGER, "ncal:class" INTEGER,
"ncal:class:graph" INTEGER, "ncal:organizer" INTEGER,
"ncal:organizer:graph" INTEGER, "ncal:dtend" INTEGER,
"ncal:dtend:graph" INTEGER, "ncal:summary" TEXT COLLATE NOCASE,
"ncal:summary:graph" INTEGER, "ncal:descriptionAltRep" INTEGER,
"ncal:descriptionAltRep:graph" INTEGER, "ncal:commentAltRep" INTEGER,
"ncal:commentAltRep:graph" INTEGER, "ncal:sequence" INTEGER,
"ncal:sequence:graph" INTEGER, "ncal:contact" TEXT COLLATE NOCASE,
"ncal:contact:graph" INTEGER, "ncal:contactAltRep" INTEGER,
"ncal:contactAltRep:graph" INTEGER, "ncal:locationAltRep" INTEGER,
"ncal:locationAltRep:graph" INTEGER, "ncal:geo" INTEGER,
"ncal:geo:graph" INTEGER, "ncal:resourcesAltRep" INTEGER,
"ncal:resourcesAltRep:graph" INTEGER, "ncal:dtstart" INTEGER,
"ncal:dtstart:graph" INTEGER, "ncal:description" TEXT COLLATE NOCASE,
"ncal:description:graph" INTEGER, "ncal:relatedToSibling" TEXT COLLATE
NOCASE, "ncal:relatedToSibling:graph" INTEGER, "ncal:duration"
INTEGER, "ncal:duration:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attach" (ID INTEGER NOT NULL,
"ncal:attach" INTEGER NOT NULL, "ncal:attach:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:attendee" (ID INTEGER NOT
NULL, "ncal:attendee" INTEGER NOT NULL, "ncal:attendee:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:categories" (ID INTEGER NOT
NULL, "ncal:categories" TEXT NOT NULL, "ncal:categories:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exdate" (ID INTEGER NOT NULL,
"ncal:exdate" INTEGER NOT NULL, "ncal:exdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:exrule" (ID INTEGER NOT NULL,
"ncal:exrule" INTEGER NOT NULL, "ncal:exrule:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:hasAlarm" (ID INTEGER NOT
NULL, "ncal:hasAlarm" INTEGER NOT NULL, "ncal:hasAlarm:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:ncalRelation" (ID INTEGER NOT
NULL, "ncal:ncalRelation" TEXT NOT NULL, "ncal:ncalRelation:graph"
INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rdate" (ID INTEGER NOT NULL,
"ncal:rdate" INTEGER NOT NULL, "ncal:rdate:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToChild" (ID INTEGER NOT NULL, "ncal:relatedToChild" TEXT NOT NULL, "ncal:relatedToChild:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:relatedToParent" (ID INTEGER NOT NULL, "ncal:relatedToParent" TEXT NOT NULL, "ncal:relatedToParent:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:resources" (ID INTEGER NOT NULL, "ncal:resources" TEXT NOT NULL, "ncal:resources:graph" INTEGER);
CREATE TABLE "ncal:UnionParentClass_ncal:rrule" (ID INTEGER NOT NULL, "ncal:rrule" INTEGER NOT NULL, "ncal:rrule:graph" INTEGER);
CREATE TABLE "ncal:Weekday" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Affiliation" (ID INTEGER NOT NULL PRIMARY KEY, "nco:department" TEXT COLLATE NOCASE, "nco:department:graph" INTEGER, "nco:org" INTEGER, "nco:org:graph" INTEGER, "nco:role" TEXT COLLATE NOCASE, "nco:role:graph" INTEGER);
CREATE TABLE "nco:Affiliation_nco:title" (ID INTEGER NOT NULL, "nco:title" TEXT NOT NULL, "nco:title:graph" INTEGER);
CREATE TABLE "nco:AuthorizationStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:BbsNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:CellPhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactGroup" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactGroupName" TEXT COLLATE NOCASE, "nco:contactGroupName:graph" INTEGER);
CREATE TABLE "nco:ContactList" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ContactListDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Contact_list_nco:containsContact" (ID INTEGER NOT NULL, "nco:containsContact" INTEGER NOT NULL, "nco:containsContact:graph" INTEGER);
CREATE TABLE "nco:ContactMedium" (ID INTEGER NOT NULL PRIMARY KEY, "nco:contactMediumComment" TEXT COLLATE NOCASE, "nco:contactMediumComment:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:anniversary" (ID INTEGER NOT NULL, "ncal:anniversary" INTEGER NOT NULL, "ncal:anniversary:graph" INTEGER);
CREATE TABLE "nco:Contact_ncal:birthday" (ID INTEGER NOT NULL, "ncal:relatedToParent" TEXT NOT NULL, "ncal:relatedToParent:graph" INTEGER);
"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_nco:hasIMContact" (ID INTEGER NOT NULL,"nco:hasIMContact" INTEGER NOT NULL,"nco:hasIMContact:graph" INTEGER);
CREATE TABLE "nco:IMAddress_nco:imCapability" (ID INTEGER NOT NULL,"nco:imCapability" INTEGER NOT NULL,"nco:imCapability:graph" INTEGER);
CREATE TABLE "nco:IMCapability" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:InternationalDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:IsdnNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:MessagingNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ModemNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:OrganizationContact" (ID INTEGER NOT NULL PRIMARY KEY, "nco:logo" INTEGER, "nco:logo:graph" INTEGER);
CREATE TABLE "nco:PagerNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:ParcelDeliveryAddress" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PCSNumber" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:PersonContact_nco:hasAffiliation" (ID INTEGER NOT NULL, "nco:hasAffiliation" INTEGER NOT NULL, "nco:hasAffiliation:graph" INTEGER);
CREATE TABLE "nco:PhoneNumber" (ID INTEGER NOT NULL PRIMARY KEY, "nco:phoneNumber" TEXT COLLATE NOCASE, "nco:phoneNumber:graph" INTEGER);
CREATE TABLE "nco:PresenceStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nco:Role" (ID INTEGER NOT NULL PRIMARY KEY, "nco:video" INTEGER, "nco:video:graph" INTEGER);
CREATE TABLE "nco:Role_nco:blogUrl" (ID INTEGER NOT NULL, "nco:blogUrl" INTEGER NOT NULL, "nco:blogUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:foafUrl" (ID INTEGER NOT NULL, "nco:foafUrl" INTEGER NOT NULL, "nco:foafUrl:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasContactMedium" (ID INTEGER NOT NULL, "nco:hasContactMedium" INTEGER NOT NULL, "nco:hasContactMedium:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasEmailAddress" (ID INTEGER NOT NULL, "nco:hasEmailAddress" INTEGER NOT NULL, "nco:hasEmailAddress:graph" INTEGER);
CREATE TABLE "nco:Role_nco:hasIMAddress" (ID INTEGER NOT NULL, "nco:hasIMAddress" INTEGER NOT NULL, "nco:hasIMAddress:graph" INTEGER);
CREATE TABLE "nco: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:BookmarkFolder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmark" (ID INTEGER NOT NULL, "nfo:containsBookmark" INTEGER NOT NULL, "nfo:containsBookmark:graph" INTEGER);
CREATE TABLE "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID INTEGER NOT NULL, "nfo:containsBookmarkFolder" INTEGER NOT NULL, "nfo:containsBookmarkFolder:graph" INTEGER);
CREATE TABLE "nfo:CompressionType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Cursor" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DataContainer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:DeletedResource" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:originalLocation" TEXT COLLATE NOCASE,
  "nfo:originalLocation:graph" INTEGER, "nfo:deletionDate" INTEGER,
  "nfo:deletionDate:graph" INTEGER, "nfo:deletionDate:localDate" INTEGER,
  "nfo:deletionDate:localTime" INTEGER);
CREATE TABLE "nfo:Document" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:tableOfContents" TEXT COLLATE NOCASE,
  "nfo:tableOfContents:graph" INTEGER);
CREATE TABLE "nfo:EmbeddedFileDataObject" (ID INTEGER NOT NULL PRIMARY
  KEY, "nfo:encoding" TEXT COLLATE NOCASE, "nfo:encoding:graph" INTEGER);
CREATE TABLE "nfo:Equipment" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:manufacturer" TEXT COLLATE NOCASE, "nfo:manufacturer:graph" INTEGER,
  "nfo:model" TEXT COLLATE NOCASE, "nfo:model:graph" INTEGER,
  "nfo:equipmentSoftware" TEXT COLLATE NOCASE, "nfo:equipmentSoftware:graph" INTEGER);
CREATE TABLE "nfo:Executable" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FileDataObject" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:fileLastAccessed" INTEGER, "nfo:fileLastAccessed:graph" INTEGER,
  "nfo:fileLastAccessed:localDate" INTEGER, "nfo:fileLastAccessed:localTime" INTEGER,
  "nfo:fileCreated" INTEGER, "nfo:fileCreated:graph" INTEGER, "nfo:fileCreated:localDate" INTEGER,
  "nfo:fileCreated:localTime" INTEGER, "nfo:fileSize" INTEGER,
  "nfo:fileSize:graph" INTEGER, "nfo:permissions" TEXT COLLATE NOCASE,
  "nfo:permissions:graph" INTEGER, "nfo:fileName" TEXT COLLATE NOCASE,
  "nfo:fileName:graph" INTEGER, "nfo:hasHash" INTEGER,
  "nfo:hasHash:graph" INTEGER, "nfo:fileOwner" INTEGER,
  "nfo:fileOwner:graph" INTEGER, "nfo:fileLastModified" INTEGER,
  "nfo:fileLastModified:graph" INTEGER, "nfo:fileLastModified:localDate" INTEGER,
  "nfo:fileLastModified:localTime" INTEGER);
CREATE TABLE "nfo:FileHash" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:hashValue" TEXT COLLATE NOCASE, "nfo:hashValue:graph" INTEGER,
  "nfo:hashAlgorithm" TEXT COLLATE NOCASE, "nfo:hashAlgorithm:graph" INTEGER);
CREATE TABLE "nfo:Filesystem" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:FilesystemImage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Folder" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nfo:Font" (ID INTEGER NOT NULL PRIMARY KEY,
  "nfo:fontFamily" TEXT COLLATE NOCASE, "nfo:fontFamily:graph" INTEGER,
  "nfo:foundry" INTEGER, "nfo:foundry:graph" INTEGER);
CREATE TABLE "nfo:Image" (ID INTEGER NOT NULL PRIMARY KEY,
CREATE TABLE "nfo:Image_nfo:depicts" (ID INTEGER NOT NULL, "nfo:depicts" INTEGER NOT NULL, "nfo:depicts:graph" INTEGER);
CREATE TABLE "nfo:Image_nfo:hasRegionOfInterest" (ID INTEGER NOT NULL, "nfo:hasRegionOfInterest" INTEGER NOT NULL, "nfo:hasRegionOfInterest:graph" INTEGER);
CREATE TABLE "nfo:MediaFileListEntry" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:listPosition" REAL, "nfo:listPosition:graph" INTEGER, "nfo:entryUrl" TEXT COLLATE NOCASE, "nfo:entryUrl:graph" INTEGER);
CREATE TABLE "nfo:MediaList" (ID INTEGER NOT NULL PRIMARY KEY, "nfo:entryCounter" INTEGER, "nfo:entryCounter:graph" INTEGER, "nfo:listDuration" INTEGER, "nfo:listDuration:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:hasMediaFileListEntry" (ID INTEGER NOT NULL, "nfo:hasMediaFileListEntry" INTEGER NOT NULL, "nfo:hasMediaFileListEntry:graph" INTEGER);
CREATE TABLE "nfo:MediaList_nfo:mediaListEntry" (ID INTEGER NOT NULL, "nfo:mediaListEntry" INTEGER NOT NULL, "nfo:mediaListEntry:graph" INTEGER);
CREATE TABLE "nfo:MindMap" (ID INTEGER NOT NULL PRIMARY KEY);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Primary Key</th>
<th>Columns</th>
</tr>
</thead>
<tbody>
<tr>
<td>nie:InformationElement</td>
<td></td>
<td>&quot;nie:informationElementDate&quot; INTEGER NOT NULL, &quot;nie:informationElementDate:graph&quot; INTEGER,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;nie:informationElement:localDate&quot; INTEGER NOT NULL,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;nie:informationElement:localTime&quot; INTEGER NOT NULL);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nie:InformationElement_nie:isLogicalPartOf&quot; (ID INTEGER NOT NULL, &quot;nie:isLogicalPartOf&quot; INTEGER NOT NULL, &quot;nie:isLogicalPartOf:graph&quot; INTEGER);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nie:InformationElement_nie:keyword&quot; (ID INTEGER NOT NULL, &quot;nie:keyword&quot; TEXT NOT NULL, &quot;nie:keyword:graph&quot; INTEGER);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nie:InformationElement_nie:relatedTo&quot; (ID INTEGER NOT NULL, &quot;nie:relatedTo&quot; INTEGER NOT NULL, &quot;nie:relatedTo:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>nmm:AnalogRadio</td>
<td>ID INTEGER NOT NULL PRIMARY KEY, &quot;nmm:modulation&quot; INTEGER, &quot;nmm:modulation:graph&quot; INTEGER,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>&quot;nmm:frequency&quot; INTEGER, &quot;nmm:frequency:graph&quot; INTEGER);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nmm:Artist&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nmm:artistName&quot; TEXT COLLATE NOCASE, &quot;nmm:artistName:graph&quot; INTEGER);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nmm:Flash&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nmm:ImageList&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<td></td>
<td>CREATE TABLE &quot;nmm:MeteringMode&quot; (ID INTEGER NOT NULL PRIMARY KEY);</td>
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<td></td>
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<td>CREATE TABLE &quot;nmm:MusicAlbum&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nie:title&quot; TEXT COLLATE NOCASE, &quot;nie:title:graph&quot; INTEGER, &quot;nmm:albumTrackCount&quot; INTEGER, &quot;nmm:albumTrackCount:graph&quot; INTEGER);</td>
</tr>
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<td></td>
<td></td>
<td>CREATE TABLE &quot;nmm:MusicAlbumDisc&quot; (ID INTEGER NOT NULL PRIMARY KEY, &quot;nmm:albumDiscAlbum&quot; INTEGER, &quot;nmm:albumDiscAlbum:graph&quot; INTEGER, &quot;nmm:musicCDIdentifier&quot; TEXT COLLATE NOCASE, &quot;nmm:musicCDIdentifier:graph&quot; INTEGER);</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CREATE TABLE &quot;nmm:MusicAlbum_nmm:albumArtist&quot; (ID INTEGER NOT NULL, &quot;nmm:albumArtist&quot; INTEGER NOT NULL, &quot;nmm:albumArtist:graph&quot; INTEGER);</td>
</tr>
</tbody>
</table>
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_mtp:scantype" (ID INTEGER NOT NULL, "mtp:scantype" INTEGER NOT NULL, "mtp:scantype:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:director" (ID INTEGER NOT NULL, "nmm:director" INTEGER NOT NULL, "nmm:director:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:leadActor" (ID INTEGER NOT NULL, "nmm:leadActor" INTEGER NOT NULL, "nmm:leadActor:graph" INTEGER);
CREATE TABLE "nmm:Video_nmm:subtitle" (ID INTEGER NOT NULL, "nmm:subtitle" INTEGER NOT NULL, "nmm:subtitle:graph" INTEGER);
CREATE TABLE "nmm:WhiteBalance" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Attachment" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Call" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, "nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, "nmo:duration" INTEGER, "nmo:duration:graph" INTEGER);
CREATE TABLE "nmo:CommunicationChannel" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:lastMessageDate" INTEGER, "nmo:lastMessageDate:graph" INTEGER, "nmo:lastMessageDate:localDate" INTEGER, "nmo:lastMessageDate:localTime" INTEGER, "nmo:lastSuccessfulMessageDate" INTEGER, "nmo:lastSuccessfulMessageDate:graph" INTEGER, "nmo:lastSuccessfulMessageDate:localDate" INTEGER, "nmo:lastSuccessfulMessageDate:localTime" INTEGER);
CREATE TABLE "nmo:CommunicationChannel_nmo:hasParticipant" (ID INTEGER NOT NULL, "nmo:hasParticipant" INTEGER NOT NULL, "nmo:hasParticipant:graph" INTEGER);
CREATE TABLE "nmo:Conversation" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:DeliveryStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Email" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:hasContent" INTEGER, "nmo:hasContent:graph" INTEGER, "nmo:isFlagged" INTEGER, "nmo:isFlagged:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:isRecent:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:status:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER);
CREATE TABLE "nmo:Email_nmo:contentMimeType" (ID INTEGER NOT NULL, "nmo:contentMimeType" TEXT NOT NULL, "nmo:contentMimeType:graph" INTEGER);
CREATE TABLE "nmo:IMMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:MMSMessage" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:mmsHasContent" INTEGER, "nmo:mmsHasContent:graph" INTEGER);
CREATE TABLE "nmo:MailAccount" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:accountName" TEXT COLLATE NOCASE, "nmo:accountName:graph" INTEGER, "nmo:accountDisplayName" TEXT COLLATE NOCASE, "nmo:accountDisplayName:graph" INTEGER, "nmo:fromAddress" INTEGER, "nmo:fromAddress:graph" INTEGER, "nmo:signature" TEXT COLLATE NOCASE, "nmo:signature:graph" INTEGER);
CREATE TABLE "nmo:MailFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:folderName" TEXT COLLATE NOCASE, "nmo:folderName:graph" INTEGER, "nmo:serverCount" INTEGER, "nmo:serverCount:graph" INTEGER, "nmo:serverUnreadCount" INTEGER, "nmo:serverUnreadCount:graph" INTEGER);
CREATE TABLE "nmo:MailboxDataObject" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Message" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:sentDate" INTEGER, "nmo:sentDate:graph" INTEGER, "nmo:sentDate:localDate" INTEGER, "nmo:sentDate:localTime" INTEGER, "nmo:from" INTEGER, "nmo:from:graph" INTEGER, "nmo:isAnswered" INTEGER, "nmo:isAnswered:graph" INTEGER, "nmo:isDeleted" INTEGER, "nmo:isDeleted:graph" INTEGER, "nmo:isDraft" INTEGER, "nmo:isDraft:graph" INTEGER, "nmo:isRead" INTEGER, "nmo:isRead:graph" INTEGER, "nmo:isRecent" INTEGER, "nmo:isRecent:graph" INTEGER, "nmo:status" TEXT COLLATE NOCASE, "nmo:status:graph" INTEGER, "nmo:responseType" TEXT COLLATE NOCASE, "nmo:responseType:graph" INTEGER);
INTEGER, "nmo:isSent" INTEGER, "nmo:isSent:graph" INTEGER,
"nmo:isEmergency" INTEGER, "nmo:isEmergency:graph" INTEGER,
"nmo:htmlMessageContent" TEXT COLLATE NOCASE,
"nmo:htmlMessageContent:graph" INTEGER, "nmo:messageId" TEXT COLLATE NOCASE, "nmo:messageId:graph" INTEGER, "nmo:messageSubject" TEXT COLLATE NOCASE, "nmo:messageSubject:graph" INTEGER,
"nmo:receivedDate" INTEGER, "nmo:receivedDate:graph" INTEGER,
"nmo:receivedDate:localDate" INTEGER, "nmo:receivedDate:localTime" INTEGER, "nmo:replyTo" INTEGER, "nmo:replyTo:graph" INTEGER,
"nmo:sender" INTEGER, "nmo:sender:graph" INTEGER, "nmo:conversation" INTEGER, "nmo:conversation:graph" INTEGER, "nmo:communicationChannel" INTEGER, "nmo:communicationChannel:graph" INTEGER,
"nmo:deliveryStatus" INTEGER, "nmo:deliveryStatus:graph" INTEGER,
"nmo:reportDelivery" INTEGER, "nmo:reportDelivery:graph" INTEGER,
"nmo:sentWithReportRead" INTEGER, "nmo:sentWithReportRead:graph" INTEGER,
"nmo:mustAnswerReportRead" INTEGER, "nmo:mustAnswerReportRead:graph" INTEGER, "nmo:mmsId" TEXT COLLATE NOCASE, "nmo:mmsId:graph" INTEGER);
CREATE TABLE "nmo:MessageHeader" (ID INTEGER NOT NULL PRIMARY KEY,
"nmo:headerName" TEXT COLLATE NOCASE, "nmo:headerName:graph" INTEGER,
"nmo:headerValue" TEXT COLLATE NOCASE, "nmo:headerValue:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:bcc" (ID INTEGER NOT NULL, "nmo:bcc" INTEGER NOT NULL, "nmo:bcc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:cc" (ID INTEGER NOT NULL, "nmo:cc" INTEGER NOT NULL, "nmo:cc:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:hasAttachment" (ID INTEGER NOT NULL, "nmo:hasAttachment" INTEGER NOT NULL, "nmo:hasAttachment:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:inReplyTo" (ID INTEGER NOT NULL, "nmo:inReplyTo" INTEGER NOT NULL, "nmo:inReplyTo:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:messageHeader" (ID INTEGER NOT NULL, "nmo:messageHeader" INTEGER NOT NULL, "nmo:messageHeader:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:recipient" (ID INTEGER NOT NULL, "nmo:recipient" INTEGER NOT NULL, "nmo:recipient:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:references" (ID INTEGER NOT NULL, "nmo:references" INTEGER NOT NULL, "nmo:references:graph" INTEGER);
CREATE TABLE "nmo:Message_nmo:to" (ID INTEGER NOT NULL, "nmo:to" INTEGER NOT NULL, "nmo:to:graph" INTEGER);
CREATE TABLE "nmo:MimePart" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:charSet" TEXT COLLATE NOCASE, "nmo:charSet:graph" INTEGER, "nmo:contentId" TEXT COLLATE NOCASE, "nmo:contentId:graph" INTEGER, "nmo:contentTransferEncoding" TEXT COLLATE NOCASE, "nmo:contentTransferEncoding:graph" INTEGER, "nmo:contentDescription" TEXT COLLATE NOCASE, "nmo:contentDescription:graph" INTEGER, "nmo:contentDisposition" TEXT COLLATE NOCASE,
CREATE TABLE "nmo:MimePart_nmo:mimeHeader" (ID INTEGER NOT NULL, "nmo:mimeHeader" INTEGER NOT NULL, "nmo:mimeHeader:graph" INTEGER);
CREATE TABLE "nmo:Multipart" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:Multipart_nmo:partBoundary" (ID INTEGER NOT NULL, "nmo:partBoundary" TEXT NOT NULL, "nmo:partBoundary:graph" INTEGER);
CREATE TABLE "nmo:PermanentChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:PhoneMessageFolder" (ID INTEGER NOT NULL PRIMARY KEY, "nmo:phoneMessageFolderId" TEXT COLLATE NOCASE, "nmo:phoneMessageFolderId:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessage" (ID INTEGER NOT NULL, "nmo:containsPhoneMessage" INTEGER NOT NULL, "nmo:containsPhoneMessage:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessageFolder_nmo:containsPhoneMessageFolder" (ID INTEGER NOT NULL, "nmo:containsPhoneMessageFolder" INTEGER NOT NULL, "nmo:containsPhoneMessageFolder:graph" INTEGER);
CREATE TABLE "nmo:PhoneMessage_nmo:toVCard" (ID INTEGER NOT NULL, "nmo:toVCard" INTEGER NOT NULL, "nmo:toVCard:graph" INTEGER);
CREATE TABLE "nmo:ReportReadStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:SMSMessage" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:TransientChannel" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nmo:VOIPCall" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "nrl:InverseFunctionalProperty" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "osinfo:Installer" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "poi:ObjectOfInterest" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "rdf:Property_rdfs:subPropertyOf" (ID INTEGER NOT NULL, "rdfs:subPropertyOf" INTEGER NOT NULL, "rdfs:subPropertyOf:graph" INTEGER);
CREATE TABLE "rdfs:Class" (ID INTEGER NOT NULL PRIMARY KEY,
"tracker:notify" INTEGER, "tracker:notify:graph" INTEGER);  
CREATE TABLE "rdfs:Class_rdfs:subClassOf" (ID INTEGER NOT NULL,  
rdfs:subClassOf INTEGER NOT NULL, "rdfs:subClassOf:graph" INTEGER);  
CREATE TABLE "rdfs:Class_tracker:domainIndex" (ID INTEGER NOT NULL,  
"tracker:domainIndex" INTEGER NOT NULL, "tracker:domainIndex:graph" INTEGER);  
CREATE TABLE "rdfs:Literal" (ID INTEGER NOT NULL PRIMARY KEY);  
CREATE TABLE "rdfs:Resource" (ID INTEGER NOT NULL PRIMARY KEY,  
Available INTEGER NOT NULL, "rdfs:comment" TEXT COLLATE NOCASE,  
"rdfs:comment:graph" INTEGER, "rdfs:label" TEXT COLLATE NOCASE,  
"rdfs:label:graph", "tracker:added" INTEGER,  
"tracker:added:graph" INTEGER, "tracker:added:localDate" INTEGER,  
"tracker:added:localTime" INTEGER, "tracker:modified" INTEGER,  
"tracker:modified:graph" INTEGER, "tracker:damaged" INTEGER,  
"tracker:damaged:graph" INTEGER, "dc:title" TEXT COLLATE NOCASE,  
"dc:title:graph" INTEGER, "dc:creator" TEXT COLLATE NOCASE,  
"dc:creator:graph" INTEGER, "dc:subject" TEXT COLLATE NOCASE,  
"dc:subject:graph" INTEGER, "dc:description" TEXT COLLATE NOCASE,  
"dc:description:graph" INTEGER, "dc:publisher" TEXT COLLATE NOCASE,  
"dc:publisher:graph" INTEGER, "dc:type" TEXT COLLATE NOCASE,  
"dc:type:graph" INTEGER, "dc:format" TEXT COLLATE NOCASE,  
"dc:format:graph" INTEGER, "dc:identifier" TEXT COLLATE NOCASE,  
"dc:identifier:graph" INTEGER, "dc:language" TEXT COLLATE NOCASE,  
"dc:language:graph" INTEGER, "dc:coverage" TEXT COLLATE NOCASE,  
"dc:coverage:graph" INTEGER, "dc:rights" TEXT COLLATE NOCASE,  
"dc:rights:graph" INTEGER, "nao:identifier" TEXT COLLATE NOCASE,  
"nao:identifier:graph" INTEGER, "nao:numericRating" REAL,  
"nao:numericRating:graph" INTEGER, "nao:lastModified" INTEGER,  
"nao:lastModified:graph" INTEGER, "nao:lastModified:localDate" INTEGER,  
"nao:lastModified:localTime" INTEGER);  
CREATE TABLE "rdfs:Resource_dc:contributor" (ID INTEGER NOT NULL,  
"dc:contributor" TEXT NOT NULL, "dc:contributor:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_dc:date" (ID INTEGER NOT NULL, "dc:date" INTEGER NOT NULL,  
"dc:date:graph" INTEGER, "dc:date:localDate" INTEGER NOT NULL,  
"dc:date:localTime" INTEGER NOT NULL);  
CREATE TABLE "rdfs:Resource_dc:relation" (ID INTEGER NOT NULL,  
"dc:relation" TEXT NOT NULL, "dc:relation:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_dc:source" (ID INTEGER NOT NULL,  
"dc:source" INTEGER NOT NULL, "dc:source:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_nao:deprecated" (ID INTEGER NOT NULL,  
"nao:deprecated" INTEGER NOT NULL, "nao:deprecated:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_nao:hasTag" (ID INTEGER NOT NULL,  
"nao:hasTag" INTEGER NOT NULL, "nao:hasTag:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_nao:isRelated" (ID INTEGER NOT NULL,  
"nao:isRelated" INTEGER NOT NULL, "nao:isRelated:graph" INTEGER);  
CREATE TABLE "rdfs:Resource_rdf:type" (ID INTEGER NOT NULL, "rdf:type" INTEGER NOT NULL,  
"rdf:type:graph" INTEGER);  
CREATE TABLE "scal:AccessLevel" (ID INTEGER NOT NULL PRIMARY KEY);
<table>
<thead>
<tr>
<th>Table Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>scal:AttendanceStatus</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td>scal:AttendeeRole</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td>scal:Attendee_scal:delegated-from</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:delegated-from&quot; INTEGER NOT NULL, &quot;scal:delegated-from:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:Attendee_scal:delegated-to</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:delegated-to&quot; INTEGER NOT NULL, &quot;scal:delegated-to:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:Attendee Scal:member</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:member&quot; INTEGER NOT NULL, &quot;scal:member:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:Attendee_scal:sent-by</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:sent-by&quot; INTEGER NOT NULL, &quot;scal:sent-by:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:Calendar</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td>scal:CalendarAlarm</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY, &quot;scal:alarmOffset&quot; INTEGER, &quot;scal:alarmOffset:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarAlarmascal:alarmAttendee</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:alarmAttendee&quot; INTEGER NOT NULL, &quot;scal:alarmAttendee:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:access</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:access&quot; INTEGER NOT NULL, &quot;scal:access:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:attachment</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:attachment&quot; INTEGER NOT NULL, &quot;scal:attachment:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:attendee</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:attendee&quot; INTEGER NOT NULL, &quot;scal:attendee:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:belongsToCalendar</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:belongsToCalendar&quot; INTEGER NOT NULL, &quot;scal:belongsToCalendar:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:contact</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:contact&quot; INTEGER NOT NULL, &quot;scal:contact:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:CalendarItemascal:rrule</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:rrule&quot; INTEGER NOT NULL, &quot;scal:rrule:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendar</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY)</td>
</tr>
<tr>
<td>scal:ConferenceCalendaralarm</td>
<td>CREATE TABLE (ID INTEGER NOT NULL PRIMARY KEY, &quot;scal:alarmOffset&quot; INTEGER, &quot;scal:alarmOffset:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaralarmascal:alarmAttendee</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:alarmAttendee&quot; INTEGER NOT NULL, &quot;scal:alarmAttendee:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:access</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:access&quot; INTEGER NOT NULL, &quot;scal:access:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:attachment</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:attachment&quot; INTEGER NOT NULL, &quot;scal:attachment:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:attendee</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:attendee&quot; INTEGER NOT NULL, &quot;scal:attendee:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:belongsToCalendar</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:belongsToCalendar&quot; INTEGER NOT NULL, &quot;scal:belongsToCalendar:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:contact</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:contact&quot; INTEGER NOT NULL, &quot;scal:contact:graph&quot; INTEGER);</td>
</tr>
<tr>
<td>scal:ConferenceCalendaritemascal:rrule</td>
<td>CREATE TABLE (ID INTEGER NOT NULL, &quot;scal:rrule&quot; INTEGER NOT NULL, &quot;scal:rrule:graph&quot; INTEGER);</td>
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</tbody>
</table>
"scal:rrule" INTEGER NOT NULL, "scal:rrule:graph" INTEGER);
CREATE TABLE "scal:CalendarUserType" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Event" (ID INTEGER NOT NULL PRIMARY KEY, "scal:eventStatus" INTEGER, "scal:eventStatus:graph" INTEGER);
CREATE TABLE "scal:EventStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:Journal" (ID INTEGER NOT NULL PRIMARY KEY, "scal:journalStatus" INTEGER, "scal:journalStatus:graph" INTEGER);
CREATE TABLE "scal:JournalStatus" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RSVPValues" (ID INTEGER NOT NULL PRIMARY KEY);
CREATE TABLE "scal:RecurrenceRule" (ID INTEGER NOT NULL PRIMARY KEY, "scal:recurrencePattern" TEXT COLLATE NOCASE, "scal:recurrencePattern:graph" INTEGER, "scal:recurrenceStartDate" INTEGER, "scal:recurrenceStartDate:graph" INTEGER);
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: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 UNIQUE INDEX "mlo:GeoPoint_mlo:latitude" (ID, "mlo:latitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:longitude" (ID, "mlo:longitude");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:state" (ID, "mlo:state");
CREATE UNIQUE INDEX "mlo:GeoPoint_mlo:timestamp" (ID, "mlo:timestamp");
CREATE UNIQUE INDEX "mlo:GeoSphere_mlo:radius" (ID, "mlo:radius");
CREATE UNIQUE INDEX "mlo:LandmarkCategory_mlo:isRemovable" (ID, "mlo:isRemovable");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:belongsToCategory" (ID, "mlo:belongsToCategory");
CREATE UNIQUE INDEX "mlo:Landmark_mlo:poiLocation" (ID, "mlo:poiLocation");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxEastLimit" (ID, "mlo:boxEastLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxNorthLimit" (ID, "mlo:boxNorthLimit");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxSouthWestCorner" (ID, "mlo:boxSouthWestCorner");
CREATE UNIQUE INDEX "mlo:LocationBoundingBox_mlo:boxVerticalLimit" (ID, "mlo:boxVerticalLimit");
CREATE UNIQUE INDEX "mlo:Route_mlo:endTime" (ID, "mlo:endTime");
CREATE UNIQUE INDEX "mlo:Route_mlo:routeDetails" (ID, "mlo:routeDetails");
CREATE UNIQUE INDEX "mlo:Route_mlo:startTime" (ID, "mlo:startTime");
"ncal:Alarm_ncal:action" (ID, "ncal:action");
CREATE UNIQUE INDEX "ncal:BydayRulePart_ncal:bydayModifier_ID_ID" ON "ncal:BydayRulePart_ncal:bydayModifier" (ID, "ncal:bydayModifier");
CREATE UNIQUE INDEX "ncal:Calendar_ncal:component_ID_ID" ON "ncal:Calendar_ncal:component" (ID, "ncal:component");
CREATE UNIQUE INDEX "ncal:Freebusy_ncal:freebusy_ID_ID" ON "ncal:Freebusy_ncal:freebusy" (ID, "ncal:freebusy");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byday_ID_ID" ON "ncal:RecurrenceRule_ncal:byday" (ID, "ncal:byday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byhour_ID_ID" ON "ncal:RecurrenceRule_ncal:byhour" (ID, "ncal:byhour");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byminute_ID_ID" ON "ncal:RecurrenceRule_ncal:byminute" (ID, "ncal:byminute");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonth_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonth" (ID, "ncal:bymonth");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bymonthday_ID_ID" ON "ncal:RecurrenceRule_ncal:bymonthday" (ID, "ncal:bymonthday");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysecond_ID_ID" ON "ncal:RecurrenceRule_ncal:bysecond" (ID, "ncal:bysecond");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:bysetpos_ID_ID" ON "ncal:RecurrenceRule_ncal:bysetpos" (ID, "ncal:bysetpos");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byweekno_ID_ID" ON "ncal:RecurrenceRule_ncal:byweekno" (ID, "ncal:byweekno");
CREATE UNIQUE INDEX "ncal:RecurrenceRule_ncal:byyearday_ID_ID" ON "ncal:RecurrenceRule_ncal:byyearday" (ID, "ncal:byyearday");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attach_ID_ID" ON "ncal:UnionParentClass_ncal:attach" (ID, "ncal:attach");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:attendee_ID_ID" ON "ncal:UnionParentClass_ncal:attendee" (ID, "ncal:attendee");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:categories_ID_ID" ON "ncal:UnionParentClass_ncal:categories" (ID, "ncal:categories");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exdate_ID_ID" ON "ncal:UnionParentClass_ncal:exdate" (ID, "ncal:exdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:exrule_ID_ID" ON "ncal:UnionParentClass_ncal:exrule" (ID, "ncal:exrule");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:hasAlarm_ID_ID" ON "ncal:UnionParentClass_ncal:hasAlarm" (ID, "ncal:hasAlarm");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:ncalRelation_ID_ID" ON "ncal:UnionParentClass_ncal:ncalRelation" (ID, "ncal:ncalRelation");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rdate_ID_ID" ON "ncal:UnionParentClass_ncal:rdate" (ID, "ncal:rdate");
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:relatedToChild_ID_ID" ON "ncal:UnionParentClass_ncal:relatedToChild" (ID, "ncal:relatedToChild");
CREATE UNIQUE INDEX "ncal:relatedToParent" ON "ncal:UnionParentClass_ncal:resources_ID_ID" ON "ncal:UnionParentClass_ncal:resources" (ID, "ncal:resources"),
CREATE UNIQUE INDEX "ncal:UnionParentClass_ncal:rrule_ID_ID" ON "ncal:UnionParentClass_ncal:rrule" (ID, "ncal:rrule"),
CREATE UNIQUE INDEX "nco:Affiliation_nco:title_ID_ID" ON "nco:Affiliation_nco:title" (ID, "nco:title"),
CREATE UNIQUE INDEX "nco:ContactList_nco:containsContact_ID_ID" ON "nco:ContactList_nco:containsContact" (ID, "nco:containsContact"),
CREATE UNIQUE INDEX "nco:Contact_ncal:anniversary_ID_ID" ON "nco:Contact_ncal:anniversary" (ID, "ncal:anniversary"),
CREATE UNIQUE INDEX "nco:Contact_ncal:birthday_ID_ID" ON "nco:Contact_ncal:birthday" (ID, "ncal:birthday"),
CREATE UNIQUE INDEX "nco:Contact_ncal:belongsToGroup_ID_ID" ON "nco:Contact_nco:belongsToGroup" (ID, "nco:belongsToGroup"),
CREATE UNIQUE INDEX "nco:Contact_nco:note_ID_ID" ON "nco:Contact_nco:note" (ID, "nco:note"),
CREATE UNIQUE INDEX "nco:Contact_nco:nameFamily" ON "nco:PersonContact" ("nco:nameFamily"),
CREATE INDEX "nco:PhoneNumber_nco:phoneNumber" ON "nco:PhoneNumber" ("nco:phoneNumber"),
CREATE UNIQUE INDEX "nco:Role_nco:blogUrl_ID_ID" ON "nco:Role_nco:blogUrl" (ID, "nco:blogUrl"),
CREATE UNIQUE INDEX "nco:Role_nco:foafUrl_ID_ID" ON "nco:Role_nco:foafUrl" (ID, "nco:foafUrl"),
CREATE UNIQUE INDEX "nco:Role_nco:hasContactMedium_ID_ID" ON "nco:Role_nco:hasContactMedium" (ID, "nco:hasContactMedium"),
CREATE INDEX "nco:Role_nco:hasEmailAddress_ID" ON "nco:Role_nco:hasEmailAddress" (ID);
CREATE UNIQUE INDEX "nco:Role_nco:hasEmailAddress_ID_ID" ON "nco:Role_nco:hasEmailAddress" ("nco:hasEmailAddress", ID),
CREATE UNIQUE INDEX "nco:Role_nco:hasIMAddress_ID_ID" ON "nco:Role_nco:hasIMAddress" (ID, "nco:hasIMAddress"),
CREATE UNIQUE INDEX "nco:Role_nco:hasPhoneNumber_ID_ID" ON "nco:Role_nco:hasPhoneNumber" (ID, "nco:hasPhoneNumber"),
CREATE INDEX "nco:Role_nco:hasPostalAddress_ID" ON "nco:Role_nco:hasPostalAddress" (ID),
CREATE UNIQUE INDEX "nco:Role_nco:hasPostalAddress_ID_ID" ON
"nco:Role_nco:hasPostalAddress" ("nco:hasPostalAddress", ID);
CREATE UNIQUE INDEX "nco:Role_nco:url_ID_ID" ON "nco:Role_nco:url" (ID, "nco:url");
CREATE UNIQUE INDEX "nco:Role_nco:websiteUrl_ID_ID" ON "nco:Role_nco:websiteUrl" (ID, "nco:websiteUrl");
CREATE UNIQUE INDEX "nfo:BookmarkFolder_nfo:containsBookmarkFolder_ID_ID" ON "nfo:BookmarkFolder_nfo:containsBookmarkFolder" (ID, "nfo:containsBookmarkFolder");
CREATE UNIQUE INDEX "nfo:BookmarkFolder_nfo:containsBookmark_ID_ID" ON "nfo:BookmarkFolder_nfo:containsBookmark" (ID, "nfo:containsBookmark");
CREATE INDEX "nfo:FileDataObject_nfo:fileLastModified" ON "nfo:FileDataObject" ("nfo:fileLastModified");
CREATE UNIQUE INDEX "nfo:Image_nfo:depicts_ID_ID" ON "nfo:Image_nfo:depicts" (ID, "nfo:depicts");
CREATE UNIQUE INDEX "nfo:Image_nfo:hasRegionOfInterest_ID_ID" ON "nfo:Image_nfo:hasRegionOfInterest" (ID, "nfo:hasRegionOfInterest");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:hasMediaFileListEntry_ID_ID" ON "nfo:MediaList_nfo:hasMediaFileListEntry" (ID, "nfo:hasMediaFileListEntry");
CREATE UNIQUE INDEX "nfo:MediaList_nfo:mediaListEntry_ID_ID" ON "nfo:MediaList_nfo:mediaListEntry" (ID, "nfo:mediaListEntry");
CREATE UNIQUE INDEX "nfo:Media_mtp:hidden_ID_ID" ON "nfo:Media_mtp:hidden" (ID, "mtp:hidden");
CREATE UNIQUE INDEX "nfo:Media_nmm:alternativeMedia_ID_ID" ON "nfo:Media_nmm:alternativeMedia" (ID, "nmm:alternativeMedia");
CREATE INDEX "nfo:Visual_nie:contentCreated" ON "nfo:Visual" ("nie:contentCreated");
CREATE UNIQUE INDEX "nid3:ID3Audio_nid3:leadArtist_ID_ID" ON "nid3:ID3Audio_nid3:leadArtist" (ID, "nid3:leadArtist");
CREATE UNIQUE INDEX "nie:DataObject_nie:isPartOf_ID_ID" ON "nie:DataObject_nie:isPartOf" (ID, "nie:isPartOf");
CREATE INDEX "nie:DataObject_nie:url" ON "nie:DataObject" ("nie:url");
CREATE INDEX "nie:InformationElement_mlo:location_ID" ON "nie:InformationElement_mlo:location" (ID);
CREATE UNIQUE INDEX "nie:InformationElement_mlo:location_ID_ID" ON "nie:InformationElement_mlo:location" ("mlo:location", ID);
CREATE UNIQUE INDEX "nie:InformationElement_nao:hasProperty_ID_ID" ON "nie:InformationElement_nao:hasProperty" (ID, "nao:hasProperty");
CREATE UNIQUE INDEX "nie:InformationElement_nco:contributor_ID_ID" ON "nie:InformationElement_nco:contributor" (ID, "nco:contributor");
CREATE UNIQUE INDEX "nie:InformationElement_nco:creator_ID_ID" ON "nie:InformationElement_nco:creator" (ID, "nco:creator");
CREATE UNIQUE INDEX "nie:InformationElement_nie:hasLogicalPart_ID_ID" ON "nie:InformationElement_nie:hasLogicalPart" (ID,
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:Multpart_nmo:partBoundary_ID_ID" ON "nmo:Multpart_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:belongsToCalendar_ID_ID" ON "scal:CalendarItem_scal:belongsToCalendar" (ID, "scal:belongsToCalendar");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:contact_ID_ID" ON "scal:CalendarItem_scal:contact" (ID, "scal:contact");
CREATE UNIQUE INDEX "scal:CalendarItem_scal:rrule_ID_ID" ON "scal:CalendarItem_scal:rrule" (ID, "scal:rrule");
CREATE INDEX "slo:GeoLocation_slo:postalAddress" ON "slo:GeoLocation" ("slo:postalAddress");
CREATE UNIQUE INDEX "slo:Landmark_slo:belongsToCategory_ID_ID" ON "slo:Landmark_slo:belongsToCategory" (ID, "slo:belongsToCategory");
CREATE UNIQUE INDEX "slo:Landmark_slo:hasContact_ID_ID" ON "slo:Landmark_slo:hasContact" (ID, "slo:hasContact");
CREATE UNIQUE INDEX "slo:Route_slo:routeDetails_ID_ID" ON "slo:Route_slo:routeDetails" (ID, "slo:routeDetails");

EXPLAIN SELECT "1_u", (SELECT "nco:fullname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameFamily" FROM
"nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameGiven" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameAdditional" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificPrefix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nameHonorificSuffix" FROM "nco:PersonContact" WHERE ID = "1_u") COLLATE NOCASE, (SELECT "nco:nickname" FROM "nco:Contact" WHERE ID = "1_u") COLLATE NOCASE, strftime("%s",(SELECT "nco:birthDate" FROM "nco:Contact" WHERE ID = "1_u")), (SELECT "nie:url" FROM "nie:DataObject" WHERE ID = (SELECT "nco:photo" FROM "nco:Contact" WHERE ID = "1_u")) COLLATE NOCASE, (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:imProtocol" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imID" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE)||? COLLATE NOCASE||COALESCE((SELECT "nco:imNickname" FROM "nco:IMAddress" WHERE ID = "3_u") COLLATE NOCASE, ? COLLATE NOCASE), '
') FROM (SELECT "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasIMAddress3"."nco:hasIMAddress" AS "3_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation2", "nco:Role_nco:hasIMAddress" AS "nco:Role_nco:hasIMAddress3" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation2"."ID" AND "nco:PersonContact_nco:hasAffiliation2"."nco:hasAffiliation" = "nco:Role_nco:hasIMAddress3"."ID"), (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:phoneNumber" FROM "nco:PhoneNumber" WHERE ID = "4_u") COLLATE NOCASE, ? COLLATE NOCASE), '
') FROM (SELECT "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasPhoneNumber5"."nco:hasPhoneNumber" AS "4_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation4", "nco:Role_nco:hasPhoneNumber" AS "nco:Role_nco:hasPhoneNumber5" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation4"."ID" AND "nco:PersonContact_nco:hasAffiliation4"."nco:hasAffiliation" = "nco:Role_nco:hasPhoneNumber5"."ID"), (SELECT GROUP_CONCAT("2_u"||? COLLATE NOCASE||COALESCE((SELECT "nco:emailAddress" FROM "nco:EmailAddress" WHERE ID = "5_u") COLLATE NOCASE, ? COLLATE NOCASE), '
') FROM (SELECT "nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasEmailAddress7"."nco:hasEmailAddress" AS "5_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation6", "nco:Role_nco:hasEmailAddress" AS "nco:Role_nco:hasEmailAddress7" WHERE "1_u" = "nco:PersonContact_nco:hasAffiliation6"."ID" AND "nco:PersonContact_nco:hasAffiliation6"."nco:hasAffiliation" = "nco:Role_nco:hasEmailAddress7"."ID"), (SELECT GROUP CONCAT("2_u") COLLATE NOCASE||COALESCE((SELECT...
"nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE) || COALESCE((SELECT "nco:country" FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE) || COALESCE((SELECT "nco:region" FROM "nco:PostalAddress" WHERE ID = "7_u") COLLATE NOCASE, ? COLLATE NOCASE), "\n") FROM (SELECT "nco:PersonContact_nco:hasAffiliation11"."nco:hasAffiliation" AS "2_u", "nco:Role_nco:hasPostalAddress12"."nco:hasPostalAddress" AS "7_u" FROM "nco:PersonContact_nco:hasAffiliation" AS "nco:PersonContact_nco:hasAffiliation11", "nco:Role_nco:hasPostalAddress12" AS "nco:Role_nco:hasPostalAddress11", "nco:PersonContact_nco:hasAffiliation11"."nco:hasAffiliation" = "nco:Role_nco:hasPostalAddress11"."ID") AS (SELECT GROUP_CONCAT("10_u" COLLATE NOCASE, ",") FROM (SELECT "nie:InformationElement_nao:hasProperty13"."nao:hasProperty" AS "8_u", "nao:Property14"."nao:propertyName" AS "9_u", "nao:Property14"."nao:propertyValue" AS "10_u" FROM "nie:InformationElement_nao:hasProperty" AS "nie:InformationElement_nao:hasProperty13", "nao:Property" AS "nao:Property14" WHERE "1_u" = "nie:InformationElement_nao:hasProperty13"."ID" AND "nie:InformationElement_nao:hasProperty13"."nao:hasProperty" = "nao:Property14"."ID" AND "9_u" IS NOT NULL AND "10_u" IS NOT NULL AND ("9_u" COLLATE NOCASE = ? COLLATE NOCASE))) AS (SELECT "nco:PersonContact1"."ID" AS "1_u" FROM "nco:PersonContact" AS "nco:PersonContact1") ORDER BY "1_u";

} */
} */

finish_test

Found in path(s):

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

without a shared lock, other processes are free to modify the database

Found in path(s):

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

<h3>Proprietary SQLite Extensions</h3>
<a href="copyright.html">public domain</a>. But there also exist
proprietary, licensed extensions to SQLite, written and maintained
You are welcomed to use SQLite in closed source, proprietary, and/or

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

)putinterval

Found in path(s):
* 1 index 0.BadFont
No license file was found, but licenses were detected in source scan.

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.

<li>Sources are in the &lt;a href="copyright.html"&gt;public domain&lt;/a&gt;.
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.
ifcapable !fts2 {
    finish_test
    return
}

# Create a table of sample email data. The data comes from email archives of Enron executives that was published as part of the litigation against that company.
#
do_test fts2c-1.1 {
    db eval {
        CREATE VIRTUAL TABLE email USING fts2([from],[to],subject,body);
        BEGIN TRANSACTION;
        INSERT INTO email([from],[to],subject,body) VALUES('savita.puthigai@enron.com', 'traders.eol@enron.com, traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following changes will be made to the Autohedge functionality on EnronOnline.

        The volume on the hedge will now respect the minimum volume and volume increment settings on the parent product. See rules below:

        ?If the transaction volume on the child is less than half of the parent’s minimum volume no hedge will occur.
        ?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume increment on the parent, the hedge will volume will be the parent’s minimum volume.
        ?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.

        Please see example below:

        Parent"s Settings:
        Minimum: 5000
        Increment: 1000

        Volume on Autohedge transaction
        Volume Hedged
        1    - 24990
        2500 - 54995000
        5500 - 64996000);
        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/010129/n29305829.html');

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

INSERT INTO email([from],[to],subject,body) VALUES('e..carter@enron.com', 't..robinson@enron.com', 'FW: Producers Newsletter 9-24-2001', 'The producer lumber pricing sheet.

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

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

'):

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

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.
Regards
Delainey);

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

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

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

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

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

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

Wendy');

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

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

Fran Fagan
Sr. HR Rep
713.853.5219

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

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

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

BERT');
INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com;', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toc_hide=1&sTV1=5&TV1Exp=Y&current_efct_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.

Jim
In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

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

- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

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

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

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

"<About St Pauls.url>>?
?http://www.stpaulshouston.org/about.html
Chris,

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

Let me know. ??

- About St Pauls.url

');
INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com,', 'Reply Brief filed July 31, 2000', ' - CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_doc');
INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.
');
INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', '', 'Here is a goody for you');
INSERT INTO email([from],[to],subject,body) VALUES('ryan.o''rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com,', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=36&report_name=West+VaR&category_cd=2&category_name=WEST&toc_hide=1&sTV1=2&TV1Exp=Y&current_efct_date=11/07/2001>, published as of 11/07/2001 is now available for viewing on the website.);
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com,', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap       10.000 / Enron ; 110.000 / HPL IFERC
LS HPL LSK IC       30.000 / Enron
');
INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-
Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');
INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn't know how deep to go with the desk. Do you think this works. '),['cpuc01-#76371-v1-revised_reply_brief__due_today_7_31_doc'],
INSERT INTO email([from],[to],subject,body) VALUES('m.forney@enron.com', 'george.phillips@enron.com', "", 'George,
Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,
JMForney
3-7160');
INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');
INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

adam
35227

-----Original Message-----
From: Royed, Jeff
Sent: Tuesday, September 25, 2001 11:37 AM
To: Bayer, Adam
Subject: Curve Fetch File

Let me know if it works. It may be required to have a certain version of Oracle for it to work properly.

Jeff Royed
Enron
Energy Operations
Phone: 713-853-5295');
INSERT INTO email([from],[to],subject,body) VALUES('matt.smith@enron.com', 'yan.wang@enron.com', 'Report Formats', 'Yan,
The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

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

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

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

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'sherry.dawson@enron.com', 'Urgent!!! --- New EAST books', 'This has to be done..................................

Thanks
---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM ----------------------

From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
    cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

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

Thanks for your help on this.
New:
Scott Neal: East Northeast
Dick Jenkins: East Market East

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,
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com',
'mmmarcantel@equiva.com', 'RE:', 'i will try to line up a pig for you ');INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com,
chaun.roberts@enron.com, judy.martinez@enron.com,', 'Disaster Recovery Equipment', 'As a reminder...there are several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment for you to use.

Thanks for your understanding in this matter.

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

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

Thanks,

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

Dear SmartReminders Member,

[IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE] [IMAGE]
We respect your privacy and are a Certified Participant of the BBBOnLine Privacy Program. To be removed from future offers, click here.
SmartReminders.com is a permission based service. To unsubscribe click here.

INSERT INTO email([from],[to],subject,body) VALUES('benjamin.rogers@enron.com','mark.bernstein@enron.com','", 'The guy you are talking about left CIN under a "cloud of suspicion" sort of speak. He was the one who got into several bad deals and PPA's in California for CIN, thus he left on a bad note. Let me know if you need more detail than that, I felt this was the type of info you were looking for. Thanks!
Ben');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com','michelle.cash@enron.com','Expense Report Receipts Not Received','Employee Name: Michelle Cash
Report Name: Houston Cellular 8-11-01
Report Date: 12/13/01
Report ID: 594D37C9ED2111D5B452
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.');

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

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

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM    To: ""smara@enron.com""
<smara@enron.com> cc: Subject: CAISO Emergency Motion
Sue, did you see this emergency motion the CAISO filed today? Apparently they are requesting that FERC discontinue market-based rates immediately and grant refunds plus interest on the difference between cost-based rates and market revenues received back to May 2000. They are requesting the commission act within 14 days. Have you heard anything about what they are doing?

Marcie


Who is General Brinks?

Fletch);

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

Nailia

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

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

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

Michael,

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

Nailia
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)

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

-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,
Its been a real pleasure working with you (even though it was for only a small amount of time) 
I hope we can stay in touch.

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

Take Care,

Karim.

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

I haven”t talked to many of you via email recently but I do want to give you 
my new address for your email file:

   bjm30@earthlink.net

I hope all is well.

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

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

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

See attached memo for more details!!

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

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

? Please complete the Online RSVP Form as soon as it is available and submit 
it no later than Friday, March 30th.
INSERT INTO email([from],[to],subject,body) VALUES('tori.kuykendall@enron.com', 'heath.b.taylor@accenture.com', 'Re:', 'hey - thats funny about john - he definitely remembers him - i''ll call pat and let him know - we are coming on saturday - i just havent had a chance to call you guys back -- looking forward to it -- i probably need the directions again though');
INSERT INTO email([from],[to],subject,body) VALUES('darron.giron@enron.com', 'bryce.baxter@enron.com', 'Re: Feedback for Audrey Cook', 'Bryce,
I''ll get it done today.
DG    3-9573

From: Bryce Baxter                           06/12/2000 07:15 PM
To: Darron C Giron/HOU/ECT@ECT
cc:
Subject: Feedback for Audrey Cook

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

'):
INSERT INTO email([from],[to],subject,body) VALUES('casey.evans@enron.com', 'stephanie.sever@enron.com', 'Gas EOL ID', 'Stephanie,
In conjunction with the recent movement of several power traders, they are changing the names of their gas books as well. The names of the new gas books and traders are as follows:
PWR-NG-LT-SPP: Mike Carson
PWR-NG-LT-SERC: Jeff King
If you need to know their power desk to map their ID to their gas books, those desks are as follows:
EPMI-LT-SPP: Mike Carson
EPMI-LT-SERC: Jeff King
I will be in training this afternoon, but will be back when class is over. Let me know if you have any questions.
Thanks for your help!
Casey');
INSERT INTO email([from],[to],subject,body) VALUES('darrell.schoolcraft@enron.com',
david.roensch@enron.com, kimberly.watson@enron.com, michelle.lokay@enron.com', 'Postings', 'Please see the attached.

ds

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

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

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

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

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

Martin B. Cominsky
Director, Southwest Region
Anti-Defamation League
713/627-3490, ext. 122
713/627-2011 (fax)
MCominsky@aol.com');
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu,
gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben
Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB
rumor mill. Hope things are well, happy holidays.
PL');
INSERT INTO email([from],[to],subject,body) VALUES('marie.heard@enron.com', 'ehamilton@fna.com', 'ISDA
Master Agreement', 'Erin:

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

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

INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', 'Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.

INSERT INTO email([from],[to],subject,body) VALUES('stacy.dickson@enron.com', 'gregg.penman@enron.com', 'RE: Constellation TC 5-7-01', 'Gregg.

I am at home with a sick baby. (Lots of fun!) I will call you about this tomorrow.

Stacy')

INSERT INTO email([from],[to],subject,body) VALUES('joe.quenet@enron.com', 'dfincher@utilicorp.com', '', 'hey big guy.....check this out.....

www.gorelieberman-2000.com/

INSERT INTO email([from],[to],subject,body) VALUES('k..allen@enron.com', 'jacqestc@aol.com', '', 'Jacques,
I sent you a fax of Kevin Kolb’s comments on the release. The payoff on the note would be $36,248
($36090(principal) + $158 (accrued interest)).
This is assuming we wrap this up on Tuesday.

Please email to confirm that their changes are ok so I can set up a meeting on Tuesday to reach closure.

Phillip’);
INSERT INTO email([from],[to],subject,body) VALUES('kourtney.nelson@enron.com',
'mike.swerzbin@enron.com', 'Adjusted L/R Balance', 'Mike,

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not
   included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please.
Also, James Bruce is working to get his gen report on the web. That will help with your access to information on
new gen.

Please let me know if you have any questions or feedback,

Kourtney

Kourtney Nelson
Fundamental Analysis
Enron North America
(503) 464-8280
kourtney.nelson@enron.com’);
INSERT INTO email([from],[to],subject,body) VALUES('d..thomas@enron.com', 'naveed.ahmed@enron.com',
'FW: Current Enron TCC Portfolio', '

-----Original Message-----
From: Grace, Rebecca M.
Sent: Monday, December 17, 2001 9:44 AM
To: Thomas, Paul D.
Cc: Cashion, Jim; Allen, Thresa A.; May, Tom
Subject: RE: Current Enron TCC Portfolio

Paul,

I reviewed NY”s list. I agree with all of their contracts numbers and mw amounts.
Call if you have any more questions.

Rebecca

-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:08 AM
To: Grace, Rebecca M.
Subject: FW: Current Enron TCC Portfolio

<< File: enrontccs.xls >>
Rebecca,
Let me know if you see any differences.

Paul
X 3-0403
-----Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
Subject: FW: Current Enron TCC Portfolio

-----Original Message-----
From: Thomas, Paul D.
Sent: Thursday, December 13, 2001 10:01 AM
To: Baughman, Edward D.
Subject: Current Enron TCC Portfolio

');
INSERT INTO email([from],[to],subject,body) VALUES('stephanie.panus@enron.com',
'william.bradford@enron.com, debbie.brackett@enron.com,',
'Coastal Merchant Energy/El Paso Merchant Energy',
'Coastal Merchant Energy, L.P. merged with and into El Paso Merchant Energy,
L.P., effective February 1, 2001, with the surviving entity being El Paso
Merchant Energy, L.P. We currently have ISDA Master Agreements with both
counterparties. Please see the attached memo regarding the existing Masters
and let us know which agreement should be terminated.

Thanks,
Stephanie
');
INSERT INTO email([from],[to],subject,body) VALUES('kam.keiser@enron.com', 'c..kenne@enron.com', 'RE:
What about this too???, '

----Original Message-----
From: Kenne, Dawn C.
Sent:Wednesday, February 06, 2002 11:50 AM
To:Keiser, Kam
Subject:What about this too???

<< File: Netco Trader Matrix.xls >>

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

Thanks

chris
x31666');
INSERT INTO email([from],[to],subject,body) VALUES('debra.perlingiere@enron.com', 'jworman@academyofhealth.com', '', 'Have a great weekend! Happy Fathers Day!

Debra Perlingiere
Enron North America Corp.
1400 Smith Street, EB 3885
Houston, Texas 77002
dperlin@enron.com
Phone 713-853-7658
Fax 713-646-3490');
INSERT INTO email([from],[to],subject,body) VALUES('outlook.team@enron.com', '', 'Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &', 'CALENDAR ENTRY:APPOINTMENT

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date:1/5/2001
Time:9:00 AM - 10:00 AM (Central Standard Time)

Chairperson:Outlook Migration Team

Detailed Description:
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',

"Open Source Used In Elastic Services Controller Software 5.5.0 1451"
'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

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

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

LOG MESSAGES:

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

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

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

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', '', 'Lite Bytz RSVP', '
This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

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

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

Click below for more details.

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

COMMIT;

} {}
do_test fts2c-1.4 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark susan'
    }
} {40}
do_test fts2c-1.5 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'susan mark'
    }
} {40}
do_test fts2c-1.6 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH '"mark susan"'
    }
} {}
do_test fts2c-1.7 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark -susan'
    }
} {6 17 25 38 42 73 74}
do_test fts2c-1.8 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH '-mark susan'
    }
} {24}
do_test fts2c-1.9 {
    execsql {
        SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
    }
} {6 17 24 25 38 40 42 73 74}

# Some simple tests of the automatic "offsets(email)" column. In the sample
# data set above, only one message, number 20, contains the words
# "gas" and "reminder" in both body and subject.
#
do_test fts2c-2.1 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts2c-2.2 {
    execsql {
        SELECT rowid, offsets(email) FROM email
        WHERE email MATCH 'subject:gas reminder'
    }
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}
do_test fts2c-2.3 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
}
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts2c-2.4 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
}
} {20 {2 0 42 3 2 1 54 8}}
do_test fts2c-2.5 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
}
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts2c-3.1 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
}
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
do_test fts2c-3.2 {
execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH ""child product"
}
} {32 {3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7}}

# Snippet generator tests
#
do_test fts2c-4.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
}
} {{Alert Posted 10:00 AM November 20, 2000: E-<b>GAS</b> Request <b>Reminder</b>}}
do_test fts2c-4.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
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. }

```sql
do_test fts2c-4.3 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
}
}

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

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

[chris.germany@enron.com Sounds good to me. I bet this is next to the Warick?? Hotel. place.? What do you think about going here Christmas eve?? They have an 11:00 a.m. ]
do_test fts2c-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
}
}

[Erin:
Pursuant to your request, attached are the Schedule to ]
do_test fts2c-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
OPEN SOURCE USED IN ELASTIC SERVICES CONTROLLER SOFTWARE 5.5.0

Start Date: 4/22/01; HourAhead hour: 3; No ancillary schedules awarded.
Variance detected.
Variance detected in Load schedule.

LOG MESSAGES:

PARSING ...

# Combinations of AND and OR operators:
#
do_test fts2c-5.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
  }
}
} {{matt.smith@enron.com ...

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2 ...

do_test fts2c-5.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
  }
}
} {{matt.smith@enron.com ...

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2 ...

finish_test

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

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.putrigai@enron.com', 'traders.eol@enron.com,
#            traders.eol@enron.com', 'EnronOnline- Change to Autohedge', 'Effective Monday, October 22, 2001 the following
#            changes will be made to the Autohedge functionality on EnronOnline.
#            The volume on the hedge will now respect the minimum volume and volume increment settings on the parent
#            product. See rules below:
#            ?If the transaction volume on the child is less than half of the parent”s minimum volume no hedge will occur.
#            ?If the transaction volume on the child is more than half the parent’s minimum volume but less than half the volume
#            increment on the parent, the hedge will volume will be the parent”s minimum volume.
#            ?For all other volumes, the same rounding rules will apply based on the volume increment on the parent product.
#            Please see example below:
#            Parent”s Settings:


Minimum: 5000
Increment: 1000

Volume on Autohedge transaction | Volume Hedged
--- | ---
1 | 24990
2500 | 54995000
5500 | 64996000

INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it's ok with everyone's needs, I would like to leave @4pm. If you think you will need my assistance past the 4 o'clock hour just let me know: I'll be more than willing to stay.);

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<Concur Expense Document> - CC02.06.02', 'The following expense report is ready for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

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

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,

I'd like to review this today at 1:30 in our office. Also, could you provide me with your activity reports so I can have Julie enter this information.

JD);

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html);

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

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

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

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

Regards
Delainey');

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

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

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

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

Wendy);

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

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

Thanks.

Dan

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

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

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

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

');

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

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

BERT');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com.', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toe_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

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

Thank for your help!

INSERT INTO email([from],[to],subject,body) VALUES('legal <.hall@enron.com>', 'stephanie.panus@enron.com', 'Termination update', 'City of Vernon and Salt River Project terminated their contracts. I will fax these notices to you.');

INSERT INTO email([from],[to],subject,body) VALUES('d..steffes@enron.com', 'richard.shapiro@enron.com', 'EES / ENA Government Affairs Staffing & Outside Services', 'Rick --

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

Jim

');

INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

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

- OUTAGE.dbf
- 111201R.xls
- 111201.xls ');

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

"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.??

- About St Pauls.url

Here is a goody for you);

The report named: West VaR
INSERT INTO email([from],[to],subject,body) VALUES('mjones7@txu.com', 'cstone1@txu.com, ggreen2@txu.com, timpowell@txu.com', 'Enron / HPL Actuals for July 10, 2000', 'Teco Tap 10.000 / Enron ; 110.000 / HPL IFERC LS HPL LSK IC 30.000 / Enron');

INSERT INTO email([from],[to],subject,body) VALUES('susan.pereira@enron.com', 'kkw816@aol.com', 'soccer practice', 'Kathy-

Is it safe to assume that practice is cancelled for tonight??

Susan Pereira');

INSERT INTO email([from],[to],subject,body) VALUES('mark.whitt@enron.com', 'barry.tycholiz@enron.com', 'Huber Internal Memo', 'Please look at this. I didn’t know how deep to go with the desk. Do you think this works.

');

INSERT INTO email([from],[to],subject,body) VALUES('m..forney@enron.com', 'george.phillips@enron.com', '', 'George,

Give me a call and we will further discuss opportunities on the 13st floor.

Thanks,

JMForney 3-7160');

INSERT INTO email([from],[to],subject,body) VALUES('brad.mckay@enron.com', 'angusmcka@aol.com', 'Re: (no subject)', 'not yet');

INSERT INTO email([from],[to],subject,body) VALUES('adam.bayer@enron.com', 'jonathan.mckay@enron.com', 'FW: Curve Fetch File', 'Here is the curve fetch file sent to me. It has plenty of points in it. If you give me a list of which ones you need we may be able to construct a secondary worksheet to vlookup the values.

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

The merged reports look great. I believe the only orientation changes are to "unmerge" the following six reports:

31 Keystone Receipts
15 Questar Pipeline
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

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

Mat

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

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

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

Thanks

---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM ----------------------
To: Kam Keiser/ECT, Darron C Giron/ECT, David Baumbach/ECT, Errol McLaughlin/Corp/Enron
cc: Kimat Singla, Kulvinder Fowler, David Baumbach, Errol McLaughlin,
    Kyle R Lilly, Jeff Royed, Alejandra Chavez
    Crystal Hyde

Subject: New EAST books

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

Thanks for your help on this.

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

WK

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

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

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

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

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

Dave
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');

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.

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

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

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

Marcie


Who is General Brinks Position Meeting?

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('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', 'FW: Contact Info', '-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

It's been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

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

Take Care,

Karim. ');

INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com', 'email address change', 'Hello all.
I haven't talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

Brian McGuinn');

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

Shelley');

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


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);
INSERT INTO email([from],[to],subject,body) VALUES('phillip.love@enron.com', 'todagost@utmb.edu, gbsonnta@utmb.edu', 'New President', 'I had a little bird put a word in my ear. Is there any possibility for Ben Raimer to be Bush’s secretary of HHS? Just curious about that infamous UTMB rumor mill. Hope things are well, happy holidays.
PL');
INSERT INTO email([from],[to],subject,body) VALUES('marie.heard@enron.com', 'ehamilton@fna.com', 'ISDA Master Agreement', 'Erin:
Pursuant to your request, attached are the Schedule to the ISDA Master Agreement, together with Paragraph 13 to the ISDA Credit Support Annex. Please let me know if you need anything else. We look forward to hearing your comments.

Marie

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

');
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

');
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', '
Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

');
INSERT INTO email([from],[to],subject,body) VALUES('kevin.presto@enron.com', 'edward.baughman@enron.com, billy.braddock@enron.com', 'Associated', 'Please begin working on filling our Associated short position in 02. I would like to take this risk off the books.

')
In addition, please find out what a buy-out of VEPCO would cost us. With Rogers transitioning to run our retail risk management, I would like to clean up our customer positions.

We also need to continue to explore a JEA buy-out.

Thanks.

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.

I placed the adjusted L/R Balance on the Enronwest site. It is under the "Staff/Kourtney Nelson". There are two links:

1) "Adj L_R" is the same data/format from the weekly strategy meeting.
2) "New Gen 2001_2002" link has all of the supply side info that is used to calculate the L/R balance
   -Please note the Data Flag column, a value of "3" indicates the project was cancelled, on hold, etc and is not included in the calc.

Both of these sheets are interactive Excel spreadsheets and thus you can play around with the data as you please. Also, James Bruce is working to get his gen report on the web. That will help with your access to information on new gen.

Please let me know if you have any questions or feedback,

Kourtney
Paul,

I reviewed NY''s list. I agree with all of their contracts numbers and mw amounts.

Call if you have any more questions.

Rebecca

---Original Message-----
From: Thomas, Paul D.
Sent: Monday, December 17, 2001 9:04 AM
To: Ahmed, Naveed
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
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
Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia & Dir Rpts. - 4102

Date: 1/5/2001
Time: 9:00 AM - 10:00 AM (Central Standard Time)

Chairperson: Outlook Migration Team

Detailed Description:
Justin Boyd told me that you can help me with questions regarding Chile.
We got a request for guest access through MG.
The company is called Escondida and is a subsidiary of BHP Australia.

Please advise if I can set up a guest account or not.
F.Y.I.: MG is planning to put a "in w/h Chile" contract for Copper on-line as soon as Enron has done the due diligence for this country.
Thanks!

Best regards
Diana Seifert
EOL PCG

Status last changed by: Barry L. Tycholiz
Expense Report Name: 121001
Report Total: $198.98
Amount Due Employee: $198.98
Amount Approved: $198.98
Amount Paid: $0.00
Approval Status: Approved
Payment Status: Pending

To review this expense report, click on the following link for Concur Expense.
http://expensexms.enron.com/
Australia:
1800 678-515
support@palm-au.com

Canada:
1905 305-6530
support@palm.com

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

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

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

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

bp 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:
LOG MESSAGES:

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

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

');

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

John');

INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the shower). I have had a shitty week--I suspect my silence (not only to you, but others) after our phone call is a result of the week. I'm seeing Glen at 11:15....talk to you');

INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', ", "Lite Bytz RSVP', "
This week"s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

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

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

Click below for more details.
do_test fts1c-1.2 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark'
  }
} {6 17 25 38 40 42 73 74}
do_test fts1c-1.3 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan'
  }
} {24 40}
do_test fts1c-1.4 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  }
} {40}
do_test fts1c-1.5 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'susan mark'
  }
} {40}
do_test fts1c-1.6 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark susan'
  }
} {}
do_test fts1c-1.7 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark -susan'
  }
} {6 17 25 38 42 73 74}
do_test fts1c-1.8 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH '-mark susan'
  }
} {24}
do_test fts1c-1.9 {
  
execsql {
    SELECT rowid FROM email WHERE email MATCH 'mark OR susan'
  }
} { }
# Some simple tests of the automatic "offsets(email)" column. In the sample
data set above, only one message, number 20, contains the words
"gas" and "reminder" in both body and subject.

#
do_test fts1c-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
  }
} {20 [2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts1c-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {20 [2 0 42 3 2 1 54 8 3 1 54 8]}
do_test fts1c-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 [2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}
do_test fts1c-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 [2 0 42 3 2 1 54 8]}
do_test fts1c-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 [3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3]}

# Document 32 contains 5 instances of the world "child". But only
# 3 of them are paired with "product". Make sure only those instances
# that match the phrase appear in the offsets(email) list.
#
do_test fts1c-3.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
  }
} {32 [3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7]}
do_test fts1c-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
  }
} {32 [ 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 ]}

# Snippet generator tests
#
do_test fts1c-4.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {[Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b> ]}
do_test fts1c-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
} {[<b>...</b> place.? What do you think about going here <b>Christmas</b> eve?? They have an 11:00 a.m. service and a <b>candlelight</b> service at 5:00 p.m., among others. <b>...</b> ]}
do_test fts1c-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {[EOL-Accenture <b>Deal</b> <b>Sheet</b> <b>...</b> intent
    Review Enron asset base for <b>potential</b> <b>reuse</b>/ licensing
    Contract negotiations <b>...<b> ]}
do_test fts1c-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {[EOL-Accenture <<<Deal>>> <<<Sheet>>> intent
    Review Enron asset base for <<<potential>>> <<<reuse>>>/ licensing
    Contract negotiations ]}
do_test fts1c-4.5 {
  execsql {
    SELECT snippet(email,'<<','>>,') FROM email
    WHERE email MATCH 'first things'
  }
} {[Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now on the ]}
do_test fts1c-4.6 {
  execsql
SELECT snippet(email) FROM email
   WHERE email MATCH 'chris is here'
}
} {{<b>chris</b>.germany@enron.com <b>...</b> Sounds good to me. I bet this <b>is</b> next to the Warick?? Hotel. <b>...</b> place.? What do you think about going <b>here</b> Christmas eve?? They have an 11:00 a.m. <b>...</b> }}
do_test fts1c-4.7 {
execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH "pursuant to"
}
} {{Erin:
Pursuant<b>to</b> your request, attached are the Schedule to <b>...</b> }}
do_test fts1c-4.8 {
execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH 'ancillary load davis'
}
} {{pete.<b>davis</b>@enron.com <b>...</b> Start Date: 4/22/01; HourAhead hour: 3; No <b>ancillary</b> schedules awarded.
   Variances detected.
   Variances detected in <b>Load</b> schedule.
   LOG MESSAGES:
   PARSING <b>...</b> }}

# Combinations of AND and OR operators:
#
do_test fts1c-5.1 {
execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH 'questar enron OR com'
}
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}
do_test fts1c-5.2 {
execsql {
   SELECT snippet(email) FROM email
   WHERE email MATCH 'enron OR com questar'
}
} {{matt.smith@<b>enron</b>.<b>com</b> <b>...</b> six reports:
31 Keystone Receipts
15 <b>Questar</b> Pipeline
40 Rockies Production
22 West_2 <b>...</b> }}

finish_test

---

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---

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

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Open Source Used In Elastic Services Controller Software 5.5.0 1486
FOR IMMEDIATE RELEASE:

SQLite Consortium Launched With Mozilla And Symbian As Charter Members

Ensures independent technical direction for world's most deployed SQL database engine

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

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

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

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

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

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

<p>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/.</p>

<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.</p>

<p>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>
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Charlotte, NC 28269<br>
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<p>About Mozilla</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.

CONTACT INFORMATION:
<p>About Symbian Limited</p>

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

Symbian licenses Symbian OS to the world’s leading handset manufacturers and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.

Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.

CONTACT INFORMATION:
Symbian Global Press Office
Karen Hamblen
+44 207 154 1707
press@symbian.com

The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

SQLite core and like the SQLite core are in the public domain. The <b><a href="th3.html">TH3</a></b> test harness is a set of proprietary tests, written in
/**
 ** Return a pointer to the "temporary page" buffer held internally
 ** by the pager. This is a buffer that is big enough to hold the
 ** entire content of a database page. This buffer is used internally
 ** during rollback and will be overwritten whenever a rollback
 ** occurs. But other modules are free to use it too, as long as
 ** no rollbacks are happening.
 */

/∗
** 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.
*/

/Open Source Used In Elastic Services Controller Software 5.5.0 1490
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.

<h3>1.2 SQLite Architect</h3>

The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.

<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>
<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.</p>

<h4>2.1.6 Custom Testing</h4>
<p>The SQLite Developers shall at Company's request set up and run acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.</p>

<h4>2.1.7 Priority Bug Fixes</h4>
<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.</p>

<h4>2.1.8 Code Quality</h4>
<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.</p>

<h4>2.1.9 Backwards Compatibility</h4>
<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently to ensure continuing bug-free correct operation and backwards compatibility with prior releases.</p>

<h4>2.1.10 Test Coverage</h4>
<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.</p>

<h4>2.1.11 Website</h4>
<p>The SQLite Developers shall maintain the SQLite website at <a href="http://www.sqlite.org/">http://www.sqlite.org/</a> in good working order and all SQLite source code shall be made freely available at such website.</p>
<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>
<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.</p>

<h4>2.2.2 Direction</h4>
<p>The SQLite Architect shall coordinate the activities of SQLite Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.</p>

<h4>2.2.3 Oversight</h4>
<p>The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.</p>

<h4>2.2.4 Continuity</h4>
<p>The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.</p>

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>
<p>Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.</p>

<h4>2.3.2 Responsible Party</h4>
<p>All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.</p>

<h4>2.3.3 Multiple Developers</h4>
<p>Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received.
from Consortium Members under this agreement.
So that support for SQLite will not be interrupted by the
disability or withdrawal of any one SQLite Developer, Hwaci will
keep at least two knowledgeable and competent SQLite Developers
on staff.</p>

<h4>2.3.4 Mentorship</h4>
<p>Hwaci shall work to encourage independent
programmers from around the world
to become familiar with SQLite internals so that there will be a
pool of talent able to support SQLite in the future.</p>

<h4>2.3.5 Audits</h4>
<p>Hwaci shall keep and maintain complete and accurate records
of the use of development funds provided by Company
and shall allow Company, or its representative, a certified
public accountant mutually acceptable to Hwaci and Company,
during office hours and at reasonable intervals, no more than
once every 12 months, to inspect and make extracts or copies
of such records solely for the purpose of ascertaining Hwaci's
compliance with the objectives and requirements of this agreement.
</p>

<h4>2.3.6 Disaster Planning</h4>
<p>Hwaci shall maintain backup copies of all
SQLite source files and documentation, current and historical,
at at least two separate locations separated from each
other and from the primary on-line SQLite repository
by at least 400 kilometers.</p>

<h4>2.3.7 Trademark</h4>
<p>Hwaci shall maintain ownership of the SQLite trademark and
the sqlite.org domain name and shall purchase bandwidth and
</p>

<h4>2.3.8 No Take-overs or Buy-outs</h4>
<p>Neither Hwaci nor the SQLite Architect shall relinquish development
control of SQLite during the term of this Agreement, by acquisition or merger
or by any other means,
except with the consent of Company.
</p>

<h4>2.3.9 New Consortium Members</h4>
<p>New Consortium Members may be accepted into the consortium from
time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.

<h4>2.3.10 Adequate Staff</h4>
Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.

<h4>2.3.11 Use Of Funds</h4>
Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>
Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".

<h4>2.4.2 Copyright Disclaimer</h4>
Company acknowledges that SQLite source code and documentation published on the [SQLite website](http://www.sqlite.org/) 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>

<p>Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.</p>

<h4>4.2.1 Disclosure Required by Law</h4>

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.
4.3 Return of Materials.

Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.

5.0 Intellectual Property

5.1 No Assignment

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

5.2 Availability and Public Domain Dedication

The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain. To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.

5.3 Trademark
Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.

6.0 Representations And Warranties

6.1 Intellectual Property Clearances.

Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.

6.2 Disclaimer.

THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

7.0 Term And Termination

7.1 Term.

This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.

7.2 Termination.

If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.
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.</p>

<h3>8.4 Severability.</h3>

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

<h3>8.5 Integration.</h3>

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

<h3>8.6 Counterparts.</h3>

<p>This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.</p>

<h3>8.7 Governing Law.</h3>

<p>This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in
North Carolina, and each party hereby consents to the personal jurisdiction thereof.

<h3>8.8 Independent Contractors.</h3>

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

<h2>9.0 Signatures</h2>

The parties have executed this Agreement below to indicate their acceptance of its terms.

<table width="100%" border="0">
<tr><td valign="top">
HWACI<br>
By:<hr>
Print Name:<hr>
Title:<hr>
</td><td width="10%"></td><td valign="top">
COMPANY<br>
By:<hr>
Print Name:<hr>
Title:<hr>
</td></tr></table>

Found in path(s):

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

/*
 ** 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.
*/

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/tclsqlite.c
* /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/test/threadtest3.c

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

2.31 0
1.23 0
1.0 0

Found in path(s):
* %%%Version

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

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

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-doc-3071700.zip-cosi-expand-archive-3t3yK59c/sqlite-doc-3071700/different.html

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

<a href="http://en.wikipedia.org/wiki/Public_Domain">public domain</a>/
the public domain and originals of
author, and all of those authors have public domain dedications
Even though SQLite is in the public domain and does not require
the public domain.  </li>
their contributions to the public domain.
in this code to the public domain. We make this dedication for the benefit

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1049079049_1591308668.43/0/sqlite-3.7.17-8.el7_7.1-1.src.rpm-cosi-expand-
archive-d7GDY6A0/sqlite-doc-3071700.zip-cosi-expand-archive-3t3yK59c/sqlite-doc-3071700/copyright.html
No license file was found, but licenses were detected in source scan.

# 2001 September 15
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
#    May you do good and not evil.
#    May you find forgiveness for yourself and forgive others.
#    May you share freely, never taking more than you give.
#
#***********************************************************************
# This file implements regression tests for SQLite library. The
# focus of this file is testing built-in functions.
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

# Create a table to work with.
#
# do_test func-0.0 {
execsql {CREATE TABLE tbl1(t1 text)}
foreach word {this program is free software} {
   execsql "INSERT INTO tbl1 VALUES('$word')"
}
execsql {SELECT t1 FROM tbl1 ORDER BY t1}
} {free is program software this}
do_test func-0.1 {
execsql {
   CREATE TABLE t2(a);
   INSERT INTO t2 VALUES(1);
   INSERT INTO t2 VALUES(NULL);
   INSERT INTO t2 VALUES(345);
   INSERT INTO t2 VALUES(NULL);
   INSERT INTO t2 VALUES(67890);
   SELECT * FROM t2;
   }
} {1 {} 345 {} 67890}

# Check out the length() function
#
# do_test func-1.0 {
execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
} {4 2 7 8 4}
do_test func-1.1 {
set r [catch {execsql {SELECT length(*) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.2 {
set r [catch {execsql {SELECT length(t1,5) FROM tbl1 ORDER BY t1}} msg]
lappend r $msg
} {1 {wrong number of arguments to function length()}}
do_test func-1.3 {
execsql {SELECT length(t1), count(*) FROM tbl1 GROUP BY length(t1)
ORDER BY length(t1)}
} {2 1 4 2 7 1 8 1}
do_test func-1.4 {
execsql {SELECT coalesce(length(a),-1) FROM t2}
} {1 -1 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 {1} 3 { } 6}
do_test func-2.10 {
execsql {SELECT substr(a,2,2) FROM t2}
Only do the following tests if TCL has UTF-8 capabilities

Put some UTF-8 characters in the database

```
do_test func-3.0 {
    execsql {DELETE FROM tbl1}
    foreach word "contains UTF-8 characters hi\u1234ho" {
        execsql "INSERT INTO tbl1 VALUES('$word')"
    }
    execsql {SELECT t1 FROM tbl1 ORDER BY t1}
    } "UTF-8 characters contains hi\u1234ho"

do_test func-3.1 {
    execsql {SELECT length(t1) FROM tbl1 ORDER BY t1}
    } {5 10 8 5}

do_test func-3.2 {
    execsql {SELECT substr(t1,1,2) FROM tbl1 ORDER BY t1}
    } {UT ch co hi}

do_test func-3.3 {
    execsql {SELECT substr(t1,1,3) FROM tbl1 ORDER BY t1}
    } "UTF cha con hi\u1234"

do_test func-3.4 {
    execsql {SELECT substr(t1,2,2) FROM tbl1 ORDER BY t1}
    } "TF ha on i\u1234"

do_test func-3.5 {
    execsql {SELECT substr(t1,2,3) FROM tbl1 ORDER BY t1}
    } "TF- har ont i\u1234h"

do_test func-3.6 {
    execsql {SELECT substr(t1,3,2) FROM tbl1 ORDER BY t1}
    } "F- ar nt \u1234h"

do_test func-3.7 {
    execsql {SELECT substr(t1,-1,1) FROM tbl1 ORDER BY t1}
    } "-8 ra ta ho"

do_test func-3.8 {
    execsql {SELECT substr(t1,-3,2) FROM tbl1 ORDER BY t1}
    } "F- er in \u1234h"

do_test func-3.9 {
    execsql {SELECT substr(t1,-4,3) FROM tbl1 ORDER BY t1}
    } "TF- ter ain i\u1234h"

do_test func-3.99 {
    execsql {DELETE FROM tbl1}
    foreach word {this program is free software} {
```
execsql "INSERT INTO tbl1 VALUES('Sword')"
}
excsqul {SELECT t1 FROM tbl1}
} {this program is free software}
} ;# End ሴ!=u1234

# Test the abs() and round() functions.
#
ifcapable !floatingpoint {
do_test func-4.1 {
excsqul |
  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 {
excsqul |
  CREATE TABLE t1(a,b,c);
  INSERT INTO t1 VALUES(1,2,3);
  INSERT INTO t1 VALUES(2,1.2345678901234,-12345.67890);
  INSERT INTO t1 VALUES(3,-2,-5);
}
catchsql {SELECT abs(a,b) FROM t1}
} {1 {wrong number of arguments to function abs()}}
do_test func-4.2 {
catchsql {SELECT abs() FROM t1}
} {1 {wrong number of arguments to function abs()}}
ifcapable floatingpoint {
do_test func-4.3 {
catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 1.2345678901234 2}}
do_test func-4.4 {
catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 {3 12345.6789 5}}
}
ifcapable !floatingpoint {
if {[working_64bit_int]} {
do_test func-4.3 {
catchsql {SELECT abs(b) FROM t1 ORDER BY a}
} {0 {2 12345678901234 2}}
}
do_test func-4.4 {
    catchsql {SELECT abs(c) FROM t1 ORDER BY a}
} {0 [3 1234567890 5]}
}
do_test func-4.4.1 {
    execsql {SELECT abs(a) FROM t2}
} {1 [3 345] 67890}
do_test func-4.4.2 {
    execsql {SELECT abs(t1) FROM tbl1}
} {0.0 0.0 0.0 0.0 0.0}

ifcapable floatingpoint {
    do_test func-4.5 {
        catchsql {SELECT round(a,b,c) FROM t1}
    } {1 [wrong number of arguments to function round()])}
do_test func-4.6 {
        catchsql {SELECT round(b,2) FROM t1 ORDER BY b}
    } {0 [-2.0 1.23 2.0]}
do_test func-4.7 {
        catchsql {SELECT round(b,0) FROM t1 ORDER BY a}
    } {0 [2.0 1.0 -2.0]}
do_test func-4.8 {
        catchsql {SELECT round(c) FROM t1 ORDER BY a}
    } {0 [3.0 -12346.0 -5.0]}
do_test func-4.9 {
        catchsql {SELECT round(c,a) FROM t1 ORDER BY a}
    } {0 [3.0 -12345.68 -5.0]}
do_test func-4.10 {
        catchsql {SELECT x || round(c,a) || y FROM t1 ORDER BY a}
    } {0 [x3.0y x-12345.68y x-5.0y]}
do_test func-4.11 {
        catchsql {SELECT round() FROM t1 ORDER BY a}
    } {1 [wrong number of arguments to function round()])}
do_test func-4.12 {
        execsql {SELECT coalesce(round(a,2),'nil') FROM t2}
    } {1.0 nil 345.0 nil 67890.0}
do_test func-4.13 {
        execsql {SELECT round(t1,2) FROM tbl1}
    } {0.0 0.0 0.0 0.0 0.0}
do_test func-4.14 {
        execsql {SELECT typeof(round(5.1,1));}
    } {real}
do_test func-4.15 {
        execsql {SELECT typeof(round(5.1));}
    } {real}
do_test func-4.16 {
        catchsql {SELECT round(b,2.0) FROM t1 ORDER BY b}
    } {0 [-2.0 1.23 2.0]}
# Verify some values reported on the mailing list.
# Some of these fail on MSVC builds with 64-bit long doubles, but not on GCC builds with 80-bit long doubles.
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.5 + $i]
    set x2 [expr 40223.0 + $i]
    do_test func-4.17.$i {
        execsql {SELECT round($x1);}
    } $x2
}
for {set i 1} {$i<999} {incr i} {
    set x1 [expr 40222.05 + $i]
    set x2 [expr 40222.10 + $i]
    do_test func-4.18.$i {
        execsql {SELECT round($x1,1);}
    } $x2
}
for {set i 1} {$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(40225.4999999999,$i);}
    } {40225.4999999999}
}
do_test func-4.29 {
  execsql {SELECT round(1234567890.5);}
} {1234567891.0}
do_test func-4.30 {
  execsql {SELECT round(12345678901.5);}
} {12345678902.0}
do_test func-4.31 {
  execsql {SELECT round(123456789012.5);}
} {123456789013.0}
do_test func-4.32 {
  execsql {SELECT round(1234567890123.5);}
} {1234567890124.0}
do_test func-4.33 {
  execsql {SELECT round(12345678901234.5);}
} {12345678901235.0}
do_test func-4.34 {
  execsql {SELECT round(1234567890123.35,1);}
} {1234567890123.4}
do_test func-4.35 {
  execsql {SELECT round(1234567890123.445,2);}
} {1234567890123.45}
do_test func-5.1 {
  execsql {SELECT upper(t1) FROM tbl1}
} {this program is free software}
do_test func-5.2 {
  execsql {SELECT lower(upper(t1)) FROM tbl1}
} {this program is free software}
do_test func-5.3 {
  execsql {SELECT upper(a), lower(a) FROM t2}
} {1 1 {} {} 345 345 {} {} 67890 67890}
ifcapable !icu {
  do_test func-5.4 {
    catchsql {SELECT upper(a,5) FROM t2}
} {1 (wrong number of arguments to function upper())}

do_test func-5.5 {
catchsql {SELECT upper(*) FROM t2}
} {1 {wrong number of arguments to function upper()}}

# Test the coalesce() and nullif() functions
#
do_test func-6.1 {
execsql {SELECT coalesce(a,'xyz') FROM t2}
} {1 xyz 345 xyz 67890}
do_test func-6.2 {
execsql {SELECT coalesce(upper(a),'nil') FROM t2}
} {1 nil 345 nil 67890}
do_test func-6.3 {
execsql {SELECT coalesce(nullif(1,1),'nil')}
} {nil}
do_test func-6.4 {
execsql {SELECT coalesce(nullif(1,2),'nil')}
} {1}
do_test func-6.5 {
execsql {SELECT coalesce(nullif(1,NULL),'nil')}
} {1}

# Test the last_insert_rowid() function
#
do_test func-7.1 {
execsql {SELECT last_insert_rowid()}
} [db last_insert_rowid]

# Tests for aggregate functions and how they handle NULLs.
#
ifcapable floatingpoint {
do_test func-8.1 {
ifcapable explain {
execsql {EXPLAIN SELECT sum(a) FROM t2;}
}
execsql {
SELECT sum(a), count(a), round(avg(a),2), min(a), max(a), count(*) FROM t2;
} {68236 3 22745.33 1 67890 5}
}
ifcapable !floatingpoint {
do_test func-8.1 {
ifcapable explain {
execsql {EXPLAIN SELECT sum(a) FROM t2;}
}
execsql {

If you have any questions about the content, feel free to ask! 😊
SELECT sum(a), count(a), avg(a), min(a), max(a), count(*) FROM t2;
}
} {68236 3 22745.0 1 67890 5}
}
do_test func-8.2 {
execsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t2;
}
} {z+67890abcdefhijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}

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+1abcdefhijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
} 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+1abcdefhijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
do_test func-8.4 {
execsql {
    SELECT max('z'||a||'abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOP') FROM t3;
}
} {z+67890abcdefhijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZJKLMNOP}
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)
}
}
ifcapable floatingpoint {
  do_test func-8.8 {
    execsql {
      SELECT sum(x)>0.0 FROM (SELECT '9223372036' || '854775808' AS x
                          UNION ALL SELECT -9223372036850000000)
    }
    } {1}
  }
ifcapable !floatingpoint {
  do_test func-8.8 {
    execsql {
      SELECT sum(x)>0.0 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().
#
if capable bloblit {
    do_test func-9.10 {
        execsql {SELECT hex(x'00112233445566778899aAbBcCdDeEfF')}
        } {00112233445566778899AABBCCDDEEFF}
    }
set encoding [db one {PRAGMA encoding}]
if {$encoding=="UTF-16le"} {
    do_test func-9.11-utf16le {
        execsql {SELECT hex(replace('abcdefg','ef','12'))}
        } {6100620063006400310032006700}
    do_test func-9.12-utf16le {
        execsql {SELECT hex(replace('abcdefg','"','12'))}
        } {6100620063006400650066006700}
    do_test func-9.13-utf16le {
        execsql {SELECT hex(replace('aadefg','a','aaa'))}
        } {610061006100610066006700}
} elseif {$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('aadefg','a','aaa'))}
        } {6161616161626364656667}
} 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('aadefg','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 S::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',
            '1234567890', 'hello', NULL,
            'world', NULL)
        )
    } {1 {result should be one of: string int int64 double null value}}
}
'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(*);
}
}
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;
    }
# 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;
}
}
# 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 {
    execsql {
        CREATE TABLE tbl2(a, b);
    }
    set STMT [sqlite3_prepare $::DB "INSERT INTO tbl2 VALUES(?, ?)" -1 TAIL]
    sqlite3_bind_blob $::STMT 1 abc 3
    sqlite3_step $::STMT
sqlite3_finalize $::STMT
execsql {
    SELECT quote(a), quote(b) FROM tbl2;
}
} {X'616263' NULL}

# Correctly handle function error messages that include %. Ticket #1354
#
do_test func-17.1 {
    proc testfunc1 args {error "Error %d with %s percents %p"}
    db function testfunc1 ::testfunc1
    catchsql {
        SELECT testfunc1(1,2,3);
    }
} {1 {Error %d with %s percents %p}}

# The SUM function should return integer results when all inputs are integer.
#
do_test func-18.1 {
    execsql {
        CREATE TABLE t5(x);
        INSERT INTO t5 VALUES(1);
        INSERT INTO t5 VALUES(-99);
        INSERT INTO t5 VALUES(10000);
        SELECT sum(x) FROM t5;
    }
} {9902}
ifcapable floatingpoint {
do_test func-18.2 {
    execsql {
        INSERT INTO t5 VALUES(0.0);
        SELECT sum(x) FROM t5;
    }
} {9902.0}
}

# The sum of nothing is NULL. But the sum of all NULLs is NULL.
#
# The TOTAL of nothing is 0.0.
#
do_test func-18.3 {
    execsql {
        DELETE FROM t5;
        SELECT sum(x), total(x) FROM t5;
    }
} {{} 0.0}
do_test func-18.4 {
    execsql {

INSERT INTO t5 VALUES(NULL);
SELECT sum(x), total(x) FROM t5
}
} {{} 0.0}
do_test func-18.5 {
execsql {
    INSERT INTO t5 VALUES(NULL);
    SELECT sum(x), total(x) FROM t5
}
} {{} 0.0}
do_test func-18.6 {
execsql {
    INSERT INTO t5 VALUES(123);
    SELECT sum(x), total(x) FROM t5
}
} {123 123.0}
dod_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 {

# Ticket #1664, #1669, #1670, #1674: An integer overflow on SUM causes
# an error. The non-standard TOTAL() function continues to give a helpful
# result.
#
# do_test func-18.10 {
#execsql {
#    CREATE TABLE t6(x INTEGER);
#    INSERT INTO t6 VALUES(1);
#    INSERT INTO t6 VALUES(1<<62);
#    SELECT sum(x) - ((1<<62)+1) from t6;
#}
#} 0
#do_test func-18.11 {
#execsql {
#    SELECT typeof(sum(x)) FROM t6
#}
#} integer
#ifcapable floatingpoint {
do_test func-18.12 {
catchsql {
    INSERT INTO t6 VALUES(1<<62);
    SELECT sum(x) - ((1<<62)*2.0+1) from t6;
}
} {1 {integer overflow}}
do_test func-18.13 {
execsql {
    SELECT total(x) - ((1<<62)*2.0+1) FROM t6
}
} 0.0
}
#ifcapable !floatingpoint {
do_test func-18.12 {
catchsql {
  INSERT INTO t6 VALUES(1<<62);
  SELECT sum(x) - ((1<<62)*2+1) from t6;
}
} {1 {integer overflow}}
do_test func-18.13 {
execsql {
  SELECT total(x) - ((1<<62)*2+1) FROM t6
}
} 0.0

if {
[winding_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 {
[winding_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);
} {0 -9223372036854775797}
}
SELECT -10 AS x);
}
} 1 {integer overflow}
do_test func-18.19 {
catchsql {
    SELECT sum(x) FROM (SELECT 9 AS x UNION ALL SELECT -10 AS x);
}
} 0 -1
do_test func-18.20 {
catchsql {
    SELECT sum(x) FROM (SELECT -9 AS x UNION ALL SELECT 10 AS x);
}
} 0 1
do_test func-18.21 {
catchsql {
    SELECT sum(x) FROM (SELECT -10 AS x UNION ALL SELECT 9 AS x);
}
} 0 -1
do_test func-18.22 {
catchsql {
    SELECT sum(x) FROM (SELECT 10 AS x UNION ALL SELECT -9 AS x);
}
} 0 1

};# if capable compound&&subquery

# Integer overflow on abs()
#
if {{working_64bit_int}} {
do_test func-18.31 {
catchsql {
    SELECT abs(-9223372036854775807);
}
} 0 9223372036854775807
}
do_test func-18.32 {
catchsql {
    SELECT abs(-9223372036854775807-1);
}
} 1 {integer overflow}}

# The MATCH function exists but is only a stub and always throws an error.
#
do_test func-19.1 {
execsql {
    SELECT match(a,b) FROM t1 WHERE 0;
}
} {}
do_test func-19.2 {
catchsql {
   SELECT 'abc' MATCH 'xyz';
}
} {1 {unable to use function MATCH in the requested context}}
do_test func-19.3 {
catchsql {
   SELECT 'abc' NOT MATCH 'xyz';
}
} {1 {unable to use function MATCH in the requested context}}
do_test func-19.4 {
catchsql {
   SELECT match(1,2,3);
}
} {1 {wrong number of arguments to function match()}}

# Soundex tests.
#
if {![catch {db eval {SELECT soundex('hello')}}]} {
   set i 0
   foreach {name sdx} {
      euler    E460
      EULER    E460
      Euler    E460
      ellery   E460
      gauss    G200
      ghosh    G200
      hilbert  H416
      Heilbronn H416
      knuth    K530
      kant     K530
      Lloyd    L300
      LADD     L300
      Lukasiewicz L222
      Lissajous L222
      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");
    }
} {0123456789012345678901234567890123456789012345678901234567890123456789}

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));
        }
    }
}
# 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 'xyz'}}
do_test func-22.8 {
execsql {SELECT ltrim('  hi ','xyz');}
} {{hi 'xyz'}}
do_test func-22.9 {
execsql {SELECT rtrim('  hi ','xyz');}
} {{hi 'xyz'}}
do_test func-22.10 {
execsql {SELECT trim('xyxzy  hi  zzzy','xyz');}
} {{xyxzy '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  '}}
do_test func-22.13 {
execsql {SELECT trim(' hi ',';')} 
} {{hi }}
do_test func-22.14 {
execsql {SELECT hex(trim(x'c280e1bfbff48fbf6869',x'6162e1bfbfc280'))} 
}
do_test func-22.15 {
  execsql {SELECT hex(trim(x'6869c280e1bfbff48fbfbf61',
                     x'6162e1bfbfc280f48fbbf'))}

} {6869}
do_test func-22.16 {
  execsql {SELECT hex(trim(x'ceb1ceb2ceb3',x'ceb1'));}
} {CEB2CEB3}
}
do_test func-22.20 {
  execsql {SELECT typeof(trim(NULL));}
} {null}
do_test func-22.21 {
  execsql {SELECT typeof(trim(NULL,'xyz'));}
} {null}
do_test func-22.22 {
  execsql {SELECT typeof(trim('hello',NULL));}
} {null}

# This is to test the deprecated sqlite3_aggregate_count() API.
#
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
} 
} {thisprogramisfreesoftware}
do_test func-24.6 {
execsql {
    SELECT 'BEGIN-'||group_concat(t1) FROM tbl1
} 
} {BEGIN-this,program,is,free,software}

# Ticket #3179: Make sure aggregate functions can take many arguments.
# None of the built-in aggregates do this, so use the md5sum() from the
# test extensions.
#
unset -nocomplain midargs
set midargs {} 
unset -nocomplain midres
set midres {} 
unset -nocomplain result
for {set i 1} {$i<[sqlite3_limit db SQLITE_LIMIT_FUNCTION_ARG -1]} {incr i} {
    append midargs ,'/$i'
    append midres /$i
    set result [md5 
        "this${midres}program${midres}is${midres}free${midres}software${midres}" ]
    set sql "SELECT md5sum(t1$midargs) FROM tbl1"
    do_test func-24.7.$i {
        db eval $::sql
    } $result
}

# Ticket #3806. If the initial string in a group_concat is an empty
# string, the separator that follows should still be present.
#
do_test func-24.8 {
execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN " " ELSE t1 END) FROM tbl1
} 
} {.program.is.free,software}
do_test func-24.9 {
execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN ' ' ELSE t1 END) FROM tbl1
} 
} {....,software}
# Ticket #3923. Initial empty strings have a separator. But initial
# NULLs do not.
#
do_test func-24.10 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN null ELSE t1 END) FROM tbl1
  } {program,is,free,software}
}

do_test func-24.11 {
  execsql {
    SELECT group_concat(CASE WHEN t1!='software' THEN null ELSE t1 END) FROM tbl1
  } {software}
}

do_test func-24.12 {
  execsql {
    SELECT group_concat(CASE t1 WHEN 'this' THEN ''
      WHEN 'program' THEN null ELSE t1 END) FROM tbl1
  } {,is,free,software}
}

# Use the test_isolation function to make sure that type conversions
# on function arguments do not effect subsequent arguments.
#
do_test func-25.1 {
  execsql {SELECT test_isolation(t1,t1) FROM tbl1}
} {this program is free software}

# Try to misuse the sqlite3_create_function() interface. Verify that
# errors are returned.
#
do_test func-26.1 {
  abuse_create_function db
} {}

# The previous test (func-26.1) registered a function with a very long
# function name that takes many arguments and always returns NULL. Verify
# that this function works correctly.
#
do_test func-26.2 {
  set a {}
  for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG} [incr i] {
    lappend a $i
  }
  db eval "
    SELECT nullx_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_123456789_12345678
do_test func-26.3 {
    set a {
        for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG+1} {incr i} {
            lappend a $i
        }
        catchsql "
            SELECT
                $a
        "
        do_test func-26.4 {
            set a {
                for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
                    lappend a $i
                }
                catchsql "
                    SELECT
                        $a
                "
                do_test func-26.5 {
                    catchsql "
                        SELECT
                            $a
                    "
                    do_test func-26.6 {
                        catchsql "
                            SELECT
                                $a
                        "
                    }
                }
            }
        }
    }
}
} {{}}
do_test func-26.4 {
    set a {
        for {set i 1} {$i<=$::SQLITE_MAX_FUNCTION_ARG-1} {incr i} {
            lappend a $i
        }
        catchsql "
            SELECT
                $a
        "
        do_test func-26.5 {
            catchsql "
                SELECT
                    $a
            "
            do_test func-26.6 {
                catchsql "
                    SELECT
                        $a
                "
            }
        }
    }
}
} {{}}
do_test func-26.5 {
    catchsql "
        SELECT
            $a
    "
    do_test func-26.6 {
        catchsql "
            SELECT
                $a
        "
    }
}
} {{}}
do_test func-26.6 {
    catchsql "
        SELECT
            $a
    "
}
do_test func-27.1 {
  catchsql {SELECT coalesce()}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.2 {
  catchsql {SELECT coalesce(1)}
} {1 {wrong number of arguments to function coalesce()}}
do_test func-27.3 {
  catchsql {SELECT coalesce(1,2)}
} {0 1}

# Ticket 2d401a94287b5
# Unknown function in a DEFAULT expression causes a segfault.
#
# do_test func-28.1 {
  db eval {
    CREATE TABLE t28(x, y DEFAULT(nosuchfunc(1)));
  }
  catchsql {
    INSERT INTO t28(x) VALUES(1);
  }
} {1 {unknown function: nosuchfunc()}}

# Verify that the length() and typeof() functions do not actually load
# the content of their argument.
#
# do_test func-29.1 {
  db eval {
    CREATE TABLE t29(id INTEGER PRIMARY KEY, x, y);
    INSERT INTO t29 VALUES(1, 2, 3), (2, NULL, 4), (3, 4.5, 5);
    INSERT INTO t29 VALUES(4, randomblob(1000000), 6);
    INSERT INTO t29 VALUES(5, "hello", 7);
  }
  db close
  sqlite3 db test.db
  sqlite3_db_status db CACHE_MISS 1
  db eval {SELECT typeof(x), length(x), typeof(y) FROM t29 ORDER BY id}
} {integer 1 integer null {} integer real 3 integer blob 1000000 integer text 5 integer}
do_test func-29.2 {
  set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x<5} {set x 1}
set x
} {1}
do_test func-29.3 {
db close
sqlite3 db test.db
sqlite3_db_status db CACHE_MISS 1
db eval {SELECT typeof(+x) FROM t29 ORDER BY id}
} {integer null real blob text}
if {[permutation] != "mmap"} {
do_test func-29.4 {
set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x>100} {set x many}
set x
} {many}
}
do_test func-29.5 {
db close
sqlite3 db test.db
sqlite3_db_status db CACHE_MISS 1
db eval {SELECT sum(length(x)) FROM t29}
} {1000009}
do_test func-29.6 {
set x [lindex [sqlite3_db_status db CACHE_MISS 1] 1]
if {$x<5} {set x 1}
set x
} {1}
do_execsql_test func-30.1 {SELECT unicode('$');} 36
do_execsql_test func-30.2 [subst {SELECT unicode('\u00A2');}] 162
do_execsql_test func-30.3 [subst {SELECT unicode('\u20AC');}] 8364
do_execsql_test func-30.4 {SELECT char(36,162,8364);} [subst {$\u00A2\u20AC}]
for {set i 1} {$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):
* /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-dNIVkuI7/sqlite-src-3071700/test/func.test

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

# 2006 October 1
#
# The author disclaims copyright to this source code. In place of
# a legal notice, here is a blessing:
#
# May you do good and not evil.
# May you find forgiveness for yourself and forgive others.
# May you share freely, never taking more than you give.
#
#*************************************************************************
# This file implements regression tests for SQLite library. The
# focus of this script is testing the FTS1 module, and in particular
# the Porter stemmer.
#
# $Id: fts1porter.test,v 1.5 2006/10/03 19:37:37 drh Exp$
#
set testdir [file dirname $argv0]
source $testdir/tester.tcl

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

# Test data for the Porter stemmer. The first word of each line
# is the input. The second word is the desired output.
#
# This test data is taken from http://www.tartarus.org/martin/PorterStemmer/
# There is no claim of copyright made on that page, but you should
# probably contact the author (Martin Porter - the inventor of the
# Porter Stemmer algorithm) if you want to use this test data in a
# commercial product of some kind. The stemmer code in FTS1 is a
# complete rewrite from scratch based on the algorithm specification
# and does not contain any code under copyright.
#
set porter_test_data {
    a a
    aaron aaron
    abaissiez abaissiez
    abandon abandon
    abandoned abandon
    abase abas
    abash abash
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# Create a full-text index to use for testing the stemmer.
#

db close
sqlite3 db :memory:
db eval {
    CREATE VIRTUAL TABLE t1 USING fts1(word, tokenize Porter);
}

foreach {pfrom pto} $porter_test_data {
do_test fts1porter-$pfrom {
    execsql {
        DELETE FROM t1_term;
        DELETE FROM t1_content;
        INSERT INTO t1(word) VALUES($pfrom);
        SELECT term FROM t1_term;
    }
} $pto
}

finish_test

Found in path(s):
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
** CAPI3REF: Configuration Options
** KEYWORDS: {configuration option}
**
** These constants are the available integer configuration options that
** can be passed as the first argument to the [sqlite3_config()] interface.
**
** New configuration options may be added in future releases of SQLite.
** Existing configuration options might be discontinued. Applications
** should check the return code from [sqlite3_config()] to make sure that
** the call worked. The [sqlite3_config()] interface will return a
** non-zero [error code] if a discontinued or unsupported configuration option
** is invoked.
**
** <dl>
** [[[SQLITE_CONFIG_SINGLETHREAD]]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Single-thread. In other words, it disables
** all mutexing and puts SQLite into a mode where it can only be used
** by a single thread. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to change the [threading mode] from its default
** value of Single-thread and so [sqlite3_config()] will return
** [SQLITE_ERROR] if called with the SQLITE_CONFIG_SINGLETHREAD
** configuration option.</dd>
**
** [[[SQLITE_CONFIG_MULTITHREAD]]] <dt>SQLITE_CONFIG_MULTITHREAD</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Multi-thread. In other words, it disables
** mutexing on [database connection] and [prepared statement] objects.
** The application is responsible for serializing access to
** [database connections] and [prepared statements]. But other mutexes
** are enabled so that SQLite will be safe to use in a multi-threaded
** environment as long as no two threads attempt to use the same
** [database connection] at the same time. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Multi-thread [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQLITE_CONFIG_MULTITHREAD configuration option.</dd>
**
** [[[SQLITE_CONFIG_SERIALIZED]]] <dt>SQLITE_CONFIG_SERIALIZED</dt>
** <dd>There are no arguments to this option. ^This option sets the
** [threading mode] to Serialized. In other words, this option enables
** all mutexes including the recursive
mutexes on [database connection] and [prepared statement] objects.
** In this mode (which is the default when SQLite is compiled with
** [SQLITE_THREADSAFE=1]) the SQLite library will itself serialize access
** to [database connections] and [prepared statements] so that the
** application is free to use the same [database connection] or the
** same [prepared statement] in different threads at the same time.
** ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** it is not possible to set the Serialized [threading mode] and
** [sqlite3_config()] will return [SQLITE_ERROR] if called with the
** SQLITE_CONFIG_SERIALIZED configuration option.</dd>
**
** [[SQLITE_CONFIG_MALLOC]]<dt>SQLITE_CONFIG_MALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure.  The argument specifies
** alternative low-level memory allocation routines to be used in place of
** the memory allocation routines built into SQLite.)^ ^SQLite makes
** its own private copy of the content of the [sqlite3_mem_methods] structure
** before the [sqlite3_config()] call returns.</dd>
**
** [[SQLITE_CONFIG_GETMALLOC]]<dt>SQLITE_CONFIG_GETMALLOC</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mem_methods] structure.  The [sqlite3_mem_methods]
** structure is filled with the currently defined memory allocation routines.)^ 
** This option can be used to overload the default memory allocation
** routines with a wrapper that 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-define page
** cache implementation is loaded using the SQLITE_CONFIG_PCACHE2 option.
** There are three arguments to this option: A pointer to 8-byte aligned
** memory, the size of each page buffer (sz), and the number of pages (N).
** The sz argument should be the size of the largest database page
** (a power of two between 512 and 32768) plus a little extra for each
** page header. ^The page header size is 20 to 40 bytes depending on
** the host architecture. ^It is harmless, apart from the wasted memory,
** to make sz a little too large. The first
** argument should point to an allocation of at least sz*N bytes of memory.
** ^SQLite will use the memory provided by the first argument to satisfy its
** memory needs for the first N pages that it adds to cache. ^If additional
** page cache memory is needed beyond what is provided by this option, then
** SQLite goes to [sqlite3_malloc()] for the additional storage space.
** The pointer in the first argument must
** be aligned to an 8-byte boundary or subsequent behavior of SQLite
** will be undefined.</dd>
**
** [[SQLITE_CONFIG_HEAP]] <dt>SQLITE_CONFIG_HEAP</dt>
** <dd> ^This option specifies a static memory buffer that SQLite will use
** for all of its dynamic memory allocation needs beyond those provided
** for by [SQLITE_CONFIG_SCRATCH] and [SQLITE_CONFIG_PAGECACHE].
** There are three arguments: An 8-byte aligned pointer to the memory,
** the number of bytes in the memory buffer, and the minimum allocation size.
** ^If the first pointer (the memory pointer) is NULL, then SQLite reverts
** to using its default memory allocator (the system malloc() implementation),
** undoing any prior invocation of [SQLITE_CONFIG_MALLOC]. ^If the
** memory pointer is not NULL and either [SQLITE_ENABLE_MEMSYS3] or
** [SQLITE_ENABLE_MEMSYS5] are defined, then the alternative memory
** allocator is engaged to handle all of SQLites memory allocation needs.
** The first pointer (the memory pointer) must be aligned to an 8-byte
** boundary or subsequent behavior of SQLite will be undefined.
** The minimum allocation size is capped at 2**12. Reasonable values
** for the minimum allocation size are 2**5 through 2**8.</dd>
**
** [[SQLITE_CONFIG_MUTEX]] <dt>SQLITE_CONFIG_MUTEX</dt>
** <dd>^(This option takes a single argument which is a pointer to an
** instance of the [sqlite3_mutex_methods] structure. The argument specifies
** alternative low-level mutex routines to be used in place
** the mutex routines built into SQLite.)^  ^SQLite makes a copy of the
** content of the [sqlite3_mutex_methods] structure before the call to
** [sqlite3_config()] returns. ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_MUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**
** [[SQLITE_CONFIG_GETMUTEX]] <dt>SQLITE_CONFIG_GETMUTEX</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** [sqlite3_mutex_methods] structure. The
** [sqlite3_mutex_methods]
** structure is filled with the currently defined mutex routines.)^  
** This option can be used to overload the default mutex allocation
** routines with a wrapper used to track mutex usage for performance
** profiling or testing, for example.  ^If SQLite is compiled with
** the [SQLITE_THREADSAFE | SQLITE_THREADSAFE=0] compile-time option then
** the entire mutexing subsystem is omitted from the build and hence calls to
** [sqlite3_config()] with the SQLITE_CONFIG_GETMUTEX configuration option will
** return [SQLITE_ERROR].</dd>
**
** [[SQLITE_CONFIG_LOOKASIDE]] <dt>SQLITE_CONFIG_LOOKASIDE</dt>
** <dd> ^(This option takes two arguments that determine the default
** memory allocation for the lookaside memory allocator on each
** [database connection]. The first argument is the
** size of each lookaside buffer slot and the second is the number of
** slots allocated to each database connection.)^  ^(This option sets the
** [<i>default</i>] lookaside size. The [SQLITE_DBCONFIG_LOOKASIDE]
** verb to [sqlite3_db_config()] can be used to change the lookaside
** configuration on individual connections.)^</dd>
**
** [[SQLITE_CONFIG_PCACHE2]] <dt>SQLITE_CONFIG_PCACHE2</dt>
** <dd> ^(This option takes a single argument which is a pointer to
** an [sqlite3_pcache_methods2] object. This object specifies the interface
** to a custom page cache implementation.)^  ^SQLite makes a copy of the
** object and uses it for page cache memory allocations.</dd>
**
** [[SQLITE_CONFIG_GETPCACHE2]] <dt>SQLITE_CONFIG_GETPCACHE2</dt>
** <dd> ^(This option takes a single argument which is a pointer to an
** [sqlite3_pcache_methods2] object. SQLite copies of the current
** page cache implementation into that object.)^</dd>
**
**[SQLITE_CONFIG_LOG]** <dt>SQLITE_CONFIG_LOG</dt>
**<dd> The SQLITE_CONFIG_LOG option is used to configure the SQLite global error log. **

*The SQLITE_CONFIG_LOG option takes two arguments: a pointer to a **
*function with a call signature of void(*)(void*,int,const char*), **
*and a pointer to void. *If the function pointer is not NULL, it is **
*invoked by [sqlite3_log()] to process each logging event. *If the **
*function pointer is NULL, the [sqlite3_log()] interface becomes a no-op. **
*The void pointer that is the second argument to SQLITE_CONFIG_LOG is **
passed through as the first parameter to the application-defined logger **
*function whenever that function is invoked. *The second parameter to **
*the logger function is a copy of the first parameter to the corresponding **
*[sqlite3_log()] call and is intended to be a [result code] or an **
*[extended result code]. *The third parameter passed to the logger is **
*log message after formatting via [sqlite3_snprintf()]. **
The SQLite logging interface is not reentrant; the logger function **
supplied by the application must not invoke any SQLite interface. **
*In a multi-threaded application, the application-defined logger **
*function must be threadsafe. </dd>

**

**[SQLITE_CONFIG_URI]** <dt>SQLITE_CONFIG_URI</dt>
**<dd> This option takes a single argument of type int. If non-zero, then **
*URI handling is globally enabled. If the parameter is zero, then URI handling **
is globally disabled. If URI handling is globally enabled, all filenames **
passed to [sqlite3_open()], [sqlite3_open_v2()], [sqlite3_open16()] or **
specified as part of [ATTACH] commands are interpreted as URIs, regardless **
of whether or not the [SQLITE_OPEN_URI] flag is set when the database **
*connection is opened. If it is globally disabled, filenames are **
*only interpreted as URIs if the SQLITE_OPEN_URI flag is set when the **
*database connection is opened. By default, URI handling is globally **
*disabled. The default value may be changed by compiling with the **
*[SQLITE_USE_URI] symbol defined. **

**

**[SQLITE_CONFIG_COVERING_INDEX_SCAN]** <dt>SQLITE_CONFIG_COVERING_INDEX_SCAN</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 **
*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.

This option is only available if sqlite is compiled with the
pre-processor macro defined. The first argument should
be a pointer to a function of type void(*)(void*,sqlite3*,const char*, int).
The second should be of type (void*). The callback is invoked by the library
in three separate circumstances, identified by the value passed as the
fourth parameter. If the fourth parameter is 0, then the database connection
passed as the second argument has just been opened. The third argument
points to a buffer containing the name of the main database file. If the
fourth parameter is 1, then the SQL statement that the third parameter
points to has just been executed. Or, if the fourth parameter is 2, then
the connection being passed as the second parameter is being closed. The
third parameter is passed NULL In this case. An example of using this
configuration option can be seen in the "test_sqllog.c" source file in
the canonical SQLite source tree.

This option 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.

public domain and is thus free for
# 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 transaction  
Volume Hedged
1  - 24990
2500 - 54995000
5500 - 64996000

INSERT INTO email([from],[to],subject,body) VALUES('dana.davis@enron.com', 'laynie.east@enron.com, lisa.king@enron.com, lisa.best@enron.com', 'Leaving Early', 'FYI:
If it''s ok with everyone''s needs, I would like to leave @4pm. If you think
you will need my assistance past the 4 o'clock hour just let me know: I''ll
be more than willing to stay.');

INSERT INTO email([from],[to],subject,body) VALUES('enron_update@concureworkplace.com', 'louise.kitchen@enron.com', '<<Concur Expense Document>> - CC02.06.02', 'The following expense report is ready
for approval:

Employee Name: Christopher F. Calger
Status last changed by: Mollie E. Gustafson Ms
Expense Report Name: CC02.06.02
Report Total: $3,972.93
Amount Due Employee: $3,972.93

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

INSERT INTO email([from],[to],subject,body) VALUES('jeff.duff@enron.com', 'julie.johnson@enron.com', 'Work
request', 'Julie,
Could you print off the current work request report by 1:30 today?

Gentlemen,

I''d like to review this today at 1:30 in our office. Also, could you provide
me with your activity reports so I can have Julie enter this information.

JD);

INSERT INTO email([from],[to],subject,body) VALUES('v.weldon@enron.com', 'gary.l.carrier@usa.dupont.com, scott.joyce@bankofamerica.com', 'Enron News', 'This could turn into something big....
http://biz.yahoo.com/rf/010129/n29305829.html');

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

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

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

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

I spoke to Max and he agrees with this approach.

I hope this meets with your approval.

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

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

Your cooperation is greatly appreciated.

Thanks,

lachandra.fenceroy@enron.com
713.853.3884
877.498.3401 Pager

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

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

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

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

Wendy);

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

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

Thanks,

Dan

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

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

Thanks,

Fran Fagan
Sr. HR Rep
713.853.5219

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

');

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

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

BERT');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com', 'john.arnold@enron.com, bilal.bajwa@enron.com, john.griffith@enron.com,', 'TRV Notification: (NG - PROPT P/L - 09/27/2001)', 'The report named: NG - PROPT P/L <http://trv.corp.enron.com/linkFromExcel.asp?report_cd=11&report_name=NG+-+PROPT+P/L&category_cd=5&category_name=FINANCIAL&toe_hide=1&sTV1=5&TV1Exp=Y&current_efct_date=09/27/2001>, published as of 09/27/2001 is now available for viewing on the website.);

INSERT INTO email([from],[to],subject,body) VALUES('patrice.mims@enron.com', 'calvin.eakins@enron.com', 'Re: Small business supply assistance', 'Hi Calvin

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

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

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

Jim

');
INSERT INTO email([from],[to],subject,body) VALUES('gelliott@industrialinfo.com', 'pcopello@industrialinfo.com', 'ECAAR (Gavin), WSCC (Diablo Canyon), & NPCC (Seabrook)', 'Dear Power Outage Database Customer,

Attached you will find an excel document. The outages contained within are forced or rescheduled outages. Your daily delivery will still contain these outages.

In addition to the two excel documents, there is a dbf file that is formatted like your daily deliveries you receive nightly. This will enable you to load the data into your regular database. Any questions please let me know. Thanks.

Greg Elliott
IIR, Inc.
713-783-5147 x 3481
outages@industrialinfo.com

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

You are invited to attend the EWS Brown Bag Lunch Series

Featuring: RAY BOWEN, COO

Topic: Enron Industrial Markets

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

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

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

<i>&lt;&lt;About St Pauls.url&gt;&gt;</i>

?<i>
?http://www.stpaulshouston.org/about.html</i>

Chris,

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

Let me know.?? ii

- About St Pauls.url

');

INSERT INTO email([from],[to],subject,body) VALUES('nas@cpuc.ca.gov', 'skatz@sempratrading.com, kmccrea@sablaw.com, thompson@wrightlaw.com', 'Reply Brief filed July 31, 2000', '- CPUC01-#76371-v1-Revised_Reply_Brief__Due_today_7_31_.doc');

INSERT INTO email([from],[to],subject,body) VALUES('gascontrol@aglresources.com', 'dscott4@enron.com, lcampbel@enron.com', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder', 'Alert Posted 10:00 AM November 20,2000: E-GAS Request Reminder
As discussed in the Winter Operations Meeting on Sept.29,2000, E-Gas(Emergency Gas) will not be offered this winter as a service from AGLC. Marketers and Poolers can receive gas via Peaking and IBSS nominations(daisy chain) from other marketers up to the 6 p.m. Same Day 2 nomination cycle.

');

INSERT INTO email([from],[to],subject,body) VALUES('dutch.quigley@enron.com', 'rwolkwitz@powermerchants.com', "", '')

Here is a goody for you);

INSERT INTO email([from],[to],subject,body) VALUES('ryan.o’rourke@enron.com', 'k..allen@enron.com, randy.bhatia@enron.com, frank.ermis@enron.com', 'TRV Notification: (West VaR - 11/07/2001)', 'The report named: West VaR
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
40 Rockies Production
22 West_2
23 West_3
25 CIG_WIC

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

Mat

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

INSERT INTO email([from],[to],subject,body) VALUES('michelle.lokay@enron.com', 'jimboman@bigfoot.com',
'Egyptian Festival', '---------------------- Forwarded by Michelle Lokay/ET&S/Enron on 09/07/2000
10:08 AM ---------------------------

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

Subject: Egyptian Festival

<<Egyptian Festival.url>>

http://www.egyptianfestival.com/

- Egyptian Festival.url

');

INSERT INTO email([from],[to],subject,body) VALUES('errol.mclaughlin@enron.com',
'sherry.dawson@enron.com', 'Urgent!!! --- New EAST books', 'This has to be done..............................

Thanks
---------------------- Forwarded by Errol McLaughlin/Corp/Enron on 12/20/2000
08:39 AM ---------------------------
From: William Kelly @ ECT 12/20/2000 08:31 AM

To: Kam Keiser/HOU/ECT@ECT, Darron C Giron/HOU/ECT@ECT, David Baumbach/HOU/ECT@ECT, Errol McLaughlin/Corp/Enron@ENRON
cc: Kimat Singla/HOU/ECT@ECT, Kulvinder Fowler/NA/Enron@ENRON, Kyle R Lilly/HOU/ECT@ECT, Jeff Royed/Corp/Enron@ENRON, Alejandra Chavez/NA/Enron@ENRON, Crystal Hyde/HOU/ECT@ECT

Subject: New EAST books

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

Thanks for your help on this.

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

WK

An inactive Child with links to Parent products will not have their calculated prices updated until the Child product is Activated.

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

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

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

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

Dave'});
Light reading - see pieces beginning on page 7, 'John,

I saw it. Very interesting.

Vince

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

Cheers and have a nice weekend,

JHHerbert

- gd000728.pdf

');
INSERT INTO email([from],[to],subject,body) VALUES('matthew.lenhart@enron.com',
'mmmarcantel@equiva.com', 'RE: ', 'i will try to line up a pig for you ');
INSERT INTO email([from],[to],subject,body) VALUES('jae.black@enron.com', 'claudette.harvey@enron.com,
chaun.roberts@enron.com, judy.martinez@enron.com, ', 'Disaster Recovery Equipment', 'As a reminder...there are
several pieces of equipment that are set up on the 30th Floor, as well as on our floor, for the Disaster Recovery
Team. PLEASE DO NOT TAKE, BORROW OR USE this equipment. Should you need to use another computer
system, other than yours, or make conference calls please work with your Assistant to help find or set up equipment
for you to use.

Thanks for your understanding in this matter.

T.Jae Black
East Power Trading
Assistant to Kevin Presto
off. 713-853-5800
fax 713-646-8272
cell 713-539-4760');
INSERT INTO email([from],[to],subject,body) VALUES('eric.bass@enron.com', 'dale.neuner@enron.com', '5 X
24', 'Dale,
Have you heard anything more on the 5 X 24s? We would like to get this product out ASAP.

Thanks,

Eric

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

Dear SmartReminders Member,

[IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE][IMAGE]

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: 594D37C9ED211D5B452

Open Source Used In Elastic Services Controller Software 5.5.0 2041
Submitted On: 12/13/01

You are only allowed 2 reports with receipts outstanding. Your expense reports will not be paid until you meet this requirement.

Sue Mara
Enron Corp.
Tel: (415) 782-7802
Fax: (415) 782-7854

"Milner, Marcie" <MMilner@coral-energy.com> 06/08/2001 11:13 AM To: ""smara@enron.com"
To: 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 Position Meeting?

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  
c: 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  

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

agoddard@nisource.com on 03/08/2001 09:16:57 AM
To: "        -         *Koch, Kent" <kkoch@nisource.com>, "        -         *Millar, Debra" <dmillar@nisource.com>, "        -         *Burke, Lynn" <lburke@nisource.com>
c: "        -         *Heckathorn, Tom" <theckathorn@nisource.com>
Subject: Columbia Distribution’s Capacity Available for Release - Sum


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

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

Aaron Goddard

- 2001Summer.doc
INSERT INTO email([from],[to],subject,body) VALUES('kerrymcelroy@dwt.com', 'jack.speer@alcoa.com, crow@millernash.com, michaelearly@earthlink.net', 'Oral Argument Request', 'Oral Argument Request.doc');
INSERT INTO email([from],[to],subject,body) VALUES('mike.carson@enron.com', 'rlmichaelis@hormel.com', '', 'Did you come in town this wk end..... My new number at our house is : 713-668-3712...... my cell # is 281-381-7332
the kid');
INSERT INTO email([from],[to],subject,body) VALUES('cooper.richey@enron.com', 'trycooper@hotmail.com', 'FW: Contact Info', '-----Original Message-----
From: Punja, Karim
Sent: Thursday, December 13, 2001 2:35 PM
To: Richey, Cooper
Subject: Contact Info

Cooper,

It's been a real pleasure working with you (even though it was for only a small amount of time)
I hope we can stay in touch.

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

Take Care,

Karim.

');
INSERT INTO email([from],[to],subject,body) VALUES('bjm30@earthlink.net', 'mcguinn.k@enron.com, mcguinn.ian@enron.com, mcguinn.stephen@enron.com', 'email address change', 'Hello all.
I haven’t talked to many of you via email recently but I do want to give you
my new address for your email file:

bjm30@earthlink.net

I hope all is well.

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

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

Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

'),
INSERT INTO email([from],[to],subject,body) VALUES('andrea.ring@enron.com', 'beverly.beaty@enron.com', 'Re: Tennessee Buy - Louis Dreyfus', 'Beverly - once again thanks so much for your help on this.

'),
INSERT INTO email([from],[to],subject,body) VALUES('karolyn.criado@enron.com', 'j..bonin@enron.com, felicia.case@enron.com, b..clapp@enron.com', 'Price List week of Oct. 8-9, 2001', 'Please contact me if you have any questions regarding last weeks prices.

Thank you,
Karolyn Criado
3-9441

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.

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
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 9:04 AM
To: Ahmed, Naveed
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
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;

Description:
Demo by Martha Janousek of Dashboard & Pipeline Profile / Julia &

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/
Australia:
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support@palm-au.com

Canada:
1905 305-6530
support@palm.com

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

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

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

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

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

bp corpAlbert LaMore281-366-4962
running the reports now

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

give me a contact over there too
BP

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

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

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

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

John');
INSERT INTO email([from],[to],subject,body) VALUES('jeffrey.shankman@enron.com',
'lschiffm@jonesday.com', 'Re:', 'I saw you called on the cell this a.m. Sorry I missed you. (I was in the
shower). I have had a shitty week--I suspect my silence (not only to you,
but others) after our phone call is a result of the week. I'm seeing Glen at
11:15....talk to you');
INSERT INTO email([from],[to],subject,body) VALUES('litebytz@enron.com', ", 'Lite Bytz RSVP', '
This week’s Lite Bytz presentation will feature the following TOOLZ speaker:

Richard McDougall
Solaris 8
Thursday, June 7, 2001

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

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

Click below for more details.
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'
  }
}
Some simple tests of the automatic "offsets(email)" column. In the sample data set above, only one message, number 20, contains the words "gas" and "reminder" in both body and subject.  

```
do_test fts3ac-2.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8 3 1 54 8}}
do_test fts3ac-2.3 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE email MATCH 'body:gas reminder'
  }
} {20 {2 1 54 8 3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
do_test fts3ac-2.4 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE subject MATCH 'gas reminder'
  }
} {20 {2 0 42 3 2 1 54 8}}
do_test fts3ac-2.5 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'gas reminder'
  }
} {20 {3 0 42 3 3 1 54 8 3 0 129 3 3 0 143 3 3 0 240 3}}
```

Document 32 contains 5 instances of the world "child". But only 3 of them are paired with "product". Make sure only those instances that match the phrase appear in the offsets(email) list.  

```
do_test fts3ac-3.1 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH 'child product' AND +rowid=32
  }
} {32 {3 0 94 5 3 0 114 5 3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7 3 1 493 7}}
```
do_test fts3ac-3.2 {
  execsql {
    SELECT rowid, offsets(email) FROM email
    WHERE body MATCH "child product"
  }
} {{32 [3 0 207 5 3 1 213 7 3 0 245 5 3 1 251 7 3 0 409 5 3 1 415 7]}}

# Snippet generator tests
#

# do_test fts3ac-4.1 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'subject:gas reminder'
  }
} {{[Alert Posted 10:00 AM November 20,2000: E-<b>GAS</b> Request <b>Reminder</b> ]}}
do_test fts3ac-4.2 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'christmas candlelight'
  }
} {{<b>...</b>here <b>Christmas</b><b>eve</b>?? They have an 11:00 a.m. service and a <b>candlelight</b><b>service</b>...}}
do_test fts3ac-4.3 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {{[EOL-Accenture <b>Deal</b><b>Sheet</b><b>...asset base for <b>potential</b><b>reuse</b>/ licensing
    Contract negotiations<b>...</b>]}}
do_test fts3ac-4.4 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'deal sheet potential reuse'
  }
} {{[EOL-Accenture <<<Deal>>> <<<Sheet>>> asset base for <<<potential>>> <<<reuse>>>/ licensing
    Contract negotiations ]}}
do_test fts3ac-4.5 {
  execsql {
    SELECT snippet(email,'<<<','>>>',' ') FROM email
    WHERE email MATCH 'first things'
  }
} {{[Re: <<<First>>> Polish Deal! Congrats! <<<Things>>> seem to be building rapidly now ]}}
do_test fts3ac-4.6 {
  execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'chris is here'
  }
}
\begin{verbatim}
} {{chris\@enron.com" \textless/chris\textless/h\textless/h>next
to\textless/h\textless/h>about going \textless/h\textless/h>Christmas
eve\textless/h\textless/h>}}
do_test fts3ac-4.7 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH "pursuant to"
}
} {{Erin:
\textless/h>Pursuant\textless/h> to\textless/h> your request, attached are the Schedule to the ISDA Master Agreement,
together\textless/h\textless/h>}}
do_test fts3ac-4.8 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'ancillary load davis'
}
} {{pete.\textless/h>davis\textless/h>@enron.com...\textless/h>3; No \textless/h>ancillary\textless/h> schedules awarded\textless/h\textless/h>detected in\textless/h>Load\textless/h> schedule.

\textless/h>LOG\textless/h>}}

# Combinations of AND and OR operators:
#
do_test fts3ac-5.1 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'questar enron OR com'
}
} {{matt.smith@enron.com...\textless/h>31 Keystone Receipts
15 \textless/h>Questar\textless/h> Pipeline
40 Rockies\textless/h>...\textless/h>}}
do_test fts3ac-5.2 {
execsql {
    SELECT snippet(email) FROM email
    WHERE email MATCH 'enron OR com questar'
}
} {{matt.smith@enron.com...\textless/h>31 Keystone Receipts
15 \textless/h>Questar\textless/h> Pipeline
40 Rockies\textless/h>...\textless/h>}}

# Test a problem reported on the mailing list.
#
do_test fts3ac-6.1 {
execsql {
    CREATE VIRTUAL TABLE ft USING fts3(one, two);
\end{verbatim}
INSERT INTO ft VALUES('', 'foo');
INSERT INTO ft VALUES('foo', 'foo');
SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
}
} {{1 0 0 3} {0 0 3 1 0 0 3}}
do_test fts3ac-6.2 {
execsql {
    DELETE FROM ft WHERE one = 'foo';
    SELECT offsets(ft) FROM ft WHERE ft MATCH 'foo';
}
} {{1 0 0 3}}
finish_test

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<body bgcolor="white">
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)print dup( )cvs print

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1.156 spring-boot 1.5.18.RELEASE

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* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2.jar/org/springframework/boot/bind/PropertySourcesBinder.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2.jar/org/springframework/boot/info/BuildProperties.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2.jar/org/springframework/boot/context/embedded/Compression.java
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* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/jackson/JsonComponent.java
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* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/web/servlet/package-info.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/orm/jpa/hibernate/SpringJtaPlatform.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/orm/jpa/hibernate/SpringImplicitNamingStrategy.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/web/servlet/WebListenerHandler.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/diagnostics/analyzer/AbstractInjectionFailureAnalyzer.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/diagnostics/FailureAnalysisReporter.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/diagnostics/analyzer/ConnectorStartFailureAnalyzer.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/diagnostics/AbstractFailureAnalyzer.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/jta/bitmapx/PoolingDataSourceBean.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2.jar/org/springframework/boot/context/event/ApplicationStartedEvent.java
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* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/jta/atomikos/AtomikosXADataSourceWrapper.java
* /opt/cola/permits/1137623252_1614109124.44/0/spring-boot-1-5-18-release-sources-2-jar/org/springframework/boot/jta/atomikos/AtomikosXAConnectionFactoryWrapper.java
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* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2.jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java

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  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ExpressionPointcut.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ExpressionPointcut.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java

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  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/RuntimeTestWalker.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java
  */opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
  jar/org/springframework/aop/support/ClassFilters.java

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jar/org/springframework/aop/IntroductionInfo.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/target/HotSwappableTargetSource.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/support/AbstractPointcutAdvisor.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/DynamicIntroductionAdvice.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/MethodLocatingFactoryBean.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/target/SimpleBeanTargetSource.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/AopInvocationException.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/target/LazyInitTargetSource.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/DefaultPointcutAdvisor.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/aspectj/AspectJAopUtils.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/PointcutEntry.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/aspectj/AspectJAopUtils.java

* /opt/cola/permits/1137623481_1614109322.33/0/spring-aop-4-3-21-release-sources-2-
jar/org/springframework/aop/config/PointcutComponentDefinition.java
1.159 flyway-core 5.0.7

1.160 pinentry 0.8.1 17.el7
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collect/FluentIterable.java  
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/base/CharMatcher.java  
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCheckedFuture.java  
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/primitives/Longs.java

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

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/escape/CharEscaperBuilder.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/io/PatternFilenameFilter.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/BaseGraph.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableSet.java
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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable} key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy version.
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link \ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/cache/package-info.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/base/PairwiseEquivalence.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/ExecutionError.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/cache/AbstractCache.java
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*/
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/package-info.java
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  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/SingletonImmutableTable.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableAsList.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ComparisonChain.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedMap.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableSetMultimap.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/SingletonImmutableList.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ComputationException.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/DiscreteDomain.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/AbstractIndexedListIterator.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableEnumSet.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ArrayTable.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableClassToInstanceMap.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/RegularImmutableList.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/ForwardingTable.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/RegularImmutableSortedSet.java
  */opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
  jar/com/google/common/collection/EmptyImmutableSetMultimap.java

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/*
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/FilteredKeyListMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/AbstractNavigableMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/RangeMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/RangeMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/CompactHashMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/TransformedListIterator.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/CompactSortedSetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/AbstractSortedSetMultimap.java
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jar/com/google/common/collection/TreeRangeMap.java
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jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/ImmutableEnumMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/RegularImmutableAsList.java
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jar/com/google/common/collection/ForwardingNavigableSet.java
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jar/com/google/common/collection/ForwardingDeque.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/FilteredSetMultimap.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/TransformedIterator.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/AllEqualOrdering.java

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/collection/LongAdder.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/common/cache/LongAdder.java
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jar/com/google/common/cache/Striped64.java
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jar/com/google/common/hash/Striped64.java

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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODo(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/util/concurrent/Platform.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-
jar/com/google/commoncollect/RangeSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/commoncollect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/commoncollect/AbstractRangeSet.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/commoncollect/SortedIterables.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/commoncollect/ImmutableSortedMultiset.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/commoncollect/Count.java

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 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/UndirectedNetworkConnections.java
* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableMutableNetwork.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/EdgesConnecting.java
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* /opt/cola/permits/1111245970_1606887098.53/0/guava-27-0-1-jre-sources-1-jar/com/google/common/graph/ConfigurableValueGraph.java
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* Return the web session for the current request. Always guaranteed to
* return an instance either matching to the session id requested by the
* client, or with a new session id either because the client did not
* specify one or because the underlying session had expired. Use of this
* method does not automatically create a session. See { @link WebSession}
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
  jar/org/springframework/web/util/WebAppRootListener.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
  jar/org/springframework/web/context/WebApplicationContext.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
  jar/org/springframework/web/bind/support/WebBindingInitializer.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
  jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
No license file was found, but licenses were detected in source scan.

# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
#  Internet media types should be registered as described in RFC 4288.
#  The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
#
# MIME type (lowercased)Extensions
# ==========================================================================
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/http
application/hyperstudiosk
# application/ibe-key-request+xml
# application/ibe-pkg-reply+xml
# application/ibe-pp-data
# application/iges
# application/im-iscomposing+xml
# application/index
# application/index.cmd
# application/index.obj
# application/index.response
# application/index.vnd
application/inkml+xml	ink inkml
# application/iotp
application/ipfixipfix
# application/ipp
# application/isup
# application/its+xml
application/java-archivejar
application/java-serialized-objectser
application/java-vmclass
application/javascriptjs
# application/jose
# application/jose+json
# application/jrd+json
application/jsonjson
# application/json-patch+json
# application/json-seq
application/jsonml+xmljsonml
# application/jwk+json
# application/jwk-set+json
# application/jwt
# application/kpml-request+xml
# application/kpml-response+xml
# application/ld+json
# application/lgr+xml
# application/link-format
# application/load-control+xml
application/lost+xmllostxml
# application/lostsync+xml
# application/lxf
application/mac-binhex40hqx
application/mac-compactprocpt
# application/macwriteii
application/mads+xmlmads
application/marcmrc
application/marcxml+xmlmrcx
application/mathematica nb mb
# application/soap+xml
application/sparql-query
application/sparql-results+xml
# application/spirits-event+xml
# application/sql
application/srgsgram
application/srgs+xml
application/ssdl+xml
application/ssml+xml
# 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
application/thraud+xml
# application/timestamp-query
# application/timestamp-reply
application/timestamped-data
# 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-large
application/vnd.3gpp.pic-bw-small
application/vnd.3gpp.pic-bw-var
# application/vnd.3gpp.sms
# application/vnd.3gpp.srvcc-ext+xml
application/vnd.curl.car
t# application/vnd.curl.pcurl
# application/vnd.cyan.dean.root+xml
# application/vnd.cybank
application/vnd.dart
tapplication/vnd.data-vision.rdz
t# application/vnd.debian.binary-package
application/vnd.dece.datauvf uvf uvf uvf uvf uvf
application/vnd.dece.html+xml
application/vnd.dece.unspecifieduvf uvf
application/vnd.dece.zip
application/vnd.denovo.fcselayout-linkfe_launch
t# application/vnd.desmume.movie
# application/vnd.dir-bi.plate-dl-nosuffix
# application/vnd.dm.delegation+xml
tapplication/vnd.dnan
t# application/vnd.document+json
tapplication/vnd.dolby.mlp
t# application/vnd.dolby.mobile.1
# application/vnd.dolby.mobile.2
# application/vnd.doremir.scorecloud-binary-document
application/vnd.dpgraph
application/vnd.dreamfactory
t# application/vnd.drive+json
application/vnd.ds-keypointkpxx
t# application/vnd.dtg.local
# application/vnd.dtg.local.flash
# application/vnd.dtg.local.html
application/vnd.dvb.ait
# application/vnd.dvb.dvbj
# application/vnd.dvb.esgcontainer
# application/vnd.dvb.ipdcdftnotifaccess
# application/vnd.dvb.ipdcesgaccess
# application/vnd.dvb.ipdcesgaccess2
# application/vnd.dvb.ipdcesgpdd
# application/vnd.dvb.ipdcroaming
# application/vnd.dvb.ipmv.alfec-base
# application/vnd.dvb.ipmv.alfec-enhancement
# application/vnd.dvb.notif-aggregate-root+xml
# application/vnd.dvb.notif-container+xml
# application/vnd.dvb.notif-generic+xml
# application/vnd.dvb.notif-ia-msglist+xml
# application/vnd.dvb.notif-ia-registration-request+xml
# application/vnd.dvb.notif-ia-registration-response+xml
# application/vnd.dvb.notif-init+xml
# application/vnd.dvb.pfr
application/vnd.dvb.servicesvc
# application/vnd.dxr
application/vnd.dynageogeo
# application/vnd.dzr
# application/vnd.easykaraoke.cdgdownload
# application/vnd.ecdis-update
application/vnd.ecowin.chartmag
# application/vnd.ecowin.filerequest
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# application/vnd.ecowin.series
# application/vnd.ecowin.seriesrequest
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# application/vnd.emclient.accessrequest+xml
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# application/vnd.enphase.envoy
# application/vnd.epix.data+xml
application/vnd.epson.esfesf
application/vnd.epson.msfmsf
application/vnd.epson.quickanimeqam
application/vnd.epson.saltstl
application/vnd.epson.ssfsf
# application/vnd.ericsson.quickcall
application/vnd.esigno3+xmlmes3 et3
# application/vnd.etsi.aoc+xml
# application/vnd.etsi.asic-e+xmlzip
# application/vnd.etsi.asic-s+xmlzip
# application/vnd.etsi.cug+xml
# application/vnd.etsi.iptvcommand+xml
# application/vnd.etsi.iptvdisccovery+xml
# application/vnd.etsi.iptvprofile+xml
# application/vnd.etsi.iptvsad-bc+xml
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# application/vnd.etsi.iptvsad-npvr+xml
# application/vnd.etsi.iptvservice+xml
# application/vnd.etsi.iptvsync+xml
# application/vnd.etsi.iptvueprofile+xml
# application/vnd.etsi.mcid+xml
# application/vnd.etsi.mheg5
# application/vnd.etsi.overload-control-policy-dataset+xml
# application/vnd.etsi.pstn+xml
# application/vnd.etsi.sci+xml
# application/vnd.etsi.simservs+xml
# application/vnd.etsi.timestamp-token
# application/vnd.etsi.tsl+xml
# application/vnd.etsi.tsl.dер
# application/vnd.eudora.data
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application/vnd.epix-package
# application/vnd.f-secure.mobile
# application/vnd.fastcopy-disk-image
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# application/vnd.msign
# application/vnd.multiad.creator
# application/vnd.multiad.creator.cif
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# application/vnd.ntt-local.ogw_remote-access
# application/vnd.ntt-local.sip-ta_remote
# application/vnd.ntt-local.sip-ta_tcp_stream
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Open Source Used In Elastic Services Controller Software 5.5.0  2208
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Open Source Used In Elastic Services Controller Software 5.5.0 2210
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# text/markdown
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# text/provenance-notation
# text/prs.fallenstein.rst
text/prs.lines.tagdsc
# text/prs.prop.logic
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# text/rfc822-headers
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# text/rtx
text/sgmsgm sgm
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text/tab-separated-values
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# video/3gpp-tt
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# video/bmpeg
# video/bt656
# video/celb
# video/dv
# video/encaprtp
# video/example
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# video/h263-1998
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video/mj2mj2 mj2
# video/mp1s
# video/mp2p
# video/mp2t
video/mp4mp4 mp4v mpg4
# video/mp4v-es
video/mpegmpeg mpg mpe m1v m2v
# video/mpeg4-generic
# video/mpv
# video/nv
video/oggoggv
# video/parityfec
# video/pointer
video/quicktimeqt mov
# video/raptorfec
# video/raw
# video/rtp-enc-aescm128
# video/rtploopback
# video/rtx
# video/smpte292m
# video/ulpfec
# video/vc1
# video/vnd.cctv
video/vnd.dece.hduvh uvvh
video/vnd.dece.mobileuvvm uvvm
# video/vnd.dece.mp4
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Found in path(s):
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/http/mime.types
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Found in path(s):
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/http/client/SimpleClientHttpRequestFactory.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/web/context/support/LiveBeansViewServlet.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/web/context/support/RequestAttributes.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/web/context/request/RequestAttributes.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-
jar/org/springframework/web/bind/support/WebArgumentResolver.java
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 */

Found in path(s):
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/context/request/RequestContextListener.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/context/request/HttpMediaTypeException.java
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/bind/annotation/SessionAttributes.java
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* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/web/multipart/MultipartResolver.java
* /opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2-jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java

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  */opt/cola/permits/1136375269_1613752616.93/0/spring-web-5-2-6-release-sources-2.jar/org/springframework/http/codec/multipart/MultipartHttpMessageReader.java
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Jan Holmberg, <jan@artech.net>:
o Memory framework
o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au>:
o MISC checker redesign
o Scheduler framework extension to support child process handling.
o Daemon framework extension to block SIGCHLD to only receive it when its unblocked in the scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu>:
o Added SMTP checker

Chris Caputo, <ccaputo@alt.net>:
o Added dont_track_primary, nopreempt,
preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com> :
  o Fixed shadowed declaration reported by -Wshadow.
  o Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com> :
  o Patch for u_threshold and l_threshold support.

Willy Tarreau, <w at 1wt.eu> :
  o Extended VRRP framework to support floating priority.

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1.171 x-time-rate 0.0.0

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1.181 caffeine 2.6.2
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1.191 swagger-annotations 1.5.16

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import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";
}

1.192 cyrus-sasl 2.1.27

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/* CMU libasasl
 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */

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1.193 openstacksdk 0.9.19
1.193.1 Available under license:

openstack/
    connection.py
    resource.py
    session.py
compute/
    compute_service.py
    v2/
        server.py
        _proxy.py
tests/
    compute/
    v2/
        test_server.py
clouds:
test_cloud:
    region_name: RegionOne
    auth:
        auth_url: http://xxx.xxx.xxx.xxx:5000/v2.0/
username: demo
password: secrete
project_name: demo
eexample:
  image_name: fedora-20.x86_64
  flavor_name: m1.small
  network_name: private

rackspace:
  cloud: rackspace
  auth:
    username: joe
    password: joes-password
    project_name: 123123
    region_name: IAD

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1.194 saslprep 1.1

1.195 jersey-common 2.25.1

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1.196 zlib 1.2.3

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).
*/

/* match.s -- Pentium-optimized version of longest_match()
* Written for zlib 1.1.2
* Copyright (C) 1998 Brian Raiter <breadbox@muppetlabs.com>
*
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*/

1.197 wrapt 1.12.1

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1.198 jctools-core 3.0.0

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<inceptionYear>2013</inceptionYear>

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<connection>scm:git:https://github.com/JCTools/JCTools</connection>
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<developers>
<developer>
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<url>https://github.com/mjpt777</url>
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<developer>
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</developer>
</developers>

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<java.test.version>1.8</java.test.version>

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<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
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<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
No license file was found, but licenses were detected in source scan.

1.199 cmd2 0.6.8

1.199.1 Available under license:

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Metadata-Version: 1.1
Name: cmd2
Version: 0.6.8
Summary: Extra features for standard library's cmd module
Home-page: http://packages.python.org/cmd2/
Author: Catherine Devlin
Author-email: catherine.devlin@gmail.com
License: MIT
Description: Enhancements for standard library's cmd module.

Drop-in replacement adds several features for command-prompt tools:

* Searchable command history (commands: "hi", "li", "run")
* Load commands from file, save to file, edit commands in file
* Multi-line commands
* Case-insensitive commands
* Special-character shortcut commands (beyond cmd's "@" and ")"
* Settable environment parameters
* Parsing commands with flags
* > (filename), >> (filename) redirect output to file
* < (filename) gets input from file
* bare >, >>, < redirect to/from paste buffer
* accepts abbreviated commands when unambiguous
* `py` enters interactive Python console
* test apps against sample session transcript (see example/example.py)

Useable without modification anywhere cmd is used; simply import cmd2.Cmd in place of cmd.Cmd.

Running `2to3 <http://docs.python.org/library/2to3.html>` against `"cmd2.py"` generates working, Python3-based code.

See docs at http://packages.python.org/cmd2/

Keywords: command prompt console cmd
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
Classifier: Environment :: Console
Classifier: Operating System :: OS Independent
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: System Administrators
Classifier: Programming Language :: Python
Classifier: License :: OSI Approved :: MIT License
Classifier: Topic :: Software Development :: Libraries :: Python Modules
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.0
Classifier: Programming Language :: Python :: 3.1
Classifier: Programming Language :: Python :: 3.2
Classifier: Programming Language :: Python :: 3.3

Found in path(s):
* /opt/cola/permits/1160523771_1620328648.43/0/cmd2-0-6-8-tar-gz/cmd2-0.6.8/PKG-INFO
* /opt/cola/permits/1160523771_1620328648.43/0/cmd2-0-6-8-tar-gz/cmd2-0.6.8/cmd2.egg-info/PKG-INFO
1.200 hk2-utils 2.5.0-b32

1.200.1 Available under license:
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https://glassfish.java.net/nonav/public/CDDL+GPL_1_1.html
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1.201 model 2.6.1

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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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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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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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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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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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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 (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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This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
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1.207 python-gnupg 0.4.7

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1.208 libcap-ng 0.7.5 4.el7

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1.209 jackson-databind 2.11.0

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* /opt/cola/permits/1135864284_1613618157.58/0/spring-retry-1-2-5-release-sources-1-jar/org/springframework/retry/stats/StatisticsListener.java
* /opt/cola/permits/1135864284_1613618157.58/0/spring-retry-1-2-5-release-sources-1-jar/org/springframework/retry/stats/ExponentialAverageRetryStatistics.java
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* /opt/cola/permits/1135864284_1613618157.58/0/spring-retry-1-2-5-release-sources-1-jar/org/springframework/retry/policy/CircuitBreakerRetryPolicy.java
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* /opt/cola/permits/1135864284_1613618157.58/0/spring-retry-1-2-5-release-sources-1.jar/org/springframework/retry/backoff/ThreadWaitSleeper.java
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jar/org/springframework/retry/RetryContext.java
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jar/org/springframework/retry/policy/TimeoutRetryPolicy.java
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jar/org/springframework/classify/ClassifierAdapter.java
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jar/org/springframework/retry/RetryState.java
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jar/org/springframework/retry/policy/NeverRetryPolicy.java
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  jar/org/springframework/retry/support/RetryTemplate.java
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* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/http/HeadersConfigurer.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/http/SessionCreationPolicy.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/ldap/LdapServerBeanDefinitionParser.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/ldap/LdapAuthenticationProviderConfigurer.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/annotation/authentication/configurers/JdbcUserServiceBeanDefinitionParser.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/annotation/authentication/configurers/AbstractUserDetailsServiceBeanDefinitionParser.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/annotation/web/configurers/HeadersConfigurer.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-jar/org/springframework/security/config/http/SessionCreationPolicy.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-
jar/org/springframework/security/config/DebugBeanDefinitionParser.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-
jar/org/springframework/security/config/ldap/LdapUserServiceBeanDefinitionParser.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-
jar/org/springframework/security/config/annotation/web/configurers/SessionManagementConfigurer.java
* /opt/cola/permits/1137623647_1614109455.9/0/spring-security-config-4-2-10-release-sources-2-
jar/org/springframework/security/config/authentication/AuthenticationManagerBeanDefinitionParser.java
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1.214 sean-seed v0.0.0-20170313163322-e2103e2c3529

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1.216 icu 60

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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): $(srcreg)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcreg)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcreg)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcreg)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcreg)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed 's/\([^/]+\)/\1.o $@ : /g;\n| -s $@ ]|| rm -f $@'

%.d: $(srcreg)/%.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'
## End BSD-specific setup

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jar/org/springframework/web/bind/support/WebDataBinderFactory.java
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1.225 azure-sdk-for-go v16.0.0+incompatible

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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
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  jar/io/netty/handler/codec/DefaultHeaders.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/Headers.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/EmptyHeaders.java

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  jar/io/netty/handler/codec/MessageAggregator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/ZlibEncoder.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/MessageToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/LimitingByteInput.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/PrematureChannelClosureException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/ThreadLocalUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/UnsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/package-info.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/ObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/compression/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
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*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/xml/package-info.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/compression/JZlibEncoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/TooLongFrameException.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/marshalling/package-info.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/string/StringEncoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/LengthFieldPrepender.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/protobuf/package-info.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/serialization/package-info.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/compression/JZlibDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/ByteToMessageDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/marshalling/ContextBoundUnmarshallerProvider.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/compression/JZlibDecoder.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/serialization/ObjectEncoderOutputStream.java
*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/ByteToMessageDecoder.java
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*/opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1.jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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  jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/DatagramPacketEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/CompressionUtil.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/MessageAggregationException.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Bzip2Encoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/SnappyFramedEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Lz4FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Bzip2BitReader.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Bzip2Rand.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/json/JsonObjectDecoder.java
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* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Bzip2HuffmanAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Lz4FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codecs/Compression/Bzip2MTFAndRLE2StageEncoder.java
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/**
* A decoder that splits the received [@link ByteBuf]s dynamically by the
* value of the length field in the message. It is particularly useful when you
* decode a binary message which has an integer header field that represents the
* length of the message body or the whole message.
* <p>
* [@link LengthFieldBasedFrameDecoder] has many configuration parameters so
* that it can decode any message with a length field, which is often seen in
* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*<p>
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
* </pre>
* BEFORE DECODE (14 bytes) AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*<p>
* <h3>2 bytes length field at offset 0, strip header</h3>
*<p>
* Because we can get the length of the content by calling
* [@link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <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> for compensation.

* <tt>lengthAdjustment</tt> = <tt>-2</tt> (= the length of the Length field)

* BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |      |  0xCAFE  | 0x00000C | "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.

* <tt>lengthFieldOffset</tt> = <tt>2</tt> (= the length of Header 1)

* 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 `<tt>lengthAdjustment</tt>` so that the decoder counts the extra header into the frame length calculation.

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>`.

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>`.
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.

```plaintext
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)**

<table>
<thead>
<tr>
<th>HDR1</th>
<th>Length</th>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xCA</td>
<td>0x0010</td>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HDR2</th>
<th>Actual Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>0xFE</td>
<td>&quot;HELLO, WORLD&quot;</td>
</tr>
</tbody>
</table>

```plaintext
</pre>

@see LengthFieldPrepender

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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

/*

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* <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>.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068232267_1594320776.43/0/netty-codec-4-1-49-final-sources-1-
jar/io/netty/handler/codec/base64/Base64.java

1.234 jbossinterceptorsapi 1.0.0.Beta1

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1.237 jersey-hk2 2.29.1

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1.246 woodstox-core 6.2.0

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tools/coreffi/coreffi.py

Originally based on code from https://github.com/veegee/guv

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* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/propertyeditors/PropertyEditorRegistrySupport.java
* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/beans/factory/support/SimpleBeanDefinitionRegistry.java
* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/beans/factory/config/BeanExpressionContext.java
* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/beans/factory/support/BeanDefinitionOverrideException.java
* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/beans/factory/support/ManagedArray.java
* /opt/cola/permits/1136375200_1613752661.82/spring-beans-5-2-6-release-sources-2-jar/org/springframework/beans/factory/xml/DefaultDocumentLoader.java
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jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java
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jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
* /opt/cola/permits/1136375200_1613752661.82/0/spring-beans-5-2-6-release-sources-2-
jar/org/springframework/beans/factory/support/BeanNameGenerator.java
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jar/org/springframework/beans/factory/serviceloader/ServiceFactoryBean.java
* /opt/cola/permits/1136375200_1613752661.82/0/spring-beans-5-2-6-release-sources-2-
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jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
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1.264 classgraph 4.8.44

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* /opt/ws_local/PERMITS_SQL/1069435284_1594665092.78/0/classgraph-4-8-44-sources-jar/nonapi/io/github/classgraph/concurrency/WorkQueue.java
* /opt/ws_local/PERMITS_SQL/1069435284_1594665092.78/0/classgraph-4-8-44-sources-
jar/io/github/classgraph/MappableInfoList.java
* /opt/ws_local/PERMITS_SQL/1069435284_1594665092.78/0/classgraph-4-8-44-sources-jar/io/github/classgraph/GraphvizDotfileGenerator.java
* /opt/ws_local/PERMITS_SQL/1069435284_1594665092.78/0/classgraph-4-8-44-sources-jar/nonapi/io/github/classgraph/json/TypeResolutions.java
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1.266 wcwidth 0.2.5

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1.267 jackson-databind 2.9.10.6

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1.274 swagger-jersey2-jaxrs 1.5.16
1.275 ansible 2.9.13
1.275.1 Available under license :
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# Copyright: (c) 2017, Dag Wieers <dag@wieers.com>
# GNU General Public License v3.0+ (see COPYING or https://www.gnu.org/licenses/gpl-3.0.txt)
- when: vcsim is not defined
block:
- name: Add a vCenter evaluation license
vcenter_license: &vcenter_lic_data
hostname: "{{ vcenter_hostname }}"
username: "{{ vcenter_username }}"
password: "{{ vcenter_password }}"
validate_certs: no
license: 00000-00000-00000-00000-00000
state: present
- name: Remove an (unused) vCenter evaluation license
vcenter_license:
<<: *vcenter_lic_data
state: absent
- name: Add an invalid vCenter license
vcenter_license:
<<: *vcenter_lic_data
license: 00000-00000-00000-00000-00001
state: present
register: vcenter_license_output
failed_when: '"is not existing or can not be added" not in vcenter_license_output.msg'
dependencies:
- prepare_vmware_tests
This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on
Tue, 17 Apr 2012 12:19:47 -0400.
It was downloaded from https://github.com/ansible/ansible.git

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mgo - MongoDB driver for Go

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BSON library for Go

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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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# 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

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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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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1.282 jakarta-ws-rs-api 2.1.6

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* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/internal/resolver/sql/SqlMigrationResolver.java
* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/api/Location.java
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* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/internal/sqlscript/SqlStatementIterator.java
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* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/internal/resource/package-info.java
* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/internal/resource/ResourceName.java
* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-jar/org/flywaydb/core/internal/jdbc/DatabaseType.java
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* /opt/ws_local/PERMITS_SQL/1076592410_1596598861.2/0/flyway-core-6-4-2-sources-1-
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* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-jar/org/springframework/transaction/support/TransactionSynchronizationAdapter.java
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* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-jar/org/springframework/transaction/TransactionStatus.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-jar/org/springframework/transaction/annotation/Transactional.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-jar/org/springframework/transaction/JtaTransactionManager.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
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* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/dao/annotation/PersistenceExceptionTranslationPostProcessor.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/annotation/AbstractTransactionManagementConfiguration.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/interceptor/TransactionalProxy.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/interceptor/TransactionProxyFactoryBean.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/annotation/Propagation.java
* /opt/cola/permits/1137662102_1614114409.69/0/spring-tx-4-3-21-release-sources-2-
  jar/org/springframework/transaction/config/AnnotationDrivenBeanDefinitionParser.java

1.300 spring-boot-configuration-metadata
2.2.7.RELEASE
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* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataSource.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/package-info.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataRepositoryJsonBuilder.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/JsonReader.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataRepository.json
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/Hints.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/Deprecation.java
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* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataRepository.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2.2.7-release-sources-1.jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataHint.java
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Found in path(s):
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2-2-7-release-sources-1-jar/org/springframework/boot/configurationmetadata/RawConfigurationMetadata.java
* /opt/cola/permits/1137661960_1614114380.3/0/spring-boot-configuration-metadata-2-2-7-release-sources-1-jar/org/springframework/boot/configurationmetadata/ConfigurationMetadataGroup.java

1.301 typing-extensions 3.7.4.3

1.301.1 Available under license :

A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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<th>Year</th>
<th>Owner</th>
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<td>PSF</td>
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</tr>
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1.303 pbr 5.6.0

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1.305 OpenLDAP 2.4.46

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1.306 okhttp 3.12.2

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* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/CertificatePinner.java
* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/MultipartBody.java
* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/internal/platform/WebSocketWriter.java
* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/Challenge.java
* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/TlsVersion.java
* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/internal/Internal.java
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* /opt/cola/permits/1126275629_1611617381.77/0/okhttp-3-12-2-sources-3-jar/okhttp3/WebSocketListener.java
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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"
}

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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>>> x_net_trace-6577fac2d73e28a1500b310739095313165611

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>>> d2g_dhcp4client-master
>>> hashicorp_go-cleanhttp-875fb671b3ddc66f8e2f0acc33829c8cb989a38d
>>> hashicorp_memberlist-cef12ad58224d55cf26caa9e3d239e2fcb3432a2

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>>> expat-2.2.4-1.ph2
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>>> 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
>>> libsolv-0.6.26-3.ph2
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>>> libtirpc-1.0.1-8.ph2
>>> linux-pam-1.3.0-1.ph2
>>> lsof-4.89-2.ph2
>>> ncurses-6.0-14.ph2
>>> openssh-7.5p1-11.ph2
>>> openssl-1.0.2q-1.ph2
>>> pcree-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
>>> procs-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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>>> 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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>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0d66e066a3a90a80

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7ce08ca145dbe0e66a127c447b80ee7914f3e4f9/reflectutil/swapper_unsafe_15.go

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>>> airbrake_gobrake_v2-c9d51adc624b5cc4c1bf8de730a09af4878ffe2d

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f
```

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>>> smartystreets_assertions_internal_ogletest-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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>>> tylerb/graceful.v1-4654dfbb6ad53cb5e27f37d99b02e16c1872fbbb

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graceful-1.2.15.zip/graceful-1.2.15/limit_listen.go

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```plaintext
>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2
```

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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rijndael-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>
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Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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>>> openssh-7.5p1-11.ph2

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@version 3.0 (December 2000)

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

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

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

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 "Linux PCI" <linux-pci@atrey.karlin.mff.cuni.cz> mailing list.

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mkinstalldirs --- make directory hierarchy
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pmap.c - print process memory mapping
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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
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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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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 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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Heavily modified for GnuPG by Werner Koch

/  

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number generator. For usage conditions, see lib_rand.c

[Here is the notice from lib_rand.c:]

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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

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Test Socket Type

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Version 3, 29 June 2007

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analogous to running a utility program or application program. However, in a
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Because of this blurred distinction, using the ordinary General
Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the
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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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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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"work based on the library" and a "work that uses the library". The
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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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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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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
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or
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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.

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.

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SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

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Version 1, September 1998

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## Source Code

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### 1.319 ipaplatform 4.6.8

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(Listed in alphabetical order within category)

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* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/config/PointcutComponentDefinition.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistrationManager.java
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* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/framework/adapter/AdvisorAdapterFactoryRegistrationManager.java
* /opt/cola/permits/1136375489_1613753039.4/0/spring-aop-5-2-6-release-sources-1-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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@import './skin';
@import './layout';

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Protocol Buffers for Go with Gadgets

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

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%notice {
  border-radius: $radius-small;
  border-width: 1px;
}
%notice-success, 
%notice-info, 
%notice-highlight, 
%notice-error, 
%notice-warning {
  @extend %notice;
}
%notice-success {
  @extend %frame-green-500, %with-passing;
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# 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

```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": [
```
## 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 --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-333ec9f0989e",
        "customer_id": "0259271d-8ffec85e-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": []
}
```

open_source_licenses.txt

vSphere Integrated Containers Engine 1.5.2 GA

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

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>>> vishvananda_netns-604eaf189ee867d8c147falc28def2394e878d25

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```yaml
>>> yaml_v2-4c78c975fe7c825c6d1466c42be594d1d6f3aba6
```

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>>> armon_go-metrics-f303b03b91d770a11a39677f1d3b55da4002bbcb

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>>> armon_go-radix-4239b77079c7b5d1243b7b4736304ce8ddb6f0f2

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>>> asaskevich_govalidator-9699ab6b38bee2e02cd3fe8b99ecf67665395c96

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>>> azure_go-ansiterm-70b2e90b2601711e829f1ebd7c17f600c11858dbe

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>>> boltdb_bolt-b514920f8f2e0a68f857e5a12c774f385a59aef9

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>>> cenkalti_backoff-b02f2bbce11d7ea6b97f282ef1771b0fe2f65ef3

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>>> client9_misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f

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>>> codegangsta/inject-33e0aa1cb7c019ccc3fbe049a8262a6403d30504

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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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>>> deckarep_golang-set-1f0f4ff8d3fbef9328522993ce71c35890f67554

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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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>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071

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>>> gogo_protobuf_gogoprotobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7

Protocol Buffers for Go with Gadgets

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

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`>>> gogo_protobuf_proto-6a92c871a8f5333cf106b2cdf937567208db2b7`

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protobuf-6a92c871a8f5333cf106b2cdf937567208dbb2b7/codec/codec.go

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2
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>>> golang_lint-cb00e5669539f047b2f4c53a421a01b0c8e172c6

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>>> tylerb/graceful.v1-4654dfbb6ad53cb5e27f37d99b02e16c1872fbbb

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tools-381149a2d6e5d8f319ccf04bfefc71e03a78b868/third_party/moduleloader/

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

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/ipropx
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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rijndael-alg-fst.c
Optimised ANSI C code for the Rijndael cipher (now AES)

@version 3.0 (December 2000)

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By Steve Reid <sreid@sea-to-sky.net>
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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>
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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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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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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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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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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
your main control loop, etc. to force garbage collection.

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Heavily modified for GnuPG by Werner Koch

/ This module is part of the cryptlib continuously seeded pseudorandom
number generator. For usage conditions, see lib_rand.c

[Here is the notice from 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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   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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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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mgo - MongoDB driver for Go

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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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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/Frame.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/FramePrinter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ArrayInit.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/Symbol.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/Sample.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/.CtMethod.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/analysis/Executor.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/SymbolTable.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/ByteArrayClassPath.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/util/proxy/ProxyObject.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/reflect/Metalevel.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/tools/Dump.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/AnnotationDefaultAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/StringL.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/LineNumberAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/LocalVariableAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/ASTree.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/LocalVariableAttribute.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/compiler/ast/CondExpr.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/LocalVariableTypeAttribute.java
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* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135902035_1613627706.92/0/javassist-3-21-0-ga-sources-5-jar/javassist/bytecode/annotation/LongMemberValue.java
1.329 nfs-utils 1.3.0-0.68.el7

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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
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under certain conditions; type `show c' for details.

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

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The End

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

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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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If such an object file uses only numerical parameters, data
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
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| Release Derived Year Owner GPL-compatible? (1) |
|--------|---------|---------|-------------------|
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1.355 jakarta activation api 1.2.2

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* https://github.com/eclipse-ee4j/jaf

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1.356 postgresql 9.4

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/**
 * This adds a function to our lookup table.
 * <p>User code should use the addFunctions method, which is based upon a
 * query, rather than hard coding the oid. The oid for a function is not
 * guaranteed to remain static, even on different servers of the same
 * version.
 * @param name Function name
 * @param fnid Function id
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033953458_1590067429.1/0/postgresql-9-4-1200-jdbc4-sources-1-
  jar/org/postgresql/fastpath/Fastpath.java
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/**
 * This code is a stripped down version of Robert Harder's Public Domain
 * Base64 implementation. GZIP support, InputStream and OutputStream stuff
 * and some unneeded encode/decode methods have been removed.
 * -- Original comments follow --

---

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Encodes and decodes to and from Base64 notation.

Change Log:

- v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.
- v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
- v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
- v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format (int's that you "OR" together).
- v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode( String s, boolean gzipCompressed ).
- Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
- v1.5 - Output stream pases on flush() command but doesn't do anything itself.
  This helps when using GZIP streams.
- v1.4 - Added helper methods to read/write files.
- v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
- v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.
- v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
- v1.3.3 - Fixed I/O streams which were totally messed up.

This helps when using GZIP streams.

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

@version 2.1
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033953458_1590067429.1/0/postgresql-9-4-1200-jdbc4-sources-1-jar/org/postgresql/util/Base64.java
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// more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033953458_1590067429.1/0/postgresql-9-4-1200-jdbc4-sources-1-jar/org/postgresql.Driver.java

1.357 client-java 12.0.0

1.357.1 Available under license :

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Found in path(s):
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/FilePersister.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/apimachinery/GroupVersion.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/options/CreateOptions.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/Watchable.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/ProtoClient.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/ListAccessor.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/credentials/UsernamePasswordAuthentication.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/ResourceEventHandler.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/credentials/BasicAuthenticator.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/credentials/StoreCredential.java
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* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/options/ListOptions.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/apimachinery/GroupVersionKind.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/credentials/Authentication.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/options/GetOptions.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/ConfigPersister.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/CallGeneratorParams.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/authenticators/GCPAuthenticator.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/ResyncRunnable.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/SharedInformer.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/cache/ProcessorListener.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/cache/SharedProcessor.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/ModelMapper.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/authenticators/Authenticator.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/credentials/AccessTokenAuthentication.java
jar/io/kubernetes/client/util/PatchUtils.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/impl/DefaultSharedIndexInformer.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/Exec.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/GenericKubernetesApi.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/ObjectAccessor.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/monitoring/PrometheusInterceptor.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/options/PatchOptions.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/Streams.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/Yaml.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/options/UpdateOptions.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/labels/EqualityMatcher.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/informer/cache/Indexer.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/Discovery.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/labels/SetMatcher.java
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* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesListObject.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/Dynamics.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-jar/io/kubernetes/client/util/generic/dynamic/DynamicKubernetesApi.java
* /opt/cola/permits/1160285474_1620291905.04/0/client-java-12-0-0-sources-
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 *
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* 
* This file contains input control logic for the JPEG decompressor.
* These routines are concerned with controlling the decompressor's input
* processing (marker reading and coefficient decoding). The actual input
* reading is done in jdmarker.c, jdhuff.c, and jdphuff.c.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdinput.c
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; more details.

Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2int.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
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*
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* 
* This file contains routines to decode JPEG datastream markers.
* Most of the complexity arises from our desire to support input
  * suspension: if not all of the data for a marker is available,
  * we must exit back to the application. On resumption, we reprocess
  * the marker.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmarker.c
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/*
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 *
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 *
 * This file contains Huffman entropy encoding routines.
 *
 * Much of the complexity here has to do with supporting output suspension.
 * If the data destination module demands suspension, we want to be able to
 * back up to the start of the current MCU. To do this, we copy state
 * variables into local working storage, and update them back to the
 * permanent JPEG objects only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.c
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*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "standard" API routines that are
* used in the normal full-decompression case. They are not used by a
* transcoding-only application. Note that if an application links in
* jpeg_start_decompress, it will end up linking in the entire decompressor.
* We thus must separate this file from jdapimin.c to avoid linking the
* whole decompression library into a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapistd.c
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/*
  * jidctfst.c
  *
  * Copyright (C) 1994-1998, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains a fast, not so accurate integer implementation of the
  * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
  * must also perform dequantization of the input coefficients.
  *
  * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
  * on each row (or vice versa, but it's more convenient to emit a row at
  * a time). Direct algorithms are also available, but they are much more
  * complex and seem not to be any faster when reduced to code.
  *
  * This implementation is based on Arai, Agui, and Nakajima's algorithm for
  * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
  * Japanese, but the algorithm is described in the Pennebaker & Mitchell
  * JPEG textbook (see REFERENCES section in file README). The following code
  * is based directly on figure 4-8 in P&M.
  * While an 8-point DCT cannot be done in less than 11 multiplies, it is
  * possible to arrange the computation so that many of the multiplies are
  * simple scalings of the final outputs. These multiplies can then be
  * folded into the multiplications or divisions by the JPEG quantization
  * table entries. The AA&N method leaves only 5 multiplies and 29 adds
  * to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctfst.c
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/ *
* jdct.h
* 
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
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*
* This include file contains common declarations for the forward and
* inverse DCT modules. These declarations are private to the DCT managers
* (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
* The individual DCT algorithms are kept in separate files to ease
* machine-dependent tuning (e.g., assembly coding).
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdct.h
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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/TJExample.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/TJUnitTest.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg-jni.c

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/ *
* jidctred.c
* *
* Copyright (C) 1994-1998, Thomas G. Lane.
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* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains inverse-DCT routines that produce reduced-size output:
* either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
* *
* The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)
* algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step
* with an 8-to-4 step that produces the four averages of two adjacent outputs
* (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
* These steps were derived by computing the corresponding values at the end
* of the normal LL&M code, then simplifying as much as possible.
* 1x1 is trivial: just take the DC coefficient divided by 8.
* See jidctint.c for additional comments.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctred.c
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 * jdsample.c
 *
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 *
 * This file contains upsampling routines.
 *
 * Upsampling input data is counted in "row groups".  A row group
 * is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
 * sample rows of each component.  Upsampling will normally produce
 * max_v_samp_factor pixel rows from each row group (but this could vary
 * if the upsampler is applying a scale factor of its own).
 *
 * An excellent reference for image resampling is
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdsample.c
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 * jdmerge.c
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*
* This file contains code for merged upsampling/color conversion.
*
* This file combines functions from jdsample.c and jdcolor.c;
* read those files first to understand what's going on.
*
* When the chroma components are to be upsampled by simple replication
* (ie, box filtering), we can save some work in color conversion by
* calculating all the output pixels corresponding to a pair of chroma
* samples at one time. In the conversion equations
* \[ R = Y + K1 \times Cr \]
* \[ G = Y + K2 \times Cb + K3 \times Cr \]
* \[ B = Y + K4 \times Cb \]
* only the Y term varies among the group of pixels corresponding to a pair
* of chroma samples, so the rest of the terms can be calculated just once.
* At typical sampling ratios, this eliminates half or three-quarters of the
* multiplications needed for color conversion.
*
* This file currently provides implementations for the following cases:
* YCbCr => RGB color conversion only.
* Sampling ratios of 2h1v or 2h2v.
* No scaling needed at upsample time.
* Corner-aligned (non-CCIR601) sampling alignment.
* Other special cases could be added, but in most applications these are
* the only common cases. (For uncommon cases we fall back on the more
* general code in jdsample.c and jdcolor.c.)
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmerge.c
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/*
 * jctrans.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains library routines for transcoding compression,
 * that is, writing raw DCT coefficient arrays to an output JPEG file.
 * The routines in jcapimin.c will also be needed by a transcoder.
 */
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Found in path(s):
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/*
 * jcprepect.c
 *
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 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling,
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler. See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */

Found in path(s):
 */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcapimin.c
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/*
 * jcapimin.c
 *
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 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jcpamr.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
 */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcapimin.c
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 * jdpostct.c
 *
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 *
 * This file contains the decompression postprocessing controller.
 * This controller manages the upsampling, color conversion, and color
 * quantization/reduction steps; specifically, it controls the buffering
 * between upsample/color conversion and color quantization/reduction.
 *
 * If no color quantization/reduction is required, then this module has no
 * work to do, and it just hands off to the upsample/color conversion code.
 * An integrated upsample/convert/quantize process would replace this module
 * entirely.
 */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cds9Tbdd/libjpeg-turbo-1.2.90/jdpostct.c
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/*
 * jpegint.h
 *
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 *
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cds9Tbdd/libjpeg-turbo-1.2.90/jpegint.h
No license file was found, but licenses were detected in source scan.

/*
 * jdmrgext.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 */
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains code for merged upsampling/color conversion.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src-rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmrgext.c
No license file was found, but licenses were detected in source scan.

/*
* rdtarga.c
* *
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains routines to read input images in Targa format.
* *
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
* *
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src-rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdtarga.c
No license file was found, but licenses were detected in source scan.

/*
* transupp.c
* *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains image transformation routines and other utility code
* used by the jpegtran sample application. These are NOT part of the core
* JPEG library. But we keep these routines separate from jpegtran.c to
* ease the task of maintaining jpegtran-like programs that have other user
* interfaces.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
* jddctmgr.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2010 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
* and it performs related housekeeping chores. No code in this file
* is executed per IDCT step, only during output pass setup.
*
* Note that the IDCT routines are responsible for performing coefficient
* dequantization as well as the IDCT proper. This module sets up the
* dequantization multiplier table needed by the IDCT routine.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
* jQuery JavaScript Library v1.3.2
* http://jquery.com/
*
* Copyright (c) 2009 John Resig
* Dual licensed under the MIT and GPL licenses.
* http://docs.jquery.com/License
*
* Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
* Revision: 6246
*/

*/
* Sizzle CSS Selector Engine - v0.9.3
Copyright 2009, The Dojo Foundation
Released under the MIT, BSD, and GPL Licenses.
More information: http://sizzlejs.com/

* jQuery UI 1.7.2

* Copyright (c) 2009 AUTHORS.txt (http://jqueryui.com/about)
* Dual licensed under the MIT (MIT-LICENSE.txt)
* and GPL (GPL-LICENSE.txt) licenses.
* http://docs.jquery.com/UI

* jQuery.ScrollTo - Easy element scrolling using jQuery.
* Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
* Licensed under GPL license (http://www.opensource.org/licenses/gpl-license.php).
* Date: 2/8/2008
* @author Ariel Flesler
* @version 1.3.2

jccoefct.c

* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains the coefficient buffer controller for compression.
* This controller is the top level of the JPEG compressor proper.
* The coefficient buffer lies between forward-DCT and entropy encoding steps.

* jerror.h

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

*/
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file defines the error and message codes for the JPEG library.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
* A set of error-reporting macros are defined too. Some applications using
* the JPEG library may wish to include this file to get the error codes
* and/or the macros.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jerror.h
No license file was found, but licenses were detected in source scan.

/*
* rdcolmap.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
*   each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/
/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdcolmap.c
No license file was found, but licenses were detected in source scan.

/ *
* jdcoefct.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.
* 
* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcoefct.c
No license file was found, but licenses were detected in source scan.

/ *
* jcomapi.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains application interface routines that are used for both
* compression and decompression.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcomapi.c
No license file was found, but licenses were detected in source scan.
Open Source Used In Elastic Services Controller Software 5.5.0 5279

/*
 * djpeg.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG decompressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
 * Two different command line styles are permitted, depending on the
 * compile-time switch TWO_FILE_COMMANDLINE:
 * djpeg [options] inputfile outputfile
 * djpeg [options] [inputfile]
 * In the second style, output is always to standard output, which you'd
 * normally redirect to a file or pipe to some other program. Input is
 * either from a named file or from standard input (typically redirected).
 * The second style is convenient on Unix but is unhelpful on systems that
 * don't support pipes. Also, you MUST use the first style if your system
 * doesn't do binary I/O to stdin/stdout.
 * To simplify script writing, the "-outfile" switch is provided. The syntax
 * djpeg [options] -outfile outputfile inputfile
 * works regardless of which command line style is used.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/djpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * jmorecfg.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains additional configuration options that customize the
 * JPEG software for special applications or support machine-dependent
 * optimizations. Most users will not need to touch this file.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/ReadMe.rtf

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

/*
 * jcmainct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for compression.
 * The main buffer lies between the pre-processor and the JPEG
 * compressor proper; it holds downsampled data in the JPEG colorspace.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcmainct.c
No license file was found, but licenses were detected in source scan.

/*
 * jcarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcarith.c
No license file was found, but licenses were detected in source scan.

/*
 * rdppm.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed PPM format).
 */

/* Portions of this code are based on the PBMPPLUS library, which is:
 **
 ** Copyright (C) 1988 by Jef Poskanzer.
 **
 ** Permission to use, copy, modify, and distribute this software and its
 ** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdppm.c
No license file was found, but licenses were detected in source scan.

*/
* jcphuff.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy encoding routines for progressive JPEG.
* We do not support output suspension in this module, since the library
* currently does not allow multiple-scan files to be written with output
* suspension.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcphuff.c
No license file was found, but licenses were detected in source scan.

*/
* jmemsys.h
*
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
*
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemsys.h
No license file was found, but licenses were detected in source scan.

/*
 * jidctint.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modification developed 2002-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Intl. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 *
 * We also provide IDCT routines with various output sample block sizes for
 * direct resolution reduction or enlargement without additional resampling:
 * NxN (N=1...16) pixels for one 8x8 input DCT block.
 *
 * For N<8 we simply take the corresponding low-frequency coefficients of
 * the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
 * to yield the downscaled outputs.
 * This can be seen as direct low-pass downsampling from the DCT domain
 * point of view rather than the usual spatial domain point of view,
 * yielding significant computational savings and results at least
 * as good as common bilinear (averaging) spatial downsampling.
 *
 * For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
 * lower frequencies and higher frequencies assumed to be zero.
* It turns out that the computational effort is similar to the 8x8 IDCT regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases since there would be too many additional constants to pre-calculate.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jidctint.c
No license file was found, but licenses were detected in source scan.

/*
 * jmemnobs.c
 *
 * Copyright (C) 1992-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides a really simple implementation of the system-dependent portion of the JPEG memory manager. This implementation assumes that no backing-store files are needed: all required space can be obtained from malloc().
 * This is very portable in the sense that it'll compile on almost anything, but you'd better have lots of main memory (or virtual memory) if you want to process big images.
 * Note that the max_memory_to_use option is ignored by this implementation.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemnobs.c
No license file was found, but licenses were detected in source scan.

/*
 * cjpeg.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a command-line user interface for the JPEG compressor.
 * It should work on any system with Unix- or MS-DOS-style command lines.
 *
Two different command line styles are permitted, depending on the 
compile-time switch TWO_FILE_COMMANDLINE:

cjpeg [options] inputfile outputfile

cjpeg [options] [inputfile]

In the second style, output is always to standard output, which you'd 
normally redirect to a file or pipe to some other program. Input is 
either from a named file or from standard input (typically redirected).
The second style is convenient on Unix but is unhelpful on systems that 
don't support pipes. Also, you MUST use the first style if your system 
doesn't do binary I/O to stdin/stdout.

To simplify script writing, the "-outfile" switch is provided. The syntax 
cjpeg [options] -outfile outputfile inputfile

works regardless of which command line style is used.

*/

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reasons for developing this free software was to help force convergence on

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reasons for developing this free software was to help force convergence on

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j SIMD.h

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

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

/*

j SIMD.h

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*/

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

/*

j SIMD.h

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*/

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/*
 * jdatasrc.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc.c

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

/*
 * jfdctint.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctint.c
No license file was found, but licenses were detected in source scan.

/ *
* jutils.c
*
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains tables and miscellaneous utility routines needed
* for both compression and decompression.
* Note we prefix all global names with "j" to minimize conflicts with
* a surrounding application.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jutils.c
No license file was found, but licenses were detected in source scan.

/ *
* jdhuff.h
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the
* progressive decoder (jdphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuff.h
No license file was found, but licenses were detected in source scan.

/ *
* jdcolor.c
*
This file was part of the Independent JPEG Group's software:
Copyright (C) 1991-1997, Thomas G. Lane.
Modified 2011 by Guido Vollbeding.

Modifications:
Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
Copyright (C) 2009, 2011-2012, D. R. Commander.
For conditions of distribution and use, see the accompanying README file.

This file contains output colorspace conversion routines.
/

Found in path(s):
/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src-rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdcolor.c

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

IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
This file was part of the Independent JPEG Group's software.
It was modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software; that is, the functions of the various modules in the system and the interfaces between modules. For more precise details about any data structure or calling convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard.
The README file includes references for learning about JPEG. The file libjpeg.txt describes the library from the viewpoint of an application programmer using the library; it's best to read that file before this one.
Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard:
A "component" means a color channel, e.g., Red or Luminance.
A "sample" is a single component value (i.e., one number in the image data).
A "coefficient" is a frequency coefficient (a DCT transform output number).
A "block" is an 8x8 group of samples or coefficients.
An "MCU" (minimum coded unit) is an interleaved set of blocks of size determined by the sampling factors, or a single block in a noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say pixel, we mean an element of the full-size image, while a sample is an element of the downsampling image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used
rigorously throughout the code, but it is used in places where confusion would otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the
compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)
Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
  [This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to
have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form.
Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)
An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:
   1A. Startup initialization at the beginning of image processing.
       The individual processing modules to be used in this run are selected and given initialization calls.

   1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

   Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than
one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:

\[
\text{input data} \rightarrow \text{processing step A} \rightarrow \text{buffer} \rightarrow \text{processing step B} \rightarrow \text{output data}
\]

| | | |
|------------------ controller ------------------

The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:

* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
   |-- Preprocessing controller --|--
      |                           |-- Downsampling
```
Main controller --|-- Forward DCT, quantize
   | |  -- Coefficient controller --|
   | |     -- Entropy encoding

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.

The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each component before downsampling, and Vk sample rows afterwards (remember Vk differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now
emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.
Here is a sketch of the logical structure of the JPEG decompression library:

```
|-- Main controller
   |-- Entropy decoding
   |   |-- Coefficient controller
       |   |-- Dequantize, Inverse DCT
   |       |-- Upsampling
   |-- Postprocessing controller
       |-- Colorspace conversion
           |-- Color quantization
           |-- Color precision reduction
```

As before, this diagram also represents typical control flow. The objects shown are:

* **Main controller:** buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* **Coefficient controller:** buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image.
  (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* **Entropy decoding:** Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* **Dequantization and inverse DCT:** like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* **Postprocessing controller:** buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this
controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.
* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.
The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

```c
typedef something JSAMPLE;  // a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW;  // ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY;  // ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE;  // ptr to a list of color-component arrays
```

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as "((value) & 0xFF)" on signed-char machines and "((int) (value))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:
- Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
- Indexing doesn't require multiplication; this is a performance win on many machines.
- Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
- The rows forming a component array may be allocated at different times.
without extra copying. This trick allows some speedups in smoothing steps
that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use
the traditional layout in which the components of a pixel are stored together.
This simplifies coding of modules that work on each component independently,
because they don't need to know how many components there are. Furthermore,
we can read or write each component to a temporary file independently, which
is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as
GETJSAMPLE(image[colorcomponent][row][col])
where col is measured from the image left edge, but row is measured from the
first sample row currently in memory. Either of the first two indexings can
be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which
the components of a pixel are stored together, the data passed to or from the
surrounding application uses the traditional convention: a single pixel is
represented by N consecutive JSAMPLE values, and an image row is an array of
(# of color components)*(image width) JSAMPLEs. One or more rows of data can
be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is
converted to component-wise storage inside the JPEG library. (Applications
that want to skip JPEG preprocessing or postprocessing will have to contend
with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big
enough on all machines of interest, on some machines it is preferable to use
"int" for speed reasons, despite the storage cost. Coefficients are grouped
into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than
"8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged
order, and may be true values or divided by the quantization coefficients,
depending on where the block is in the processing pipeline. In the current
library, coefficient blocks are kept in natural order everywhere; the entropy
codecs zigzag or dezigzag the data as it is written or read. The blocks
contain quantized coefficients everywhere outside the DCT/IDCT subsystems.
(This latter decision may need to be revisited to support variable quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to eight rows of samples. Otherwise the structure is much the same as for samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data structure limits us to rows of less than 512 JBLOCks, or a picture width of 4000+ pixels. This seems an acceptable restriction.

On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment).

We use a #define symbol FAR, which expands to the "far" keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the
permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (i.e., the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU: a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or
decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

* JPOOL_PERMANENT lasts until master record is destroyed
* JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of objects:
1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.
   Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.
In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The realize routine must allow for space occupied by non-virtual large objects. (We don't bother to factor in the space needed for small objects, on the grounds that it isn't worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All "large" objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers. Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be "pre-zeroed"; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.
*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent "front end" (jmemmgr.c) and a "back end" that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):

- `jpeg_mem_init`, `jpeg_mem_term` system-dependent initialization/shutdown
- `jpeg_get_small`, `jpeg_free_small` interface to malloc and free library routines (or their equivalents)
- `jpeg_get_large`, `jpeg_free_large` interface to FAR malloc/free in MSDOS machines; else usually the same as `jpeg_get_small/jpeg_free_small`
- `jpeg_mem_available` estimate available memory
- `jpeg_open_backing_store` create a backing-store object
- `read_backing_store`, `write_backing_store`, `close_backing_store`

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). `jpeg_open_backing_store` is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.
*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).
We will not worry about making the compressor capable of outputting DNL.
Something similar to the first scheme above could be applied if anyone ever
wants to make that work.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/structure.txt
No license file was found, but licenses were detected in source scan.

/*
 * jcparam.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains optional default-setting code for the JPEG compressor.
 * Applications do not have to use this file, but those that don't use it
 * must know a lot more about the innards of the JPEG code.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcparam.c
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/*
 * jquant1.c
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 * For conditions of distribution and use, see the accompanying README file.
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values.  Optional Floyd-Steinberg or ordered dithering is available.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jquant1.c
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/*
 * wrjpgcom.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains a very simple stand-alone application that inserts
 * user-supplied text as a COM (comment) marker in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrjpgcom.c

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/*
 * jcinit.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains initialization logic for the JPEG compressor.
 * This routine is in charge of selecting the modules to be executed and
 * making an initialization call to each one.
 * Logically, this code belongs in jcmaster.c. It's split out because
 * linking this routine implies linking the entire compression library.
 * For a transcoding-only application, we want to be able to use jcmaster.c
 * without linking in the whole library.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcinit.c

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

/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
This file contains common support routines used by the IJG application programs (cjpeg, djpeg, jpegtran).

* This file contains a floating-point implementation of the forward DCT (Discrete Cosine Transform).

* This implementation should be more accurate than either of the integer DCT implementations. However, it may not give the same results on all machines because of differences in roundoff behavior. Speed will depend on the hardware's floating point capacity.

* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT on each column. Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

* This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

* While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

* The primary disadvantage of this method is that with a fixed-point implementation, accuracy is lost due to imprecise representation of the scaled quantization values. However, that problem does not arise if we use floating point arithmetic.

*
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jfdctflt.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmaster.c
 *
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 * Modified 2002-2009 by Guido Vollbeding.
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdmaster.c
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/*
 * jquant2.c
 *
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 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 2-pass color quantization (color mapping) routines.
 * These routines provide selection of a custom color map for an image,
 * followed by mapping of the image to that color map, with optional
 * Floyd-Steinberg dithering.
 * It is also possible to use just the second pass to map to an arbitrary
 * externally-given color map.
 *
 * Note: ordered dithering is not supported, since there isn't any fast
 * way to compute intercolor distances; it's unclear that ordered dither's
 * fundamental assumptions even hold with an irregularly spaced color map.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jquant2.c
No license file was found, but licenses were detected in source scan.

/*
 * jdhuff.c
 *
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 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdhuff.c

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

; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
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; warranty. In no event will the authors be held liable for any damages
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; Permission is granted to anyone to use this software for any purpose,
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; freely, subject to the following restrictions:
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; 1. The origin of this software must not be misrepresented; you must not
;    claim that you wrote the original software. If you use this software
;    in a product, an acknowledgment in the product documentation would be
;    appreciated but is not required.
; 2. Altered source versions must be plainly marked as such, and must not be
;    misrepresented as being the original software.
; 3. This notice may not be removed or altered from any source distribution.
;
; [TAB8]
; System-dependent configurations

%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)--------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT    .text  align=16
%define SEG_CONST   .rdata align=16
#else
%define SEG_TEXT    .text  align=16 public use32 class=CODE
%define SEG_CONST   .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; ----(nasm -fwin64 -DWIN64 ...)--------
; * Microsoft Visual C++

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT    .text  align=16
%define SEG_CONST   .rdata align=16
#else
%define SEG_TEXT    .text  align=16 public use64 class=CODE
%define SEG_CONST   .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name)  name			; foo() -> foo

%elifdef OBJ32; ----(nasm -fobj -DOBJ32 ...)----------
; * Borland C++ (Win32)

; -- segment definition --

%define SEG_TEXT    .text  align=16 public use32 class=CODE
%define SEG_CONST   .data  align=16 public use32 class=DATA

%elifdef ELF; ----(nasm -felf[64] -DELF ...)----------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

---

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%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; ELF supports PIC
%define EXTN(name) name foo() -> foo

%elifdef AOUT; ----(nasm -faout/aout -DAOUT ...)--
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ----(nasm -fmacho -DMACHO ...)--
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT .text ;align=16; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL _MACHO_PIC_; Mach-O style code-relative addressing

%else; ----(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data
%endif;  

;  

;  

;  Common types  

;  

%ifdef __x86_64__

%define POINTER     qword                        ; general pointer type  
%define SIZEOF_POINTER SIZEOF_QWORD     ; sizeof(POINTER)  
%define POINTER_BIT  QWORD_BIT     ; sizeof(POINTER)*BYTE_BIT  
%else  

%define POINTER     dword                        ; general pointer type  
%define SIZEOF_POINTER SIZEOF_DWORD     ; sizeof(POINTER)  
%define POINTER_BIT  DWORD_BIT     ; sizeof(POINTER)*BYTE_BIT  
%endif  

%define INT          dword                        ; signed integer type  
%define SIZEOF_INT   SIZEOF_DWORD     ; sizeof(INT)  
%define INT_BIT      DWORD_BIT     ; sizeof(INT)*BYTE_BIT  

%define FP32         dword                        ; IEEE754 single  
%define SIZEOF_FP32  SIZEOF_DWORD     ; sizeof(FP32)  
%define FP32_BIT     DWORD_BIT     ; sizeof(FP32)*BYTE_BIT  

%define MMWORD       qword                        ; int64  (MMX register)  
%define SIZEOF_MMWORD SIZEOF_QWORD     ; sizeof(MMWORD)  
%define MMWORD_BIT   QWORD_BIT     ; sizeof(MMWORD)*BYTE_BIT  

;  NASM is buggy and doesn’t properly handle operand sizes for SSE  
;  instructions, so for now we have to define XMMWORD as blank.  
%define XMMWORD       ; int128  (SSE register)  
%define SIZEOF_XMMWORD SIZEOF_OWORD     ; sizeof(XMMWORD)  
%define XMMWORD_BIT   OWORD_BIT     ; sizeof(XMMWORD)*BYTE_BIT  

;  Similar hacks for when we load a dword or MMWORD into an xmm# register  
%define XMM_DWORD  
%define XMM_MMWORD  

%define SIZEOF_BYTE  1     ; sizeof(BYTE)  
%define SIZEOF_WORD  2     ; sizeof(WORD)  
%define SIZEOF_DWORD  4     ; sizeof(DWORD)  
%define SIZEOF_QWORD  8     ; sizeof(QWORD)  
%define SIZEOF_OWORD  16    ; sizeof(OWORD)  

%define BYTE_BIT     8     ; CHAR_BIT in C  
%define WORD_BIT      16    ; sizeof(WORD)*BYTE_BIT  

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%define DWORD_BIT 32 ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT 64 ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT 128 ; sizeof(OWORD)*BYTE_BIT

; External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ %+ name		; foo() -> _foo
%endif

; Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ; -------------------------------------------
%ifidn GOT_SYMBOL,_MACHO_PIC_ ; --------------------
; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.
SECTION SEG_CONST
const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOT 1
; NOTE: this macro destroys ecx resister.
call %geteip
addecx, byte (%%ref - $)
jmpshort %%adjust
%%%geteip:
mov ecx, POINTER [esp]
ret
%%%adjust:
push ebp
xor ebp, ebp ; ebp = 0
%ifidni %1,ebx; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
db0x8D,0x9C; 8D,9C
jmpnear const_base; E9,(const_base-%%ref)
%%%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
db0x8D,0x8C; 8D,8C
jmpnear const_base; E9,(const_base-%%ref)
%%ref:mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_  ---------------
%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT
externGOT_SYMBOL
call%%%geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmpshort %%%done
%%%geteip:
mov%1, POINTER [esp]
ret
%%%done:
%endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_  ---------------

%imacro pushpic1.nolist
push%1
%endmacro
%imacro poppic1.nolist
pop%1
%endmacro
%imacro movpic2.nolist
mov%1,%2
%endmacro

%else; !PIC -----------------------------------------
%define GOTOFF(got,sym) (sym) wrt ..gotoff

%imacro get_GOT1
externGOT_SYMBOL
call%%%geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmpshort %%%done
%%%geteip:
mov%1, POINTER [esp]
ret
%%%done:
%endmacro

%endif; GOT_SYMBOL != _MACHO_PIC_  ---------------
; Align the next instruction on {2,4,8,16...}-byte boundary.
; ".balign n,,m" in GNU as
;
%define MSKLE(x,y)  (~(y) & 0xFFFF) - ((x) & 0xFFFF) >> 16)
%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%bx:times MSKLE(FILLB(%bx,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) \ 
    db 0x90 ; nop
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)9 \
        db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)7 \
        db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)6 \
        db 0x8D,0xAD,0x00,0x00 ; lea ebp,[ebp+0x00000000]
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)4 \
        db 0x8D,0x6C,0x25,0x00 ; lea ebp,[ebp+0x00]
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)3 \
        db 0x8D,0x6D,0x00 ; lea ebp,[ebp+0x00]
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)2 \
        db 0x8B,0xED ; mov ebp,ebp
    times MSKLE(FILLB(%bx,%1),%2) & FILLB($,%1)1 \
        db 0x90 ; nop
%endmacro

; Align the next data on {2,4,8,16...}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__

%ifdef WIN64

%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9

%endif

%endmacro
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub     rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub     rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add     rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add     rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro
%endif
%endif

; --------------------------------------------------------------------------------
; Defines picked up from the C headers
;
;%include "jsimcfg.inc"

; --------------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimdext.inc

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

/
* jchuff.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains declarations for Huffman entropy encoding routines
* that are shared between the sequential encoder (jchuff.c) and the
* progressive encoder (jcphuff.c). No other modules need to see these.
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jchuff.h

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

/
* jdapimin.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
* 
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdapimin.c
No license file was found, but licenses were detected in source scan.

/*
 * jpegtran.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for JPEG transcoding.
* It is very similar to cjpeg.c, and partly to djpeg.c, but provides
* lossless transcoding between different JPEG file formats. It also
* provides some lossless and sort-of-lossless transformations of JPEG data.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegtran.c
No license file was found, but licenses were detected in source scan.

// Natural Docs is licensed under the GPL.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/doc/html/search/search.js
No license file was found, but licenses were detected in source scan.

/*
 * jdatadst-tj.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of
* emitting JPEG data to memory or to a file (or any stdout stream).
* While these routines are sufficient for most applications,
* some will want to use a different destination manager.
* IMPORTANT: we assume that fwrite() will correctly transcribe an array of
* JOCTETs into 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatadst-tj.c
No license file was found, but licenses were detected in source scan.

/**
 *
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Utah RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdin stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdrle.c
No license file was found, but licenses were detected in source scan.

/**
 *
 * rdbmp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2010 by Guido Vollbeding.
 * Modifications:
 * Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.

* This file contains routines to read input images in Microsoft "BMP"
* format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
* Currently, only 8-bit and 24-bit images are supported, not 1-bit or
* 4-bit (feeding such low-depth images into JPEG would be silly anyway).
* Also, we don't support RLE-compressed files.

* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed BMP format).

* This code contributed by James Arthur Boucher.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdbmp.c
No license file was found, but licenses were detected in source scan.

/ *
* jccolor.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2009-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolor.c
No license file was found, but licenses were detected in source scan.

/ *
* rdjpgcom.c
 *
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Bill Allombert, Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
This file contains a very simple stand-alone application that displays the text in COM (comment) markers in a JFIF file.
This may be useful as an example of the minimum logic needed to parse JPEG markers.

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

License: IJG

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/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored in jconfig.h. On many machines, jconfig.h can be generated automatically or copied from one of the "canned" jconfig files that we supply. But if you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */

/*
 * These symbols indicate the properties of your machine or compiler.
 * #define the symbol if yes, #undef it if no.
 */

/* Does your compiler support function prototypes?
 * (If not, you also need to use ansi2knr, see install.txt)
 */
#define HAVE_PROTOTYPES
/* Does your compiler support the declaration "unsigned char"? 
* How about "unsigned short"? 
*/
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void. 
* NOTE: be sure to define void such that "void *" represents the most general 
* pointer type, e.g., that returned by malloc(). 
*/
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword. 
*/
/* #define const */

/* Define this if an ordinary "char" type is unsigned. 
* If you're not sure, leaving it undefined will work at some cost in speed. 
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal. 
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file. 
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file. 
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>, 
* but does have a BSD-style <strings.h>. 
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the 
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in 
* <sys/types.h> instead. 
*/
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS, 
* unless you are using a large-data memory model or 80386 flat-memory mode. 
* On less brain-damaged CPUs this symbol must not be defined. 
* (Defining this symbol causes large data structures to be referenced through 
* "far" pointers and to be allocated with a special version of malloc.) 
*/
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
 * than the first 15 characters.
 */
#endif

#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
 * unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
 * and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
 * define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
 * actually get "missing structure definition" warnings or errors while
 * compiling the JPEG code.
 */
#endif

#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
 */
#ifdef _WIN32
#ifndef __RPCNDR_H__
/* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN
/* prevent jmorecfg.h from redefining it */
#endif

/*
 * The following options affect code selection within the JPEG library,
 * but they don't need to be visible to applications using the library.
 * To minimize application namespace pollution, the symbols won't be
 * defined unless JPEG_INTERNALS has been defined.
 */
#endif

#ifdef JPEG_INTERNALS

/* Define this if your compiler implements ">>" on signed values as a logical
 * (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
 * which is the normal and rational definition.
 */
#undef RIGHT_SHIFT_IS_UNSIGNED

#endif /* JPEG_INTERNALS */

/*
 * The remaining options do not affect the JPEG library proper,
 * but only the sample applications cjpeg/djpeg (see cjpeg.c, djpeg.c).
 */
* Other applications can ignore these.
*/

#ifdef JPEG_CJPEG_DJPEG

/* These defines indicate which image (non-JPEG) file formats are allowed. */
#define BMP_SUPPORTED /* BMP image file format */
#define GIF_SUPPORTED /* GIF image file format */
#define PPM_SUPPORTED /* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED /* Utah RLE image file format */
#define TARGA_SUPPORTED /* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdout and optionally stdin. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpegc or djpegc.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpegc/djpegc.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jconfig.txt
No license file was found, but licenses were detected in source scan.

/*
* jpeglib.h
*
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* Modified 2002-2009 by Guido Vollbeding.
* Modifications:
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* For conditions of distribution and use, see the accompanying README file.
*
* This file defines the application interface for the JPEG library.
* Most applications using the library need only include this file,
* and perhaps jerror.h if they want to know the exact error codes.
*/

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# For conditions of distribution and use, see the accompanying README file.
* 
* This file contains software version identification.
*/

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# - Neither the name of the libjpeg-turbo Project nor the names of its
#   software without specific prior written permission.

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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jversion.h

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/uninstall.in
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

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Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Brader). This document is available in the IJG FTP archive (see

Block comments should be laid out thusly:

    /*
    *  Block comments in this style.
    */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}
with two spaces per indentation level. (This indentation convention is
handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants
are similar but upper case (MULTI_WORD_NAME). Names should be unique within
the first fifteen characters. (On some older systems, global names must be
unique within six characters. We accommodate this without cluttering the
source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code
transformation to feed prototype-less C compilers. Transformation is done
by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript).
ansi2knr is not very bright, so it imposes a format requirement on function
declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions
should be written in the following style:

    LOCAL(int *)
function_name (int a, char *b)
{
    code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type),
or METHODDEF(type). These macros expand to "static type" or just "type" as
appropriate. They provide a readable indication of the routine's usage and
can readily be changed for special needs. (For instance, special linkage
keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in
structs). We handle these with a macro JMETHOD, defined as
#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif
which is used like this:
struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
};
Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations
(see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype
declaration to coerce actual parameters into the right types. Therefore, use
explicit casts on actual parameters whenever the actual parameter type is not
identical to the formal parameter. Beware of implicit conversions to "int".

It seems there are some non-ANSI compilers in which the sizeof() operator
is defined to return int, yet size_t is defined as long. Needless to say,
this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(),
so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore,
we want it to be reentrant so that it can be used by applications that process
multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc;
   pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static
   wherever possible. (Note that our method-based calling conventions help this
a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeeg.c and djpeeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains portable arithmetic entropy decoding routines for JPEG
 * Both sequential and progressive modes are supported in this single module.
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdarith.c
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/*
 * jcdctmgr.c
 *
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 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
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 *
 * This file contains the forward-DCT management logic.
 * This code selects a particular DCT implementation to be used,
 * and it performs related housekeeping chores including coefficient
 * quantization.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcdctmgr.c

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

/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to output to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jerror.c
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 * CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
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 * POSSIBILITY OF SUCH DAMAGE.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java.in
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
No license file was found, but licenses were detected in source scan.

From c51b666ebcace2adec0cfbe42d25cb418ed0c02a2 Mon Sep 17 00:00:00 2001
From: DRC <information@libjpeg-turbo.org>
Date: Fri, 20 Jul 2018 17:21:36 -0500
Subject: [PATCH] cjpeg: Fix OOB read caused by malformed 8-bit BMP

... in which one or more of the color indices is out of range for the number of palette entries.

Fix partly borrowed from jpeg-9c. This commit also adopts Guido's JERR_PPM_OUTOF RANGE enum value in lieu of our project-specific JERR_PPM_TOOLARGE enum value.

Fixes #258
---

cderror.h | 5 +++--
rdbmp.c   | 7 ++++++--
rdpmm.c   | 4 ++--
3 files changed, 11 insertions(+), 5 deletions(-)

diff --git a/cderror.h b/cderror.h
index d69b501..46b0f49 100644
--- a/cderror.h
+++ b/cderror.h
@@ -2,7 +2,7 @@
cderror.h
* cderror.h
* Copyright (C) 1994-1997, Thomas G. Lane.
- * Modified 2009 by Guido Vollbeding.
+ * This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
@@ -48,6 +48,7 @@
JMESSAGE(JERR_BMP_COLORSPACE, "BMP output must be grayscale or RGB")
JMESSAGE(JERR_BMP_COMPRESSED, "Sorry, compressed BMPs not yet supported")
JMESSAGE(JERR_BMP_EMPTY, "Empty BMP image")
JMESSAGE(JERR_BMP_NOT, "Not a BMP file - does not start with BM")
+JMESSAGE(JERR_BMP_OUTOF RANGE, "Numeric value out of range in BMP file")
JMESSAGE(JTRC_BMP, "%ux%u 24-bit BMP image")
JMESSAGE(JTRC_BMP_MAPPED, "%ux%u 8-bit colormapped BMP image")
JMESSAGE(JTRC_BMP.OS2, "%ux%u 24-bit OS2 BMP image")
@@ -74,8 +75,8 @@ JMESSAGE(JWRN_GIF_NOMOREDATA, "Ran out of GIF bits")
#endif PPM_SUPPORTED
JMESSAGE(JERR_PPM.COLORSPACE, "PPM output must be grayscale or RGB")
JMESSAGE(JERR_PPM_NONNUMERIC, "Nonnumeric data in PPM file")
-JMESSAGE(JERR_PPM_TOOLARGE, "Integer value too large in PPM file")
-JMESSAGE(JERR_PPM.NOT, "Not a PPM/PGM file")
+JMESSAGE(JERR_PPM_OUTOFRANGE, "Numeric value out of range in PPM file")
JMESSAGE(JTRC_PGM, "%ux%u PGM image")
JMESSAGE(JTRC_PGM_TEXT, "%ux%u text PGM image")
JMESSAGE(JTRC_PPM, "%ux%u PPM image")
diff --git a/rdbmp.c b/rdbmp.c
index c053074..7a27cab 100644
--- a/rdbmp.c
+++ b/rdbmp.c
@@ -3,7 +3,7 @@
*
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* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Modified 2011 by Siarhei Siamashka.
* For conditions of distribution and use, see the accompanying README file.

 typedef struct _bmp_source_struct {
 JDIMENSION row_width; /* Physical width of scanlines in file */
    int bits_per_pixel; /* remembers 8- or 24-bit format */
 +    int cmap_length; /* colormap length */
 } bmp_source_struct;

@@ -124,6 +125,7 @@ get_8bit_row (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
{
    bmp_source_ptr source = (bmp_source_ptr) sinfo;
    register JSAMPARRAY colormap = source->colormap;
+    int cmaplen = source->cmap_length;
    JSAMPARRAY image_ptr;
    register int t;
    register JSAMPROW inptr, outptr;
@@ -140,6 +142,8 @@ get_8bit_row (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
            *outptr++ = colormap[0][t]; /* can omit GETJSAMPLE() safely */


*outptr++ = colormap[1][t];
*outptr++ = colormap[2][t];
@@ -399,6 +403,7 @@ start_input_bmp (j_compress_ptr cinfo, cjpeg_source_ptr sinfo)
    source->colormap = (*cinfo->mem->alloc_sarray)
        ((j_common_ptr) cinfo, JPOOL_IMAGE,
            (JDIMENSION) biClrUsed, (JDIMENSION) 3);
+    source->cmap_length = (int)biClrUsed;
    /* and read it from the file */
    read_colormap(source, (int) biClrUsed, mapentrysize);
    /* account for size of colormap */
diff --git a/rdppm.c b/rdppm.c
index 5da1646..59da2bb 100644
--- a/rdppm.c
+++ b/rdppm.c
@@ -76,7 +76,7 @@ typedef struct {
    JSAMPROW pixrow;/* FAR pointer to same */
    size_t buffer_width;/* width of I/O buffer */
    JSAMPLE *rescale;/* => maxval-remapping array, or NULL */
-   int maxval;
+   unsigned int maxval;
} ppm_source_struct;

typedef ppm_source_struct * ppm_source_ptr;
@@ -126,7 +126,7 @@ read_pbm_integer (j_compress_ptr cinfo, FILE * infile, int maxval)
} 

    if (val > maxval)
-      ERREXIT(cinfo, JERR_PPM_TOOLARGE);
+      ERREXIT(cinfo, JERR_PPM_OUTOFRANGE);
    return val;

--
2.17.2

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

/*
 * jcsample.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */
* This file contains downsampling routines.
* 
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
* 
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
* 
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
* 
* An excellent reference for image resampling is
* 
* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.
* 
* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src-rpm-cosi-expand- archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jcsample.c
No license file was found, but licenses were detected in source scan.

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/release/deb-control.tmpl

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/ *
* jsimd_x86_64.c
* *
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
* *
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* *
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
* */
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can...
still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

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******************************************************************************
**     License
******************************************************************************

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libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

Installation Directory

This document assumes that libjpeg-turbo will be installed in the default directory /opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo\[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

Replacing libjpeg at Run Time

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:
[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real  0m0.392s
user  0m0.074s
sys  0m0.020s

[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real  0m0.109s
user  0m0.029s
sys  0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows
-------

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac
Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

========================================
Using libjpeg-turbo in Your Own Programs
========================================

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

CPATH=/c/libjpeg-turbo-gcc[64]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*x systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass -R /opt/libjpeg-turbo/[/lib] to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*x or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

-Wl,-Bstatic -ljpeg -Wl,-Bdynamic

On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command
To build Visual C++ applications using libjpeg-turbo, add
`c:\libjpeg-turbo\include` to the system or user INCLUDE environment
variable and `c:\libjpeg-turbo\lib` to the system or user LIB environment
variable, and then link against either jpeg.lib (to use the DLL version
of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

=====================  
Colorspace Extensions  
=====================  

libjpeg-turbo includes extensions that allow JPEG images to be compressed
directly from (and decompressed directly to) buffers that use BGR, BGRX,
RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new
colorspace constants:

```
JCS_EXT_RGB   /* red/green/blue */  
JCS_EXT_RGBX  /* red/green/blue/x */  
JCS_EXT_BGR   /* blue/green/red */  
JCS_EXT_BGRX  /* blue/green/red/x */  
JCS_EXT_XBGR  /* x/blue/green/red */  
JCS_EXT_XRGB  /* x/red/green/blue */  
JCS_EXT_RGBA  /* red/green/blue/alpha */  
JCS_EXT_BGRA  /* blue/green/red/alpha */  
JCS_EXT_ABGR  /* alpha/blue/green/red */  
JCS_EXT_ARGB  /* alpha/red/green/blue */  
```

Setting `cinfo.in_color_space` (compression) or `cinfo.out_color_space`
(decompression) to one of these values will cause libjpeg-turbo to read the
red, green, and blue values from (or write them to) the appropriate position in
the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile
time with:

```
#ifdef JCS_EXTENSIONS

At run time, attempting to use these extensions with a libjpeg implementation
that does not support them will result in a "Bogus input colorspace" error.
Applications can trap this error in order to test whether run-time support is
available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the
X byte is undefined, and in order to ensure the best performance, libjpeg-turbo
can set that byte to whatever value it wishes. If an application expects the X
byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA,
JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants
are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

```c
#ifdef JCS_ALPHA_EXTENSIONS
```

cjestest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

===================================
libjpeg v7 and v8 API/ABI Emulation
===================================

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of `--with-jpeg7` or `--with-jpeg8` to configure, or an argument of `-DWITH_JPEG7=1` or `-DWITH_JPEG8=1` to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
   libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding
-- libjpeg: In-memory source and destination managers
    See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
    Note that the libjpeg v7+ API was extended to accommodate this feature only
    for convenience purposes. It has always been possible to implement this
    feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the
usefulness of DCT scaling as a means of data reduction and SmartScale as a
means of quality improvement. The reader is invited to peruse the research at
http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions,
but it is the general belief of our project that these features have not
demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
    cinfo.scale_num and cinfo.scale_denom are silently ignored.
    There is no technical reason why DCT scaling could not be supported when
    emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see
    below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and
    8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
    cinfo.block_size is silently ignored.
    SmartScale is an extension to the JPEG format that allows for DCT block
    sizes other than 8x8. Providing support for this new format would be
    feasible (particularly without full acceleration.) However, until/unless
    the format becomes either an official industry standard or, at minimum, an
    accepted solution in the community, we are hesitant to implement it, as
    there is no sense of whether or how it might change in the future. It is
    our belief that SmartScale has not demonstrated sufficient usefulness as a
lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?
-----------------------

libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can’t already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====================================  
In-Memory Source/Destination Managers  
=====================================  

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don’t, and it allows those functions to be provided in the “official” libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg
v6b or v7 API can pass an argument of --without-mem-srcdst to configure or
an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo.
This will restore the pre-1.3 behavior, in which jpeg_mem_src() and
jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes
the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI
emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a
function in a library until that function is actually used. Thus, if a program
is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(),
that program will not fail if run against an older version of libjpeg-turbo or
against libjpeg v7- until the program actually tries to call jpeg_mem_src() or
jpeg_mem_dest(). Such is not the case on Windows. If a program is built
against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(),
then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory
source/destination manager functions. See their respective man pages for more
details.

***********************************************************************
**     Mathematical Compatibility
***********************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg
v6b. The one exception to this is when using the floating point DCT/IDCT, in
which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to
be identical (the accuracy of the floating point DCT/IDCT is constant when
using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on
the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is
still using the same algorithms as libjpeg v6b, so there are several specific
cases in which libjpeg-turbo cannot be expected to produce the same output as
libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8
   implements those scaling algorithms a bit differently than libjpeg v6b does,
   and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this
   with its DCT/IDCT scaling algorithms rather than with a separate
downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also
because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

===============================
Restart Markers
===============================

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

===============================================
Fast Integer Forward DCT at High Quality Levels
===============================================

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/README-turbo.txt
No license file was found, but licenses were detected in source scan.

/*
 * jdtrans.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
This file contains library routines for transcoding decompression, that is, reading raw DCT coefficient arrays from an input JPEG file. The routines in jdapimin.c will also be needed by a transcoder.

*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdtrans.c
No license file was found, but licenses were detected in source scan.

/*
 * jdphuff.c
 *
 * Copyright (C) 1995-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains Huffman entropy decoding routines for progressive JPEG.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 * /

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdphuff.c
No license file was found, but licenses were detected in source scan.

/*
 * jcmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG compressor.
 * These routines are concerned with parameter validation, initial setup,
 * and inter-pass control (determining the number of passes and the work
 * to be done in each pass).
 * /

---

Open Source Used In Elastic Services Controller Software 5.5.0 5351
/*
 * wrbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Microsoft "BMP"
 * format (MS Windows 3.x and OS/2 1.x flavors).
 * Either 8-bit colormapped or 24-bit full-color format can be written.
 * No compression is supported.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * This code contributed by James Arthur Boucher.
 */

/*
 * jcapistd.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-compression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_compress, it will end up linking in the entire compressor.
 * We thus must separate this file from jcapimin.c to avoid linking the
 * whole compression library into a transcoder.
 */
No license file was found, but licenses were detected in source scan.

/*
 * transupp.h

 * Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains declarations for image transformation routines and
 * other utility code used by the jpegtran sample application. These are
 * NOT part of the core JPEG library. But we keep these routines separate
 * from jpegtran.c to ease the task of maintaining jpegtran-like programs
 * that have other user interfaces.
 *
 * NOTE: all the routines declared here have very specific requirements
 * about when they are to be executed during the reading and writing of the
 * source and destination files. See the comments in transupp.c, or see
 * jpegtran.c for an example of correct usage.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/transupp.h

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

/*
 * jaricom.c

 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jaricom.c

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

/*
 * jpegcomp.h
* Copyright (C) 2010, D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* JPEG compatibility macros
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn’t need to include this file.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jpegcomp.h
No license file was found, but licenses were detected in source scan.

/*
 * jdatasrc-tj.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains decompression data source routines for the case of
 * reading JPEG data from memory or from a file (or any stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different source manager.
 * IMPORTANT: we assume that fread() will correctly transcribe an array of
 * JOCTETs from 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatasrc-tj.c
No license file was found, but licenses were detected in source scan.

/*
 * jccoletxt.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009-2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
  archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jccolext.c
No license file was found, but licenses were detected in source scan.

/*
  * jdatadst.c
  *
  * This file was part of the Independent JPEG Group's software:
  * Copyright (C) 1994-1996, Thomas G. Lane.
  * Modified 2009-2012 by Guido Vollbeding.
  * Modifications:
  * Copyright (C) 2013, D. R. Commander.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains compression data destination routines for the case of
  * emitting JPEG data to memory or to a file (or any stdio stream).
  * While these routines are sufficient for most applications,
  * some will want to use a different destination manager.
  * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
  * JOCTETs into 8-bit-wide elements on external storage. If char is wider
  * than 8 bits on your machine, you may need to do some tweaking.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
  archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
  * cderror.h
  *
  * Copyright (C) 1994-1997, Thomas G. Lane.
  * Modified 2009 by Guido Vollbeding.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file defines the error and message codes for the cjpeg/djpeg
  * applications. These strings are not needed as part of the JPEG library
  * proper.
  * Edit this file to add new codes, or to translate the message strings to
  * some other language.
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be suffixed with "f" to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)
[11] Fixed a regression caused by 1.2.0[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
=====

[1] Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form ‘%define' expects a macro identifier’.

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdefg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.
[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
==================

[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient
version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo’s accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building
libjpeg-turbo with older versions of MinGW64, you will now have to add -fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was enabled. This specifically caused the jpegoptim program to fail if it was linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8 emulation.


[7] Eliminated errors in the output of cjpeg on Windows that occurred when the application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
===== 

[1] The algorithm used by the SIMD quantization function cannot produce correct results when the JPEG quality is >= 98 and the fast integer forward DCT is used. Thus, the non-SIMD quantization function is now used for those cases, and libjpeg-turbo should now produce identical output to libjpeg v6b in all cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically use the slow integer forward DCT when generating JPEG images of quality 96 or greater. This reduces compression performance by as much as 15% for these high-quality images but is necessary to ensure that the images are perceptually lossless. It also ensures that the library can avoid the performance pitfall created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.


[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.

[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)

1.0.1

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.
configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
======

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjjpeg, etc.) and man pages.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93
======

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91
======

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
Initial release

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/ChangeLog.txt
No license file was found, but licenses were detected in source scan.

/*
 * jsimd_i386.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on a
 * 32-bit x86 architecture.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd_i386.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmainct.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for decompression.
 * The main buffer lies between the JPEG decompressor proper and the
 * post-processor; it holds downsampled data in the JPEG colorspace.
 *
 * Note that this code is bypassed in raw-data mode, since the application
 * supplies the equivalent of the main buffer in that case.
 */

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

/*
 * jinclude.h
 */
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jpeg symbols, but on really weird systems
* you may have to edit this file.)
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jinclude.h

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

/*
 * rdgif.c
 */
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* This file contains routines to read input images in GIF format.
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,
* the ability to read GIF files has been removed from the IJG distribution.
* Sorry about that.
* 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."
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdgif.c
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jsimd.h
No license file was found, but licenses were detected in source scan.

/*
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 */

rdswitch.c

/*
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to process some of cjpeg's more complicated
 * command-line switches. Switches processed here are:
 * -qtables file  Read quantization tables from text file
 * -scans file   Read scan script from text file
 * -quality N[,N,...] Set quality ratings
 * -qslots N[,N,...] Set component quantization table selectors
 * -sample HxV[,HxV,...] Set component sampling factors
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/rdswitch.c
No license file was found, but licenses were detected in source scan.

;jcolsamp.inc - private declarations for color conversion & up/downsampling
;jcolsamp.inc - private declarations for color conversion & up/downsampling
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; -----------------------------------------------------------------------------

; pseudo-resisters to make ordering of RGB configurable
;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5

%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif

%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
%define mmG mm6
%define mmH mm7
%define xmmG xmm6
%define xmmH xmm7
%endif
;
------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591190217.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-
1.2.90/simd/jcolsamp.inc
No license file was found, but licenses were detected in source scan.

/*
 * wrtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591190217.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-
archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrtarga.c
No license file was found, but licenses were detected in source scan.

/*
 * wrgif.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in GIF format.
 *
**************************************************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* this code has been modified to output "uncompressed GIF" files.       *
* There is no trace of the LZW algorithm in this file.               *
**************************************************************************************************************
 *
 * These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/
/*
* This code is loosely based on ppmto gif from the PBMPPLUS distribution
* of Feb. 1991. That file contains the following copyright notice:
* Based on GIFENCODE by David Rowley <mgardi@watdscu.waterloo.edu>.
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al.
* Copyright (C) 1989 by Jef Poskanzer.
* Permission to use, copy, modify, and distribute this software and its
* documentation for any purpose and without fee is hereby granted, provided
* that the above copyright notice appear in all copies and that both that
* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*
* We are also 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."
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

**USING THE IJG JPEG LIBRARY**

This file was part of the Independent JPEG Group's software:
Copyright (C) 1994-2011, Thomas G. Lane, Guido Vollbeding.
Modifications:
Copyright (C) 2010, D. R. Commander.
For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application
program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the
JPEG library. Also see jpeglib.h (the include file to be used by application
programs) for full details about data structures and function parameter lists.
The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface
presented by IJG version 4 and earlier versions. The old design had several
inherent limitations, and it had accumulated a lot of cruft as we added
features while trying to minimize application-interface changes. We have
sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.

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Decompression parameter selection
Special color spaces
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I/O suspension
Progressive JPEG support
Buffered-image mode
Abbreviated datastreams and multiple images
Special markers
Raw (downsampled) image data
Really raw data: DCT coefficients
Progress monitoring
Memory management
Memory usage
Library compile-time options
Portability considerations
Notes for MS-DOS implementors

You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.

OVERVIEW
========

Functions provided by the library

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a
scanline at a time, using a straightforward uncompressed image format. All
details of color conversion and other preprocessing/postprocessing can be
handled by the library.

The library includes a substantial amount of code that is not covered by the
JPEG standard but is necessary for typical applications of JPEG. These
functions preprocess the image before JPEG compression or postprocess it after
decompression. They include colorspace conversion, downsampling/upsampling,
and color quantization. The application indirectly selects use of this code
by specifying the format in which it wishes to supply or receive image data.
For example, if colormapped output is requested, then the decompression
library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing,
and even more so in decompression postprocessing. The decompression library
provides multiple implementations that cover most of the useful tradeoffs,
ranging from very-high-quality down to fast-preview operation. On the
compression side we have generally not provided low-quality choices, since
compression is normally less time-critical. It should be understood that the
low-quality modes may not meet the JPEG standard's accuracy requirements;
nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of
the ISO JPEG standard; most baseline, extended-sequential, and progressive
JPEG processes are supported. (Our subset includes all features now in common
use.) Unsupported ISO options include:
* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios
We support both 8- and 12-bit data precision, but this is a compile-time
choice rather than a run-time choice; hence it is difficult to use both
precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in
particular the widely used JFIF file format. The library can be used by
surrounding code to process interchange or abbreviated JPEG datastreams that
are embedded in more complex file formats. (For example, this library is
used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
jpeg_read_scanlines(...);
jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().
JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as jpeg_destroy() can work on either type of object.

The JPEG library has no static variables; all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE

Data formats

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel).

PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)
A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element pointer array to conform to this structure. Pointers to JSAMPLE rows are of type JSAMPROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call. It is not possible to process part of a row at a time. Scanlines are always processed top-to-bottom. You can process an entire image in one call if you have it all in memory, but usually it's simplest to process one scanline at a time.

For best results, source data values should have the precision specified by BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress data that's only 6 bits/channel, you should left-justify each value in a byte before passing it to the compressor. If you need to compress data that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12. (See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details, except that colormapped output is supported. (Again, a JPEG file is never colormapped. But you can ask the decompressor to perform on-the-fly color quantization to deliver colormapped output.) If you request colormapped output then the returned data array contains a single JSAMPLE per pixel; its value is an index into a color map. The color map is represented as a 2-D JSAMPARRAY in which each row holds the values of one color component, that is, colormap[i][j] is the value of the i'th color component for pixel value (map index) j. Note that since the colormap indexes are stored in JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE (ie, at most 256 colors for an 8-bit JPEG library).

Compression details
-------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has a bunch of subsidiary structures which are allocated via malloc(), but the application doesn't control those directly.) This struct can be just a local variable in the calling routine, if a single routine is going to execute the whole JPEG compression sequence. Otherwise it can be static or allocated from malloc().

You will also need a structure representing a JPEG error handler. The part
of this that the library cares about is a "struct jpeg_error_mgr". If you are providing your own error handler, you'll typically want to embed the jpeg_error_mgr struct in a larger structure; this is discussed later under "Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object’s "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```c
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (e.g., a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use
setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

- image_width: Width of image, in pixels
- image_height: Height of image, in pixels
- input_components: Number of color channels (samples per pixel)
- in_color_space: Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```c
  cinfo.image_width = Width; /* image width and height, in pixels */
  cinfo.image_height = Height;
  cinfo.input_components = 3; /* # of color components per pixel */
  cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

  jpeg_set_defaults(&cinfo);
  /* Make optional parameter settings here */
```
4. `jpeg_start_compress(...);`

After you have established the data destination and set all the necessary source image info and other parameters, call `jpeg_start_compress()` to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```c
jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called `jpeg_start_compress()`, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
   `jpeg_write_scanlines(...);`

Now write all the required image data by calling `jpeg_write_scanlines()` one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application `cjpeg`.

The library maintains a count of the number of scanlines written so far in the `next_scanline` field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data. `example.c` shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:
JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */

row_stride = image_width * 3;/* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines.

This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen. In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination.

jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.
After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination().
Decompression details
---------------------

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

   This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

   Typical code:

   ```c
   struct jpeg_decompress_struct cinfo;
   struct jpeg_error_mgr jerr;
   ...
   cinfo.err = jpeg_std_error(&jerr);
   jpeg_create_decompress(&cinfo);
   ```

   (Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

   As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

   If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

   ```c
   FILE * infile;
   ...
   if ((infile = fopen(filename, "rb")) == NULL) {
       fprintf(stderr, "can't open %s\n", filename);
       exit(1);
   }
   jpeg_stdio_src(&cinfo, infile);
   ```
where the last line invokes the standard source module.

**WARNING:** it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```c
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if
* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you
May well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

output_width image width and height, as scaled
output_height
out_color_components# of color components in out_color_space
output_components# of color components returned per pixel
colormap the selected colormap, if any
actual_number_of_colors number of entries in colormap

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your
output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library’s internal memory manager to allocate
data buffers (as djpeg does), then the manager’s protocol requires that you
request large buffers *before* calling jpeg_start_decompress(). This is a
little tricky since the output_XXX fields are not normally valid then. You
can make them valid by calling jpeg_calc_output_dimensions() after setting the
relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines()
one or more times. At each call, you pass in the maximum number of scanlines
to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines
actually read. The format of the returned data is discussed under "Data
formats", above. Don't forget that grayscale and color JPEGs will return
different data formats!

Image data is returned in top-to-bottom scanline order. If you must write
out the image in bottom-to-top order, you can use the JPEG library's virtual
array mechanism to invert the data efficiently. Examples of this can be
found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far
in the output_scanline field of the JPEG object. Usually you can just use
this variable as the loop counter, so that the loop test looks like
"while (cinfo.output_scanline < cinfo.output_height)". (Note that the test
should NOT be against image_height, unless you never use scaling. The
image_height field is the height of the original unscaled image.)
The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that
jpeg_read_scanlines() reads at least one scanline per call, until the
bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that
jpeg_read_scanlines() fills it. (The current implementation returns only a
few scanlines per call, no matter how large a buffer you pass.) So you must
always provide a loop that calls jpeg_read_scanlines() repeatedly until the
whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to
complete the decompression cycle. This causes working memory associated with the JPEG object to be released.

Typical code:

```c
jpeg_finish_decompress(&cinfo);
```

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call `jpeg_finish_decompress()` before reading the correct total number of scanlines. If you wish to abort decompression, call `jpeg_abort()` as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling `jpeg_destroy_decompress()` or `jpeg_destroy()`. The previous discussion of destroying compression objects applies here too.

Typical code:

```c
jpeg_destroy_decompress(&cinfo);
```


You can abort a decompression cycle by calling `jpeg_destroy_decompress()` or `jpeg_destroy()` if you don't need the JPEG object any more, or `jpeg_abort_decompress()` or `jpeg_abort()` if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

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

Applications using the JPEG library should include the header file `jpeglib.h` to obtain declarations of data types and routines. Before including `jpeglib.h`, include system headers that define at least the typedefs `FILE` and `size_t`. On ANSI-conforming systems, including `<stdio.h>` is sufficient; on older Unix systems, you may need `<sys/types.h>` to define `size_t`. 
If the application needs to refer to individual JPEG library error codes, also include jerror.h to define those symbols.

jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES
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Compression parameter selection
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This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding.
of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

jpeg_set_defaults (j_compress_ptr cinfo)
This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

jpeg_set_colorscape (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)
Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorscape() before rather than after.

jpeg_default_colorscape (j_compress_ptr cinfo)
Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorscape(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)
Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)
Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise.

force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl, const unsigned int *basic_table, int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).

CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)

The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or
progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker. jpeg_set_defaults() initializes the version to 1.01 (major=minor=1). You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCCK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
Linear quantization scaling factors (0-100, default 100)
for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] values use "linear" scales, so JPEG
quality levels chosen by the user must be converted to these scales
using jpeg_quality_scaling(). Here is an example that corresponds to
cjpeg -quality 90,70:

```c
/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);
jpeg_default_qtables(cinfo, force_baseline);
```

CAUTION: Setting separate quality levels for chrominance and luminance
is mainly only useful if chrominance subsampling is disabled. 2x2
chrominance subsampling (AKA "4:2:0") is the default, but you can
explicitly disable subsampling as follows:

```c
/* Set luminance quality 90. */
cinfo->comp_info[0].v_samp_factor = 1;
/* Set chrominance quality 70. */
cinfo->comp_info[0].h_samp_factor = 1;
```

Pointers to Huffman coding tables, one per table slot, or NULL if
no table is defined for a slot. Slots 0 and 1 are filled with the
JPEG sample tables by jpeg_set_defaults(). If you need to allocate
more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image
by setting optimize_coding, as discussed above; there's seldom
any need to mess with providing your own Huffman tables.

The actual dimensions of the JPEG image that will be written to the file are
given by the following fields. These are computed from the input image
dimensions and the compression parameters by jpeg_start_compress(). You can
also call jpeg_calc_jpeg_dimensions() to obtain the values that will result
from the current parameter settings. This can be useful if you are trying
to pick a scaling ratio that will get close to a desired target size.

- `jpeg_width`: Actual dimensions of output image.
- `jpeg_height`:
Per-component parameters are stored in the struct cinfo.comp_info[i] for component number i. Note that components here refer to components of the JPEG color space, \*not\* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

```c
int component_id
```
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

```c
int h_samp_factor
int v_samp_factor
```
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

```c
int quant_tbl_no
```
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

```c
int dc_tbl_no
int ac_tbl_no
```
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

```c
int component_index
```
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
---------------------------------
Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest)
The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image_width Width and height of image
JDIMENSION image_height
int num_components Number of color components
J_COLOR_SPACE jpeg_color_space Colorspace of image
boolean saw_JFIF_marker TRUE if a JFIF APP0 marker was seen
UINT8 JFIF_major_version Version information from JFIF marker
UINT8 JFIF_minor_version
UINT8 density_unit Resolution data from JFIF marker
UINT16 X_density
UINT16 Y_density
boolean saw_Adobe_marker TRUE if an Adobe APP14 marker was seen
UINT8 Adobe_transform Color transform code from Adobe marker

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

J_COLOR_SPACE out_color_space
Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

unsigned int scale_num, scale_denom
Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors
If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.

The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE no dithering: fast, very low quality
JDITHER_ORDERED ordered dither: moderate speed and quality
JDITHER_FS Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself.
[Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by jpeg_finish_decompress(). Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same
as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.

boolean do_block_smoothing
If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.

boolean enable_1pass_quant
boolean enable_external_quant
boolean enable_2pass_quant
These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *before* jpeg_start_decompress().

JDIMENSION output_width
Actual dimensions of output image.
JDIMENSION output_height
int out_color_components
Number of color components in out_color_space.
int output_components
Number of color components returned.
int rec_outbuf_height
Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying.
Special color spaces
---------------------

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB => YCbCr and CMYK => YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

- RGB => YCbCr
- RGB => GRAYSCALE
- YCbCr => GRAYSCALE
- CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB, YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. jpeg_set_colorspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space.

For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may
well want to change these parameters. See the source code for
jpeg_set_colorspace(), in jcparam.c, for details.

For decompression, the JPEG file's color space is given in jpeg_color_space,
and this is transformed to the output color space out_color_space.
jpeg_read_header's setting of jpeg_color_space can be relied on if the file
conforms to JFIF or Adobe conventions, but otherwise it is no better than a
guess. If you know the JPEG file's color space for certain, you can override
jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also
selects a default output color space based on (its guess of) jpeg_color_space;
set out_color_space to override this. Again, you must select a supported
transformation. jdcolor.c currently supports
YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an
application can force grayscale JPEGs to look like color JPEGs if it only
wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data
(it weights distances appropriately for RGB colors). You'll need to modify
the code if you want to use it for non-RGB output color spaces. Note that
jquant2.c is used to map to an application-supplied colormap as well as for
the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG
files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect.
This is arguably a bug in Photoshop, but if you need to work with Photoshop
CMYK files, you will have to deal with it in your application. We cannot
"fix" this in the library by inverting the data during the CMYK<=>YCCK
transform, because that would break other applications, notably Ghostscript.
Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK
data in the same inverted-YCCK representation used in bare JPEG files, but
the surrounding PostScript code performs an inversion using the PS image
operator. I am told that Photoshop 3.0 will write uninverted YCCK in
EPS/JPEG files, and will omit the PS-level inversion. (But the data
polarity used in bare JPEG files will not change in 3.0.) In either case,
the JPEG library must not invert the data itself, or else Ghostscript would
read these EPS files incorrectly.

Error handling
-------------

When the default error handler is used, any error detected inside the JPEG
routines will cause a message to be printed on stderr, followed by exit().
You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages
somewhere other than stderr. Note that this method does not know
how to generate a message, only where to send it.

format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info
stored in cinfo->err. This method is called by output_message. Few
applications should need to override this method. One possible
reason for doing so is to implement dynamic switching of error message
language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so,
calls output_message. The main reason for overriding this method
would be to abort on warnings. msg_level is -1 for warnings,
0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG
library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to
by the field err->jpeg_message_table. The messages are numbered from 0 to
err->last_jpeg_message, and it is these code numbers that are used in the
JPEG library code. You could replace the message texts (for instance, with
messages in French or German) by changing the message table pointer. See
jerror.h for the default texts. CAUTION: this table will almost certainly
change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are
handled by the same mechanism. The error handler supports a second "add-on"
message table for this purpose. To define an addon table, set the pointer
err->addon_message_table and the message numbers err->first_addon_message and
err->last_addon_message. If you number the addon messages beginning at 1000
or so, you won't have to worry about conflicts with the library's built-in
messages. See the sample applications cjpeg/djpeg for an example of using
addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h:
ERREXITn(...)for fatal errors
WARNMSn(...)for corrupt-data warnings
TRACEMSn(...)for trace and informational messages.
These macros store the message code and any additional parameters into the
error handler struct, then invoke the error_exit() or emit_message() method.
The variants of each macro are for varying numbers of additional parameters.
The additional parameters are inserted into the generated message using
standard printf() format codes.

See jerror.h and jerror.c for further details.
Compressed data handling (source and destination managers)

The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```c
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;      /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

```c
init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.
```
empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

term_destination (j_compress_ptr cinfo)
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer; /* # of bytes remaining in buffer */

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

init_source (j_decompress_ptr cinfo)
Initialize source. This is called by jpeg_read_header() before any data is actually read. Unlike init_destination(), it may leave bytes_in_buffer set to 0 (in which case a fill_input_buffer() call will occur immediately).
fill_input_buffer (j_decompress_ptr cinfo)
This is called whenever bytes_in_buffer has reached zero and more
data is wanted. In typical applications, it should read fresh data
into the buffer (ignoring the current state of next_input_byte and
bytes_in_buffer), reset the pointer & count to the start of the
buffer, and return TRUE indicating that the buffer has been reloaded.
It is not necessary to fill the buffer entirely, only to obtain at
least one more byte. bytes_in_buffer MUST be set to a positive value
if TRUE is returned. A FALSE return should only be used when I/O
suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should
be advanced over num_bytes input bytes, refilling the buffer as
needed. This is used to skip over a potentially large amount of
uninteresting data (such as an APPn marker). In some applications
it may be possible to optimize away the reading of the skipped data,
but it's not clear that being smart is worth much trouble; large
skips are uncommon. bytes_in_buffer may be zero on return.
A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find
a restart (RSTn) marker where one is expected. Its mission is to
find a suitable point for resuming decompression. For most
applications, we recommend that you just use the default resync
procedure, jpeg_resync_to_restart(). However, if you are able to back
up in the input data stream, or if you have a-priori knowledge about
the likely location of restart markers, you may be able to do better.
Read the read_restart_marker() and jpeg_resync_to_restart() routines
in jdmarker.c if you think you'd like to implement your own resync
procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing
as an EOF return. If the end of the file has been reached, the routine has
a choice of exiting via ERREXIT() or inserting fake data into the buffer.
In most cases, generating a warning message and inserting a fake EOI marker
is the best course of action --- this will allow the decompressor to output
however much of the image is there. In pathological cases, the decompressor
may swallow the EOI and again demand data ... just keep feeding it fake EOI.
jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want
the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method
pointers, and insert a pointer to the struct into the "src" field of the JPEG
decompression object. This can be done in-line in your setup code if you
like, but it's probably cleaner to provide a separate routine similar to the
jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination
managers in jdatasrc.c and jdatadst.c.

I/O suspension
--------------

Some applications need to use the JPEG library as an incremental memory-to-
memory filter: when the compressed data buffer is filled or emptied, they want
to return to the outer loop, rather than expecting that the buffer can
be emptied or reloaded within the data source/destination manager subroutine.
The library supports this need by providing an "I/O suspension" mode, which we
describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the
maximum amount of time spent in any one call to the library, so it will not
eliminate response-time problems in single-threaded applications. If you
need guaranteed response time, we suggest you "bite the bullet" and implement
a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application
and the data source or destination manager; you will always need a custom
source/destination manager. (Please read the previous section if you haven't
already.) The basic idea is that the empty_output_buffer() or
fill_input_buffer() routine is a no-op, merely returning FALSE to indicate
that it has done nothing. Upon seeing this, the JPEG library suspends
operation and returns to its caller. The surrounding application is
responsible for emptying or refilling the work buffer before calling the
JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns
FALSE; typically it will not do anything else. This will cause the
compressor to return to the caller of jpeg_write_scanlines(), with the return
value indicating that not all the supplied scanlines have been accepted.
The application must make more room in the output buffer, adjust the output
buffer pointer/count appropriately, and then call jpeg_write_scanlines()
again, pointing to the first unconsumed scanline.
When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although empty_output_buffer() is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:
* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:
* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE. The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of jpeg_read_scanlines(), increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When fill_input_buffer() is called, next_input_byte/bytes_in_buffer point to the current restart point, which is where the decompressor will backtrack to if FALSE is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement bytes_in_buffer to zero, but no more. If the requested skip distance exceeds the amount of data currently in the input buffer, then skip_input_data() must set bytes_in_buffer to zero and record the additional skip distance somewhere else. The decompressor will immediately call fill_input_buffer(), which should return FALSE, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within fill_input_buffer(); the latter is probably more efficient. If fill_input_buffer() knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return TRUE just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this
situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support

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

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a
slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We
should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.

Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is:

jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE; /* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output(); /* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output(); /* terminate output pass */
This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically:

```c
while (!jpeg_input_complete(&cinfo))
```

and the start-output call should read:

```c
jpeg_start_output(&cinfo, cinfo.input_scan_number);
```

The second parameter to `jpeg_start_output()` indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and `jpeg_finish_output()` advances to the next scan or end-of-image marker (hence `input_scan_number` will be incremented by the time control arrives back at `jpeg_start_output()`). With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the `jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output()` sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call `jpeg_finish_decompress()` to release the buffered image (or just use `jpeg_destroy_decompress()`).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine `jpeg_consume_input()`. The return value is one of the following:

- `JPEG_REACHED_SOS`: reached an SOS marker (the start of a new scan)
- `JPEG_REACHED_EOI`: reached the EOI marker (end of image)
- `JPEG_ROW_COMPLETED`: completed reading one MCU row of compressed data
- `JPEG_SCAN_COMPLETED`: completed reading last MCU row of current scan
JPEG_SUSPENDED: suspended before completing any of the above
(JPEG_SUSPENDED can occur only if a suspending data source is used.) This
routine can be called at any time after initializing the JPEG object. It
reads some additional data and returns when one of the indicated significant
events occurs. (If called after the EOI marker is reached, it will
immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input()
whenever the output processing overtakes the input; thus, simple lockstep
display requires no direct calls to jpeg_consume_input(). But by adding
calls to jpeg_consume_input(), you can absorb data in advance of what is
being displayed. This has two benefits:
* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the
  state of the library's input processing.

The first of these benefits only requires interspersing calls to
jpeg_consume_input() with your display operations and any other processing
you may be doing. To avoid wasting cycles due to backtracking, it's best to
call jpeg_consume_input() only after a hundred or so new bytes have arrived.
This is discussed further under "I/O suspension", above. (Note: the JPEG
library currently is not thread-safe. You must not call jpeg_consume_input()
from one thread of control if a different library routine is working on the
same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available
before you start a new output pass, you may as well skip the output pass
corresponding to the completed scan. This occurs for free if you pass
cinfo.input_scan_number as the target scan number to jpeg_start_output().
The input_scan_number field is simply the index of the scan currently being
consumed by the input processor. You can ensure that this is up-to-date by
emptying the input buffer just before calling jpeg_start_output(): call
jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or
JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the
cinfo.output_scan_number field. The library's output processing calls
jpeg_consume_input() whenever the current input scan number and row within
that scan is less than or equal to the current output scan number and row.
Thus, input processing can "get ahead" of the output processing but is not
allowed to "fall behind". You can achieve several different effects by
manipulating this interlock rule. For example, if you pass a target scan
number greater than the current input scan number, the output processor will
wait until that scan starts to arrive before producing any output. (To avoid
an infinite loop, the target scan number is automatically reset to the last
scan number when the end of image is reached. Thus, if you specify a large
target scan number, the library will just absorb the entire input file and
then perform an output pass. This is effectively the same as what
When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);
```

rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
```
break;
}
In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:
* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the end of the file or a SOS marker beyond the target output scan.)

* jpeg_finish_decompress() will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling jpeg_input_complete()).

jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress() all return TRUE if they completed their tasks, FALSE if they had to suspend.

In the event of a FALSE return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. ONLY THE FOLLOWING parameter changes are allowed after jpeg_start_decompress() is called:

* dct_method can be changed before each call to jpeg_start_output(). For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.

* dither_mode can be changed before each call to jpeg_start_output(); of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial max_memory_to_use specification to be exceeded, which in the worst case would result in an out-of-memory failure.

* do_block_smoothing can be changed before each call to jpeg_start_output(). This setting is relevant only when decoding a progressive JPEG image. During the first DC-only scan, block smoothing provides a very "fuzzy" look instead of the very "blocky" look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.

* Color quantization mode can be changed under the rules described below. You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
Selected by setting cinfo.colormap to point to the colormap (the value of two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.

3. Two-pass quantization to a colormap chosen specifically for the image.
   Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL.
   (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!)

These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.)

You do this by setting one or more of these three cinfo fields to TRUE:

- enable_1pass_quant
- enable_external_quant
- enable_2pass_quant

All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:

1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.

2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

   NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

   (These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The
progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images

---------------------------------------------
A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at
If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set optimize_coding = TRUE when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See jpeg_copy_critical_parameters() for an example of copying quantization tables.
To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL*/
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL*/
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

```c
create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
```
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

In some cases, you may want to read a file without knowing whether it contains
an image or just tables. In that case, pass FALSE and check the return value
from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found,
JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value,
JPEG_SUSPENDED, is possible when using a suspending data source manager.)
Note that jpeg_read_header() will not complain if you read an abbreviated
image for which you haven't loaded the missing tables; the missing-table check
occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by
repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence,
without releasing/recreating the JPEG object or the data source module.
(If you did reinitialize, any partial bufferload left in the data source
buffer at the end of one image would be discarded, causing you to lose the
start of the next image.) When you use this method, stored tables are
automatically carried forward, so some of the images can be abbreviated images
that depend on tables from earlier images.

If you intend to write a series of images into a single destination file,
you might want to make a specialized data destination module that doesn't
flush the output buffer at term_destination() time. This would speed things
up by some trifling amount. Of course, you'd need to remember to flush the
buffer after the last image. You can make the later images be abbreviated
ones by passing FALSE to jpeg_start_compress().

Special markers
--------------

Some applications may need to insert or extract special data in the JPEG
datastream. The JPEG standard provides marker types "COM" (comment) and
"APP0" through "APP15" (application) to hold application-specific data.
Unfortunately, the use of these markers is not specified by the standard.
COM markers are fairly widely used to hold user-supplied text. The JFIF file
format spec uses APP0 markers with specified initial strings to hold certain
data. Adobe applications use APP14 markers beginning with the string "Adobe"
for miscellaneous data. Other APPn markers are rarely seen, but might
contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers
and place readable 7-bit ASCII text in them. Newline conventions are not
standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR
(Mac style). A robust COM reader should be able to cope with random binary
garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

```c
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version...
numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling `jpeg_read_header()`, because the markers of interest will typically be near the head of the file and so will be scanned by `jpeg_read_header`. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call `jpeg_save_markers(cinfo, marker_code, length_limit)` where `marker_code` is the marker type to save, JPEG_COM or JPEG_APP0+n. (To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than `length_limit` data bytes, only `length_limit` bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set `length_limit` to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting `length_limit` to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After `jpeg_read_header()` completes, you can examine the special markers by following the `cinfo->marker_list` pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed `length_limit` for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which `jpeg_read_header` stops; if so, the marker list will be
extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:

* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colorspace() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that
jpeg_write_raw_data takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data is measured in terms of the component with the largest v_samp_factor.

jpeg_write_raw_data() processes one MCU row per call, which is to say v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines value must be at least max_v_samp_factor*DCTSIZE, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

\[ cinfo->comp_info[i].width\_in\_blocks*DCTSIZE \text{ samples per row} \]
\[ cinfo->comp_info[i].height\_in\_blocks*DCTSIZE \text{ rows in image} \]

after jpeg_start_compress() has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCTSIZE samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is
\[ cinfo->comp_info[0].h\_samp\_factor = 2 \text{ for Y} \]
\[ cinfo->comp_info[0].v\_samp\_factor = 2 \]
\[ cinfo->comp_info[1].h\_samp\_factor = 1 \text{ for Cb} \]
\[ cinfo->comp_info[1].v\_samp\_factor = 1 \]
\[ cinfo->comp_info[2].h\_samp\_factor = 1 \text{ for Cr} \]
\[ cinfo->comp_info[2].v\_samp\_factor = 1 \]

and suppose that the nominal image dimensions (cinfo->image_width and cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will compute downsampled_width = 101 and width_in_blocks = 13 for Y, downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same for the height fields). You must pad the Y data to at least 13*8 = 104 columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16 scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed, so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row of Y data is dummy, so it doesn't matter what you pass for it in the data arrays, but the scanlines count must total up to 112 so that all of the Cb and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data destination module suspends, jpeg_write_raw_data() will return 0. In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing:
you cannot ask for rescaling or color quantization, for instance. More
seriously, you must deal with the color space and sampling factors present in
the incoming file. If your application only handles, say, 2h1v YCbCr data,
you must check for and fail on other color spaces or other sampling factors.
The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before
jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to
verify that the color space and sampling factors are ones you can handle.
Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The
decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a
buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is
the same as for raw-data compression). The buffer you pass must be large
enough to hold the actual data plus padding to DCT-block boundaries. As with
compression, any entirely dummy DCT blocks are not processed so you need not
allocate space for them, but the total scanline count includes them. The
above example of computing buffer dimensions for raw-data compression is
equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source
module suspends, jpeg_read_raw_data() will return 0. You can also use
buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
---------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT
coefficients. This facility is mainly intended for use in lossless
transcoding between different JPEG file formats. Other possible applications
include lossless cropping of a JPEG image, lossless reassembly of a
multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do
jpeg_read_header() as usual. But instead of calling jpeg_start_decompress()
and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the
entire image into a set of virtual coefficient-block arrays, one array per
component. The return value is a pointer to an array of virtual-array
descriptors. Each virtual array can be accessed directly using the JPEG
memory manager's access_virt_barray method (see Memory management, below,
and also read structure.txt's discussion of virtual array handling). Or,
for simple transcoding to a different JPEG file format, the array list can
just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in
normal array order (not JPEG zigzag order). The block arrays contain only
DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This framish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.
When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety’s sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg_suppress_tables(), or set the tables’ individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring

Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don’t pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library's inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change
it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You can use the same callback routine for both compression and decompression.

The jpeg_progress_mgr struct contains four fields which are set by the library:

- `long pass_counter` /* work units completed in this pass */
- `long pass_limit` /* total number of work units in this pass */
- `int completed_passes` /* passes completed so far */
- `int total_passes` /* total number of passes expected */

During any one pass, `pass_counter` increases from 0 up to (not including) `pass_limit`; the step size is usually but not necessarily 1. The `pass_limit` value may change from one pass to another. The expected total number of passes is in `total_passes`, and the number of passes already completed is in `completed_passes`. Thus the fraction of work completed may be estimated as `completed_passes + (pass_counter/pass_limit)`

```
--------------------------------------------
total_passes
```

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, `pass_limit` can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets `total_passes` based on the assumption that there will be one more output pass if the input file end hasn't yet been read (jpeg_input_complete() isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that `total_passes` will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

Memory management

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

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the
library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

\[
\text{ptr} = (*\text{cinfo->mem->alloc_small}) ((\text{j_common_ptr}) \text{cinfo}, \text{JPOOL_IMAGE}, \text{size});
\]

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object. Use alloc_large instead of alloc_small for anything bigger than a few Kbytes. There are also alloc_sarray and alloc_barray routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (eg, two-pass color quantization) require full-image buffers. Such buffers are treated as "virtual arrays": only the current strip need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no temporary files are used; virtual arrays are simply malloc()'d. Images bigger than memory can be processed only if your system supports virtual memory. The other memory manager back ends support temporary files of various flavors and thus work in machines without virtual memory. They may also be useful on Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for its virtual arrays just big enough to stay within a "maximum memory" setting. Your application can set this limit by setting cinfo->mem->max_memory_to_use after creating the JPEG object. (Of course, there is still a minimum size for the buffers, so the max-memory setting is effective only if it is bigger than the minimum space needed.) If you allocate any large structures yourself, you must allocate them before jpeg_start_compress() or jpeg_start_decompress() in order to have them counted against the max memory limit. Also keep in mind that space allocated with alloc_small() is ignored, on the assumption that it's too small to be worth worrying about; so a reasonable safety margin should be left when setting max_memory_to_use.

If you use the jmemname.c or jmemdos.c memory manager back end, it is important to clean up the JPEG object properly to ensure that the temporary files get deleted. (This is especially crucial with jmemdos.c, where the "temporary files" may be extended-memory segments; if they are not freed, DOS will require a reboot to recover the memory.) Thus, with these memory managers, it's a good idea to provide a signal handler that will trap any early exit from your program. The handler should call either jpeg_abort() or jpeg_destroy() for any active JPEG objects. A handler is not needed with jmemnobs.c, and shouldn't be necessary with jmemansi.c or jmemmac.c either.
since the C library is supposed to take care of deleting files made with tmpfile().

Memory usage
-------------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual color spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.
Library compile-time options

A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and
a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define
BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be
larger than a char, so it affects the surrounding application's image data.
The sample applications cjpeg and djpeg can support 12-bit mode only for PPM
and GIF file formats; you must disable the other file formats to compile a
12-bit cjpeg or djpeg. (install.txt has more information about that.)
At present, a 12-bit library can handle *only* 12-bit images, not both
precisions. (If you need to include both 8- and 12-bit libraries in a single
application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES
for just one of the copies. You'd have to access the 8-bit and 12-bit copies
from separate application source files. This is untested ... if you try it,
we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode,
in order to generate valid Huffman tables. This is necessary because our
default Huffman tables only cover 8-bit data. If you need to output 12-bit
files in one pass, you'll have to supply suitable default Huffman tables.
You may also want to supply your own DCT quantization tables; the existing
quality-scaling code has been developed for 8-bit use, and probably doesn't
generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined
by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we
expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve
performance or reduce memory space by tweaking the various typedefs in
jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s
is quite slow; consider trading memory for speed by making JCOEF, INT16, and
UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int.
You probably don't want to make JSAMPLE be int unless you have lots of memory
to burn.

You can reduce the size of the library by compiling out various optional
functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library;
the standard error message table occupies about 5Kb. This is particularly
reasonable for embedded applications where there's no good way to display
a message anyway. To do this, remove the creation of the message table
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(jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don’t need trace capability anyway, right?

Portability considerations
---------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we’d appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that
- char is at least 8 bits wide
- short is at least 16 bits wide
- int is at least 16 bits wide
- long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg's select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error
handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager "back end" module, so you can use a different memory allocator by replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORT_EXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
--------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600
bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.

Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/libjpeg.txt
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TurboJPEG Java Wrapper

The TurboJPEG shared library can optionally be built with a Java Native Interface wrapper, which allows the library to be loaded and used directly from Java applications. The Java front end for this is defined in several classes located under org/libjpegturbo/turbojpeg. The source code for these Java classes is licensed under a BSD-style license, so the files can be incorporated directly into both open source and proprietary projects without restriction. A Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJEExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.
Installation Directory

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/README
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/ *
  * jdcolext.c
  *
  * This file was part of the Independent JPEG Group's software:
  * Copyright (C) 1991-1997, Thomas G. Lane.
  * Modifications:
  * Copyright (C) 2009, 2011, D. R. Commander.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains output colorspace conversion routines.
*/

Found in path(s):
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/ *
  * cdjpeg.h
  *
  * Copyright (C) 1994-1997, Thomas G. Lane.
  * This file is part of the Independent JPEG Group's software.
  * For conditions of distribution and use, see the accompanying README file.
  *
  * This file contains common declarations for the sample applications
  * cjpeg and djpeg. It is NOT used by the core JPEG library.
*/

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; for more details.
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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst-64.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimmxfst.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2fst.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm

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/ *
* jsimmdct.h
* 
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* 
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
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* 
*/

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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZzt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jsimmdct.h

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* 
* This file contains routines to write JPEG datastream markers.
*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemmgr.c
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/*
 * jmemmgr.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the JPEG system-independent memory management
 * routines. This code is usable across a wide variety of machines; most
 * of the system dependencies have been isolated in a separate file.
 * The major functions provided here are:
 * * pool-based allocation and freeing of memory;
 * * policy decisions about how to divide available memory among the
 *   virtual arrays;
 * * control logic for swapping virtual arrays between main memory and
 *   backing storage.
 * The separate system-dependent file provides the actual backing-storage
 * access code, and it contains the policy decision about how much total
 * main memory to use.
 * This file is system-dependent in the sense that some of its functions
 * are unnecessary in some systems. For example, if there is enough virtual
 * memory so that backing storage will never be used, much of the virtual
 * array control logic could be removed. (Of course, if you have that much
 * memory then you shouldn't care about a little bit of unused code...)
 */

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/jmemmgr.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
This implementation should be more accurate than either of the integer IDCT implementations. However, it may not give the same results on all machines because of differences in roundoff behavior. Speed will depend on the hardware's floating point capacity.

A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

The primary disadvantage of this method is that with a fixed-point implementation, accuracy is lost due to imprecise representation of the scaled quantization values. However, that problem does not arise if we use floating point arithmetic.

```
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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/tjunittest.c
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.c
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/turbojpeg.h
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/java/TJBench.java

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/*
* jsimd_none.c
* 
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* 
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
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* 
* This file contains stubs for when there is no SIMD support available.
*/

Found in path(s):
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/*
 * jsimd_arm.c
 *
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 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
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 *
 * This file contains the interface between the "normal" portions
 * of the library and the SIMD implementations when running on
 * ARM architecture.
 *
 * Based on the stubs from 'jsimd_none.c'
 */

libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100 image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

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Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info


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 *
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 *
 * This file contains a fast, not so accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/ofdctfst.c
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/*
 * wrrle.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in RLE format.
 * The Utah Raster Toolkit library is required (version 3.1 or later).
 *
 * These routines may need modification for non-Unix environments or specialized applications. As they stand, they assume output to an ordinary stdio stream.
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jimmxred.asm
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jccolss2.asm
1.2.90/simd/jdclrmnx.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdclrmnx.asm


* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgmmx.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnts2i-64.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgryss2.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jf3dnflt.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmerss2.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgss2-64.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdsamss2.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqntss.a.s

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcgrass2.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jdmrgss2.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqntsl.ff-64.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jisseflt.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jiss2red.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jclrmmx.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqrnmxx.asm

* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/simd/jcqnt3dn.asm
/*
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 *
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 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 */

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* The PBMPLUS library is NOT required to compile this software
* (but it is highly useful as a set of PPM image manipulation programs).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1007828089_1591902017.54/0/libjpeg-turbo-1.2.90-8.el7.src.rpm-cosi-expand-archive-izMLZnt8/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-Cd49Tbdd/libjpeg-turbo-1.2.90/wrppm.c

1.361 kubernetes-model-common 4.10.2

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* /opt/ws_local/PERMITS_SQL/1069127233_1594491615.74/0/kubernetes-model-common-4-10-2-sources-jar/io/fabric8/kubernetes/model/annotation/ApiVersion.java
* /opt/ws_local/PERMITS_SQL/1069127233_1594491615.74/0/kubernetes-model-common-4-10-2-sources-jar/io/fabric8/kubernetes/model/util/Helper.java
* /opt/ws_local/PERMITS_SQL/1069127233_1594491615.74/0/kubernetes-model-common-4-10-2-sources-jar/io/fabric8/kubernetes/model/annotation/PackageSuffix.java

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1.362 jsr305 3.0.2

1.363 p6spy 3.4.0

1.364 j2objc-annotations 1.3

1.365 jersey 2.29

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## Source Code

The project maintains the following source code repositories:

* https://github.com/eclipse-ee4j/jersey

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* /opt/cola/permits/1137662057_1614114395.63/0/spring-security-crypto-5-2-4-release-sources-1-
  jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/cola/permits/1137662057_1614114395.63/0/spring-security-crypto-5-2-4-release-sources-1-
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  jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java
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  jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
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* /opt/cola/permits/1137662057_1614114395.63/0/spring-security-crypto-5-2-4-release-sources-1-
  jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
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  jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
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  jar/org/springframework/security/crypto/keygen/KeyGenerators.java
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  jar/org/springframework/security/crypto/password/PasswordEncoder.java
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  jar/org/springframework/security/crypto/encrypt/BouncyCastleAesCbcBytesEncryptor.java
* /opt/cola/permits/1137662057_1614114395.63/0/spring-security-crypto-5-2-4-release-sources-1-
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  jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java
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* @author Luke Taylor
* @since 3.0
* @deprecated Use java.util.Base64
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1.374 automation 1.11-8

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* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/ShuffleOperations.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/Datatypes.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/RegExp.java
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* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/MinimizationOperations.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/BasicOperations.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/Transition.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/StatePair.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/RunAutomaton.java
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* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/BasicAutomata.java
* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/DatatypesAutomatonProvider.java
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* /opt/cola/permits/1135840548_1613612864.41/0/automaton-1-11-8-sources-3-jar/dk/brics/automaton/AutomatonMatcher.java
1.375 spring-boot-starter-web 2.2.7.RELEASE

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* /opt/ws_local/PERMITS_SQL/1070773658_1594734094.27/0/spring-boot-starter-web-2-2-7-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-web/pom.xml

1.376 pycrypto 2.6.1

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Last updated: 2009-02-28

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=== EOF ===

1.377 errors v0.8.1

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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 a famous App Path®.
  Since Path® 4.0, it return to use a tab bar instead of a side bar, 
  and also change the menu button. So I try to implement it and then
  the DCPathButton born :)
  DESC

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

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

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

  s.platform = :ios, '7.0'

  s.source = { 
    :git => "https://github.com/Tangdixi/DCPathButton.git", 
  }
end
:tag => "2.1.1"
}
s.source_files = 'DCPathButton/Classes/*.h,m'
s.resources = ['DCPathButton/Sounds/*']
s.frameworks = 'QuartzCore', 'AudioToolbox'
s.requires_arc = true
end

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

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# Acknowledgements

This application makes use of the following third party libraries:

## DCPathButton

The DCPathButton use the MIT license

Generated by CocoaPods - http://cocoapods.org

## 1.388 x-net 0.0.0

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1.389 google-api-go-client 0.25.0

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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) == "\n.go\n" && !bytes.HasPrefix(src, []byte(prefix)) {
    t.Errorf("%v: license header not at the top", path)
}
return nil
})
if err != nil {
    t.Fatal(err)
}

---

1.390 go-colorable v0.0.9

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1.391 asn1crypto 0.23.0

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1.392 libunistring 0.9.3 9.el7

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

1.393 javax-inject 1

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* /opt/cola/permits/1130440205_1612575496.31/0/jnr-ffi-2-2-1-sources-1-jar/jnr/ffi/provider/jffi/AbstractFastNumericMethodGenerator.java

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* /opt/cola/permits/1130440205_1612575496.31/0/jnr-ffi-2-2-1-sources-1-jar/jnr/ffi/byref/AbstractReference.java
* /opt/cola/permits/1130440205_1612575496.31/0/jnr-ffi-2-2-1-sources-1-jar/jnr/ffi/Type.java
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* /opt/cola/permits/1130440205_1612575496.31/0/jnr-ffi-2-2-1-sources-1-jar/jnr/ffi/providers/jffi/platform/bsd/TypeAliases.java
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* /opt/cola/permits/1130440205_1612575496.31/0/jnr-ffi-2-2-1-sources-1-jar/jnr/ffi/mapper/SignatureTypeMapperAdapter.java
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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, Pietek
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vitezslav
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
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
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Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Snchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédric
Marchevius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarer, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
r, Balzs
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

1.412 pciutils 3.5.1-3.el7

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1.419 audit 2.8.5 4.el7

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* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1.jar/org/springframework/boot/context/event/ApplicationStartingEvent.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/ExitCodeGenerator.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/servlet/package-info.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/embedded/tomcat/SslConnectorCustomizer.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/rsocket/server/ConfigurableRSocketServerFactory.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/context/WebServerPortFileWriter.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/servlet/ServletComponentScan.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/web/reactive/server/ReactiveWebServerFactory.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/diagnostics/analyzer/BeanCurrentlyInCreationFailureAnalyzer.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/logging/logback/WhitespaceThrowableProxyConverter.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/ApplicationRunner.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/rsocket/messaging/RSocketStrategiesCustomizer.java
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/org/springframework/boot/jdbc/metadata/CommonsDbcp2DataSourcePoolMetadata.java

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/**
 * A [ @link WebApplicationContext] that can be used to bootstrap itself from a contained
 * [ @link ServletWebServerFactory] bean.
 * <p>
 * This context will create, initialize and run an [ @link WebServer] by searching for a
 * single [ @link ServletWebServerFactory] bean within the [ @link ApplicationContext]
 * itself. The [ @link ServletWebServerFactory] is free to use standard Spring concepts
 */
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* In addition, any [@link Servlet] or [@link Filter] beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').

* For more advanced configuration, the context can instead define beans that implement
* the [@link ServletContextInitializer] interface (most often
* [@link ServletRegistrationBean]s and/or [@link FilterRegistrationBean]s). To prevent
* double registration, the use of [@link ServletContextInitializer] beans will disable
* automatic Servlet and Filter bean registration.

* Although this context can be used directly, most developers should consider using the
* [@link AnnotationConfigServletWebServerApplicationContext] or
* [@link XmlServletWebServerApplicationContext] variants.

* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

Found in path(s):
* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-
  jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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* /opt/cola/permits/1137623243_1614109410.68/0/spring-boot-2-2-7-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot/pom.xml

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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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# 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):
```
  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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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 ...

```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,
    }
);```
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);
```
License Mixing with apps, libcurl and Third Party Libraries

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

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

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

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

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL’s licensing is a problem for you, consider using GnuTLS or yassl instead.

GnuTLS http://www.gnutls.org/

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

yassl http://www.yassl.com/
Open Source Used In Elastic Services Controller Software 5.5.0

(May be used for SSL/TLS support) Uses the GPL[1] license. If this is a problem for you, consider using OpenSSL or GnuTLS instead.

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

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**axTLS**  http://axtls.sourceforge.net/

(May be used for SSL/TLS support) Uses a Modified BSD-style license.

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

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

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

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

**krb4**

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

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

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

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

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

**GNU GSS**  http://www.gnu.org/software/gss/

(May be used for GSS support) GNU GSS is GPL licensed. Note that you
may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

fbopenssl

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

libidn  http://josefsson.org/libidn/

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

OpenLDAP http://www.openldap.org/software/release/license.html

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 http://www.libssh2.org/

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

[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL
[3] = LGPL - GNU Lesser General Public License:
http://www.gnu.org/licenses/lgpl.html
[4] = MPL - Mozilla Public License:
http://www.mozilla.org/MPL/

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1.481 spring-boot-starter-tomcat

2.2.7.RELEASE

1.481.1 Available under license:

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

<name>Apache License, Version 2.0</name>
**1.482 libseccomp 2.3.1 4.el7**

**1.482.1 Available under license :**

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Version 2.1, February 1999

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
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1.484 automat 20.2.0

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1.486 zlib 1.2.7-19.el7_9

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1.487 vic v1.5.1-0.20190403131502-bbfe86ec9443

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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"`
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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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objx - by Mat Ryer and Tyler Bunnell

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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/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 {

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
    // LicenseAssingmentManager.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 {
        return "KEY...
    }


Type string `json:"type"
Message string `json:"message"
Backtrace []StackFrame `json:"backtrace"

struct Notice {
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 (  
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"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 (  
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"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 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"`
}
func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key *string `json:"key,ommitempty"`
    Name *string `json:"name,ommitempty"`
    URL *string `json:"url,ommitempty"`
    SPDXID         *string   `json:"spdx_id,ommitempty"`
    HTMLURL        *string   `json:"html_url,ommitempty"`
    Featured       *bool     `json:"featured,ommitempty"`
    Description    *string   `json:"description,ommitempty"`
    Implementation *string   `json:"implementation,ommitempty"`
    Permissions    *[[]string `json:"permissions,ommitempty"`
    Conditions     *[[]string `json:"conditions,ommitempty"`
    Limitations    *[[]string `json:"limitations,ommitempty"`
    Body           *string   `json:"body,ommitempty"`
}

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 {
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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>>> docker_distribution-28602af35aceda2f8d571bad7ca37a54cf0250bc
>>> docker go-events-aa2e3b613fbfdddb055a7b9e3ee271cfd83eca
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>>> ryanuber_go-glob-256dc444b735e061061cf46c809487313d5b0065
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>>> smartystreets_assertions_internal_oglematchers-287b4346dc471a038c346375a9d572453bc469b
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>>> zenazn/goji-c05078a81941f8e8011ba3dd0e6b86667fd893

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>>> krb5-1.16-2.ph2
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>>> 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
>>> lsif-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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>>> coreutils-8.27-3.ph2
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>>> grep-3.0-4.ph2
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>>> haveged-1.9.1-4.ph2
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>>> glibc-2.26-13.ph2
>>> hawkey-2017.1-6.ph2
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spec-e072eb2390d3a033736a6eb617d30f48369160447.tar.gz/spec-e072eb2390d3a033736a6eb617d30f48369160447.tar/spec-e072eb2390d3a033736a6eb617d30f48369160447/fixtures\expansion\invalid-refs.json

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>>> go-openapi_strfmt-0cb3db44c13bad3b3f567b762a66751972a310cc

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>>> maruel_panicparse_stack-25bcac0d793cf4109483505a0d66e066a3a90a80

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>>> yaml_v2-4c78c975fe7c825c6d1466c42be594d1d6f3aba6
```

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>>> armon\_go-metrics-f303b03b91d770a11a39677f1d3b55da4002bbcb

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misspell-9a1fc2456ac9e8c9b4cbe9d005b6e7adac0d357f.tar.gz

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>>> cpuguy83_go-md2man_md2man-a65d4d2de4d5f7c74868d7afa9b202a3c8be315aaa

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Gocheck - A rich testing framework for Go

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>>> go-martini/martini-22fa46961aabd2665cf3f1343b146d20028f5071

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>>> go-nfs-client-42fca177a36031d648551c751de1daf5f55dd4f0

Go-nfs-client version 0.1

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>>> godbus_dbus-230e4b23db2fd81c53eaa0073f76659d4849ce51

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>>> gogoprotobuf_proto-6a92c871a8f5333cf106b2cdf937567208dbb2b7

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tomb - support for clean goroutine termination in Go.

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```bash
>>> x_crypto_ed25519-728b753d0135da6801d45a38e6f43f55779c5c2
```

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>>> x_crypto_nacl_secretbox-728b753d0135da6801d45a38e6f43ff55779c5c2

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

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

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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>
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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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<ragnar@maculanet>
TH su 1 "18 August 1999" "GNU Shell Utilities 20"

>>> sqlite-3.22.0-3.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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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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line - read one line


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

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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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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.

>>> elfutils-0.169-3.ph2

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Written by Ulrich Drepper <drepper@redhat.com>, 2000.

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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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Hash DRBG with DF with SHA-1, SHA-256, SHA-384, SHA-512 cores
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with and without prediction resistance

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

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

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

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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data 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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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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Version 3, 29 June 2007

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layouts and accessors, or small macros, inline functions and templates
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   a. If it is being maintained, then ask the Current Maintainer to update their communication data within one month.
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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.

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```
pig.dtx
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-------------------------
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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
  }

  // Initialize the license service
  // ...
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"

    "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
    }

    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)
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
}

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)
    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))
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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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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:\tEdition:\tUsed:\tTotal:\n")
    for _, v := range res {
        fmt.Fprintf(tw, "%s\t", v.LicenseKey)
        fmt.Fprintf(tw, "%s\t", v.EditionKey)
        fmt.Fprintf(tw, "%d\t", v.Used)
        fmt.Fprintf(tw, "%d\t", 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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package simulator

)

// EvalLicense is the default license
}
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.IsVPXi() {
    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,

}
func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
  info := EvalLicense
  info.LicenseKey = key
  info.Labels = labels
  return info
}

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

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>>> golang_groupcache_lru-72d04f9fded7d3821820cc4a6f150eae553639a

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google-api-go-client-dfa61ae24628a06502b9e2805d983b57e893999b5\examples\compute.go

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>>> armon_go-metrics-f303b03b91d770a11a39677f1d3b55da4002bbcb

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>>> armon_go-radix-4239b77079c7b5d1243b7b4736304ce8ddb6f0f2

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>>> asaskevich_govalidator-9699ab6b38bee2e02cd3fe8b99ecf67665395c96

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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-22fa46961aabd2665cf3f1343b146d20028f5071

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>>> gogo_protobuf_gogoprot-6a92c871a8f5333cf106b2cdf937562088dbb2b7

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>>> goji/param-d7f49fd7d1ed53fd562e737a8b5bbcc7e3d925e2

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>>> golang_lint-cb00e5669539f047b2f4c53a421a01b0c8e172c6

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>>> graylog2_go-gelf_gelf-master

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>>> julienschmidt/httprouter-975b5c4c7c21c0e3d2764200bf2aa8e34657ae6e

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>>> naoina_denco-9af2ba0e24214bac003821f4a501b131b2e04c75

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>>> puerkitobio_purell-d69616f51cd1d7514d6a380847a152dfe2a749d

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>>> racksec_srslog-a974ba6f7f527d2ddc73ee9c05d3e2ccc0af0dc

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>>> ryanuber_go-glob-256dc44b735e061061cf46c809487313d5b0065

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>>> ugorji_go_codec-708a42d246822952f38190a8d8c4e6b16a0e600c

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>>> x_tools_go_buildutil-381149a2d6e5d8f319ccfc04bfe67e03a78b868

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tools-381149a2d6e5d8f319ccf04bfefc71e03a78b868.tar
tools-381149a2d6e5d8f319ccf04bfefc71e03a78b868/cmd/present/templates/dir.tmpl

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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
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The primary goals of this implementation are portability and ease of use. It is meant to be fast, but not as fast as possible. Some known optimizations are not included to reduce source code size and avoid compile-time configuration.

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

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kadmin/server/ipropd_svc.c
lib/kdb/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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>>> ncurses-6.0-14.ph2

Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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```
-- vile: txmode file-encoding=utf-8

>>> openssh-7.5p1-10.ph2

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@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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>>> pcre-8.41-1.ph2

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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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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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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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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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(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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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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3.31.1\nss\cmd\libpkix\pkix_pl\module\test_socket.c

Test Socket Type

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For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU 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. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

------------- SECTION 4: GNU Library General Public License, V2.0 -------------
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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
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some
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other libraries whose authors decide to use it. You can use it for
your libraries, too.

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in new free programs; and that you know you can do these things.

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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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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.

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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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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
That's all there is to it!

---------- SECTION 5: GNU Lesser General Public License, V2.1 ----------

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Version 2.1, February 1999

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To protect your rights, we need to make restrictions that forbid
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rights. These restrictions translate to certain responsibilities for
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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 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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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
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is invoked, then you must make a good faith effort to ensure that,
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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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application-supplied function or table used by this function must
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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sections when you distribute them as separate works. But when you
distribute the same sections as part of a whole which is a work based
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entire whole, and thus to each and every part regardless of who wrote
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4. You may copy and distribute the Library (or a portion or
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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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Version 3, 29 June 2007

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Version 2.0

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SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

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*/

package license

import (  "context"  "flag"  "context"  "flag"
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:\tScope:\tName:\tLicense:\n")
    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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*** Settings ***
Documentation Test 19-4 - DRS-Disabled-License-Features
Resource ../../resources/Util.robot
Suite Teardown Cleanup VIC Appliance On Test Server

*** Test Cases ***
vic-machine create checks DRS setting and RP options
    Set Environment Variable TEST_TIMEOUT 30m

    ${output}= Install VIC Appliance To Test Server additional-args=--memory 8000 --memory-reservation 512 --memory-shares 6000 --cpu 10000 --cpu-reservation 512 --cpu-shares high
    Should Contain ${output} DRS is recommended, but is disabled
    Should Contain ${output} Memory Limit
    Should Contain ${output} Memory Reservation
    Should Contain ${output} Memory Shares
    Should Contain ${output} CPU Limit
    Should Contain ${output} CPU Reservation
    Should Contain ${output} CPU Shares

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tomb - support for clean goroutine termination in Go.

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/**
 * Constructs a new { @link LocalVariablesSorter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the { @link #LocalVariablesSorter(int, int, String, MethodVisitor)}
 * version.
 *
 * @param access access flags of the adapted method.
 * @param descriptor the method's descriptor (see { @link Type}).
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @throws IllegalStateException if a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1135892456_1613626901.7/0/asm-commons-7-1-sources-2-
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/**
 * Constructs 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 methodVisitor the method visitor to which this adapter delegates calls.
* @param method the method's access flags (see \( @link \) Opcodes)).
* @param name the method's name.
* @param descriptor the method's descriptor (see \( @link \) Type)).
* @throws IllegalStateException if a subclass calls this constructor.
*

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 * Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
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 * version.
 *
 * @param classVisitor a {@link ClassVisitor} to which this visitor will delegate calls.
 * @throws IllegalStateException If a subclass calls this constructor.
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1.491 cyrus-sasl 2.1.26 23.el7

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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/ElementIterator.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/ElementHandler.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/CDATA.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/Document.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/rule/Action.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/rule/Pattern.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/rule/Rule.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/FilterIterator.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/dom/DOMDocumentType.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/dom/DOMDocument.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/id/ElementId.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/IllegalAddException.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/jaxb/JAXBModifier.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/bean/BeanDocumentFactory.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/io/DOMReader.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j/QName.java
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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/VisitorSupport.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/InvalidXPathException.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/XPath.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/bean/BeanMetaData.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/dtd/ElementDecl.java
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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/DefaultCDATA.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/PruningDispatchHandler.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/rule/Stylesheet.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/swing/XMLTableColumnDefinition.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/datatype/DatatypeDocumentFactory.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXEventRecorder.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/dom/DOMEntityReference.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/FlyweightAttribute.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/DocumentFactory.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/DefaultDocument.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/DocumentResult.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXModifyElementHandler.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/util/NodeComparator.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/ProcessingInstruction.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/util/UserDataElement.java
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* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXReader.java
* /opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/io/SAXHelper.java

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1.501 iso8601 0.1.12
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1.502 postgresql-jdbc 42.2.12

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1.503 raft-boltdb v0.0.0-20171010151810-6e5ba93211ea

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

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* /opt/cola/permits/1136828595_1613931018.68/0/spring-context-4-3-21-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java
* /opt/cola/permits/1136828595_1613931018.68/0/spring-context-4-3-21-release-sources-2-jar/org/springframework/jmx/export/MBeanExporterListener.java
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/**
 * [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
 * reference through WebSphere's proprietary [@code AdminServiceFactory] API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the [@code MBeanServer] for bean references.
 * This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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* /opt/cola/permits/1136828595_1613931018.68/0/spring-context-4-3-21-release-sources-2-
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* /opt/cola/permits/1136828595_1613931018.68/0/spring-context-4-3-21-release-sources-2.jar/org/springframework/context/event/GenericApplicationListener.java
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 */
/*
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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*/
/**
 * <p>
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats can
 * be modified; it does not return information about other resource types.
 * </p>
 * <p>
 * The following resource types support longer IDs: <code>instance</code> | <code>reservation</code> | 
 * <code>snapshot</code> | <code>volume</code>.
 * </p>
 * <p>
* These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings by running the `ModifyIdFormat` command. Resources created with longer IDs are visible to all IAM users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.

```java
/**
 * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
 * 
 * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By default, an IAM user defaults to the same settings as the root user. If you're using this action as the root user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for themselves. For more information, see a target="_top">Resource IDs</a> in the <i>Amazon Elastic Compute Cloud User Guide</i>.
 * 
 * Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.
 * 
 * @param modifyIdFormatRequest
 * Contains the parameters of ModifyIdFormat.
 * @return Result of the ModifyIdFormat operation returned by the service.
 */
```

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*/
* The following resource types support longer IDs: `<code>instance</code> | `<code>reservation</code> | `<code>snapshot</code> | `<code>volume</code>.

* `<p>`

* These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
* default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
* by running the `<a href="http://docs.aws.amazon.com//ec2-2016-11-15/ModifyIdFormat">ModifyIdFormat</a>` command. Resources created with longer IDs are visible to all IAM
* users, regardless of these settings and provided that they have permission to use the relevant `<code>Describe</code>
* command for the resource type.

* `<p>`

* @param describeIdFormatRequest
  * Contains the parameters for DescribeIdFormat.
  * @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
  * @sample AmazonEC2Async.DescribeIdFormat

* @see `<a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API
  * Documentation</a>`

/**
* Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
* receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
* `<code>instance</code> | `<code>reservation</code> | `<code>snapshot</code> | `<code>volume</code>.

* `<p>`

* `<p>`

* This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
* default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
* user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
* themselves. For more information, see `<a href="http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resource-ids.html">Resource IDs</a>` in the
* Amazon Elastic Compute Cloud User Guide</i>.

* `<p>`

* `<p>`

* Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and
* provided that they have permission to use the relevant `<code>Describe</code>` command for the resource type.

* `<p>`

* @param modifyIdFormatRequest
  * Contains the parameters of ModifyIdFormat.
  * @return A Java Future containing the result of the ModifyIdFormat operation returned by the service.
  * @sample AmazonEC2Async.ModifyIdFormat

* @see `<a href="http://docs.aws.amazon.com//ec2-2016-11-15/ModifyIdFormat">AWS API
  * Documentation</a>`
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  jar/io.netty.channel/group/ChannelMatcher.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-
  jar/io.netty.channel/group/DefaultChannelGroup.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/DefaultChannelId.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/ChannelProgressivePromise.java
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 */
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its {
* [ @link ChannelPipeline].
* *
* <h3>Sub-types</h3>
* *
* [@link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its subtypes:
* *
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* *
* <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>
* For more information, please refer to the documentation of each subtype.
* *
* *
* <h3>The context object</h3>
* *
* A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext] object. A [@link ChannelHandler] is supposed to interact with the [@link ChannelPipeline] it belongs to via a context object. Using the context object, the [@link ChannelHandler] can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using [@link AttributeKey]s) which is specific to the handler.
* *
* <h3>State management</h3>
* *
* A [@link ChannelHandler] often needs to store some stateful information. The simplest and recommended approach is to use member variables:
* *
* public interface Message {
* // your methods here
* }
*
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; {
* *
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* *
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* *
* public interface Message {
* // your methods here
* }
*
```java
{@code @Override}
public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
    if (message instanceof LoginMessage) {
        authenticate((LoginMessage) message);
        loggedIn = true;
    } else (message instanceof GetDataMessage) {
        if (!loggedIn) {
            ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
        } else {
            fail();
        }
    }
    ...
}

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

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

<h4>Using {@link AttributeKey}s</h4>

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

public interface Message {
    // your methods here
}

public class DataServerHandler extends {@link SimpleChannelInboundHandler}<{@link Message}> {
    private final {@link AttributeKey}<{@link Boolean}> auth =
        {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
```
* { @code @Override}
* public void channelRead(@link ChannelHandlerContext} ctx, Message message) {
*     { @link Attribute}@lt;{ @link Boolean}@gt; attr = ctx.attr(auth);
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
*         <b>attr.set(true)</b>;
*     } else (message instanceof GetDataMessage) {
*         if (Boolean.TRUE.equals(attr.get())@>) {
*             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();
*     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.
* 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/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/SelectStrategy.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/channel/DefaultSelectStrategy.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1-jar/io/netty/bootstrap/ServerBootstrapConfig.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4.1.49-final-sources-1.jar/io/netty/channel/group/DefaultChannelGroupFuture.java
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* /opt/ws_local/PERMITS_SQL/1068232313_1594323914.29/0/netty-transport-4-1-49-final-sources-1.jar/io/netty/channel/embedded/EmbeddedChannelId.java
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1.513 springfox-schema 2.7.0

1.514 keystoneauth1 4.3.1
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1.516 dhcp 4.2.5-82.el7.centos

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2b5b6.

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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<!- $Id$ -->

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

  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$/isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>

<xsl:variable name="isc.copyright.text">
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</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text" select="Copyright (C) | 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:call-template>
    <xsl:text> </xsl:text>
    <xsl:value-of select="holder"/>
  </xsl:call-template>
</xsl:variable>
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1.521 asm 7.1

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb’s passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
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1.523 python-setuptools 44.1.1

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1.526 spring-boot-starter-tomcat

1.5.18.RELEASE

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1.527 grpc-go v1.19.1

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This is free software, and you are welcome to redistribute it 
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate 
parts of the General Public License. Of course, your program's commands 
might be different; for a GUI interface, you would use an "about box".

You should also get your employer (if you work as a programmer) or school, 
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==================

Different licenses apply to different files in this package. Here 
is a rough summary of which licenses apply to which parts of this 
package (but check the individual files to be sure!): 

- liblzma is in the public domain.

- xz, xzdec, and lzmadec command line tools are in the public 
domain unless GNU getopt_long had to be compiled and linked 
in from the lib directory. The getopt_long code is under 
GNU LGPLv2.1+. 
- The scripts to grep, diff, and view compressed files have been adapted from gzip. These scripts and their documentation are under GNU GPLv2+.

- All the documentation in the doc directory and most of the XZ Utils specific documentation files in other directories are in the public domain.

- Translated messages are in the public domain.

- The build system contains public domain files, and files that are under GNU GPLv2+ or GNU GPLv3+. None of these files end up in the binaries being built.

- Test files and test code in the tests directory, and debugging utilities in the debug directory are in the public domain.

- The extra directory may contain public domain files, and files that are under various free software licenses.

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If you have questions, don't hesitate to ask the author(s) for more information.

1.541 springfoxswagger 2.7.0

1.542 hibernate-validator 5.2.1.Final

1.542.1 Available under license:

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 *
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java

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 */

/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 *
 */

/*
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * ("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [link javax.validation.ParameterNameProvider]. By default, [code arg0], [code arg1] etc.
* will be used as parameter names.
* </p>
* </p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* </pre>
* [code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* ]
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/META-INF/validation-mapping-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/util/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/raw/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/descriptor/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/constraints/br/package.html
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/META-
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 */

/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

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 *
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jar/org/hibernate/validator/internal/metadata/aggregated/MetaDataBuilder.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/raw/ConstrainedType.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/NullValidator.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/Version.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/valuehandling/UnwrapValidatedValue.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/EANDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/MapBasedVariableMapper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/DecimalMinDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForReadablePartial.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/ConstraintComposition.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/InterpolationTermState.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/SizeDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/TypeResolutionHelper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/MinDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/ParserState.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/cfg/defs/CreditCardNumberDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/engine/valuehandling/JavaFXPropertyValueUnwrapper.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForCollection.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/Range.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/EAN.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/descriptor/ReturnValueDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/internal/util/privilegedactions/ConstructorInstance.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-jar/org/hibernate/validator/constraints/Range.java
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* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForDate.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintTree.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/spi/valuehandling/package-info.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/metadata/aggregated/UnconstrainedEntityMetaDataSingleton.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/metadata/descriptor/PropertyDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/metadata/raw/ExecutableElement.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/MessageDescriptorFormatException.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/cfg/context/Unwrapable.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForOffsetDateTime.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/metadata/resolver/DefaultTraversableResolver.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/internal/metadata/resolver/CachingTraversableResolverForSingleValidation.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/cfg/context/PropertyConstraintMappingContext.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5.2-1-final-sources.jar/org/hibernate/validator/CFG'
jar/org/hibernate/validator/internal/util/privilegedactions/GetResource.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/cfg/context/DefaultConstraintMapping.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/path/package-info.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/defs/RangeDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/defs/MaxDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/defs/DigitsDef.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/context/MethodTarget.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/context/MethodTarget.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/group/GroupSequenceProvider.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/cfg/context/ReturnValueConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/ParallelMethodsMustNotDefineParameterConstraints.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/metadata/aggregated/ExecutableMetaData.java
* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/annotationfactory/AnnotationProxy.java
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* /opt/ws_local/PERMITS_SQL/1080028307_1597558293.81/0/hibernate-validator-5-2-1-final-sources-
jar/org/hibernate/validator/internal/util/TypeHelper.java

1.543 gson 2.8.6
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
jar/com/google/gson/internal/LinkedTreeMap.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
jar/com/google/gson/internal/LinkedHashTreeMap.java
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jar/com/google/gson/internal/GsonBuildConfig.java

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jar/com/google/gson/internal/reflect/PreJava9ReflectionAccessor.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
jar/com/google/gson/internal/PreJava9DateFormatProvider.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
jar/com/google/gson/internal/reflect/ReflectionAccessor.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
jar/com/google/gson/internal/reflect/UnsafeReflectionAccessor.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonPrimitive.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonDeserializer.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/$Gson$Preconditions.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/Excluder.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonSerializationContext.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonArray.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/Primitives.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/reflect/TypeToken.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/Gson.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonObject.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/GsonBuilder.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonIOException.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonElement.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/FieldNamingPolicy.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/DefaultDateTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/annotations/Until.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/annotations/SerializedName.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/annotations/Expose.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/InstanceCreator.java

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/annotations/JsonAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java

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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/stream/JsonToken.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/stream/JsonWriter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/stream/JsonScope.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/stream/MalformedJsonException.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-
  jar/com/google/gson/stream/JsonReader.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/ConstructorConstructor.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/TimeTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/UnsafeAllocator.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/bind/TreeTypeAdapter.java
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* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/JsonSyntaxException.java
* /opt/cola/permits/1108597571_1606176527.27/0/gson-2-8-6-sources-1-jar/com/google/gson/internal/Streams.java
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1.544 idna 2.4

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```python
import io, sys
from setuptools import setup

version = "2.4"

def main():

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

    arguments = {
        'name': 'idna',
```
'packages': ['idna'],
'version': version,
'description': 'Internationalized Domain Names in Applications (IDNA)',
'long_description': io.open("README.rst", encoding="UTF-8").read(),
'author': 'Kim Davies',
'author_email': 'kim@cynosure.com.au',
'license': 'BSD-like',
'url': 'https://github.com/kjd/idna',
'classifiers': [
    'Development Status :: 5 - Production/ Stable',
    'Intended Audience :: Developers',
    'Intended Audience :: System Administrators',
    'License :: OSI Approved :: BSD License',
    'Operating System :: OS Independent',
    'Programming Language :: Python',
    'Programming Language :: Python :: 2.6',
    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 3',
    'Programming Language :: Python :: 3.3',
    'Programming Language :: Python :: 3.4',
    'Programming Language :: Python :: 3.5',
    'Topic :: Internet :: Name Service (DNS)',
    'Topic :: Software Development :: Libraries :: Python Modules',
    'Topic :: Utilities',
],
'test_suite': 'tests',
]

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsgo/idna-2.4/setup.py
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* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsgo/idna-2.4/idna.egg-info/PKG-INFO
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsgo/idna-2.4/PKG-INFO
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* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/python-idna.spec

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1.550 contextlib2 0.6.0.post1
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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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1.551 pyasn1 0.1.9

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pycparser -- A C parser in Python

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* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/web/mappings/reactive/HandlerFunctionDescription.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/env/EnvironmentEndpointWebExtension.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/mongo/MongoHealthIndicator.java
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/
jar/org/springframework/boot/actuate/endpoint/web/reactive/AbstractWebFluxEndpointHandlerMapping.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/metrics/AutoTimer.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/endpoint/EndpointId.java
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* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/metrics/web/tomcat/TomcatMetricsBinder.java
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* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/metrics/web/reactive/server/DefaultWebFluxTagsProvider.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/metrics/web/servlet/WebMvcTags.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/metrics/web/servlet/DefaultWebMvcTagsProvider.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/health/CassandraHealthIndicator.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/health/CassandraReactiveHealthIndicator.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/cassandra/CassandraReactiveHealthIndicator.java
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/cassandra/CassandraHealthIndicator.java

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Found in path(s):
* /opt/cola/permits/1137623517_1614109285.36/0/spring-boot-actuator-2-2-7-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot-actuator/pom.xml

1.556 libsepol 2.5 10.el7

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1.557 ipalib 4.6.8
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# -*- coding: utf-8 -*-

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1.562 dogpile-cache 1.1.2

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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/encrypt/TextEncryptor.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/po
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*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/UnmodifiableSetDeserializer.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/UserMixin.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/CoreJackson2Module.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/AnonymousAuthenticationTokenMixin.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/UsernamePasswordAuthenticationTokenMixin.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/SimpleGrantedAuthorityMixin.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.920/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/RememberMeAuthenticationTokenMixin.java
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 */

/** *
 * A token issued by [TokenService].
 *
 * <p>
 * It is important that the keys assigned to tokens are sufficiently randomised and
 * secured that they can serve as identifying a unique user session. Implementations of
 * [TokenService] are free to use encryption or encoding strategies of their choice.
 * It is strongly recommended that keys are of sufficient length to balance safety against
 * persistence cost. In relation to persistence cost, it is strongly recommended that
 * returned keys are small enough for encoding in a cookie.
 * </p>
 *
 * @author Ben Alex
 * @since 2.0.1
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/token/Token.java

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jar/org/springframework/security/access/method/MethodSecurityMetadataSource.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureCredentialsExpiredEvent.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/AfterInvocationProvider.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureProviderNotFoundEvent.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/userdetails/jdbc/JdbcDaoImpl.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/SecurityMetadataSource.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/vote/AuthenticatedVoter.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/userdetails/memory/UserAttributeEditor.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/AccessDecisionVoter.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/intercept/aspectj/AspectJCallback.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/jaas/JaasAuthenticationCallbackHandler.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/LoggerListener.java
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jar/org/springframework/security/core/context/ThreadLocalSecurityContextHolderStrategy.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/context/SecurityContext.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/LockedException.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/AuthorizationServiceException.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/core/userdetails/UserDetails.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/util/FieldUtils.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/TestingAuthenticationProvider.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/intercept/aspectj/AspectJCallback.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/jaas/JaasAuthenticationCallbackHandler.java
*/opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/LoggerListener.java
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jar/org/springframework/security/authentication/event/AuthenticationSuccessEvent.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/vote/AbstractAccessDecisionManager.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/event/AuthenticationFailureProxyUntrustedEvent.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/access/intercept/RunAsUserToken.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
jar/org/springframework/security/authentication/jaas/AuthorityGranter.java

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 */
/**
 * Reviews the <code>Object</code> returned from a secure object invocation, being able to
 * modify the <code>Object</code> or throw an [@link AccessDeniedException].
 * Typically used to ensure the principal is permitted to access the domain object
 * instance returned by a service layer bean. Can also be used to mutate the domain object
 * instance so the principal is only able to access authorised bean properties or
 * <code>Collection</code> elements.
 * Special consideration should be given to using an <code>AfterInvocationManager</code>
 * on bean methods that modify a database. Typically an
 * <code>AfterInvocationManager</code> is used with read-only methods, such as
 * <code>public DomainObject getById(id)</code>. If used with methods that modify a
 * database, a transaction manager should be used to ensure any
 * <code>AccessDeniedException</code> will cause a rollback of the changes made by the
 * transaction.
 * @author Ben Alex
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/access/intercept/AfterInvocationManager.java
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* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/password/MessageDigestPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/password/DelegatingPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/core/userdetails/ReactiveUserDetailsPasswordService.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/authentication/DelegatingReactiveAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/jackson2/BadCredentialsExceptionMixin.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/core/Transient.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-jar/org/springframework/security/crypto/password/Pbkdf2PasswordEncoder.java
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 */
/**
 *
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be
 * checked. May be null in which case implementations should return false, as the null
 * condition can be checked explicitly in the expression.
 * @param permission a representation of the permission object as supplied by the
 * expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

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*/

/**
 * Base64 encoder which is a reduced version of Robert Harder's public domain
 * implementation (version 2.3.7). See <a
 * href="http://iharder.sourceforge.net/current/java/base64/"">http://iharder.sourceforge.net/current/java/base64/</a>
 * for more information.
 * <p>
 * For internal use only.
 *
 * @author Luke Taylor
 * @since 3.0
 * @deprecated Use java.util.Base64
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
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*/
/**
* Determines if the { getAuthentication() } has permission to access the target
given the permission
* @param target the target domain object to check permission on
* @param permission the permission to check on the domain object (i.e. "read",
* "write", etc).
* @return true if permission is granted to the { getAuthentication() }, else
* false
*/

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  jar/org/springframework/security/authentication/jaas/DefaultJaasAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
  jar/org/springframework/security/authentication/jaas/AbstractJaasAuthenticationProvider.java
* /opt/ws_local/PERMITS_SQL/1070861410_1594759179.92/0/spring-security-core-5-2-4-release-sources-
  jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java

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

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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.

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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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c) You must cause the whole of the work to be licensed at no
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d) If a facility in the modified Library refers to a function or a
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  is invoked, then you must make a good faith effort to ensure that,
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  table, the facility still operates, and performs whatever part of
  its purpose remains meaningful.

  (For example, a function in a library to compute square roots has
  a purpose that is entirely well-defined independent of the
  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
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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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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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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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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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<td>yes</td>
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isprime.pod
lap.pod
mpi-test.pod
prime.txt
prng.pod

# This file contains a list of people who've made non-trivial contribution to the Google C++ Testing Framework project. People who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADS_CPPFLAGS = -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_SOOPIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed "\n\"s/(\$*)\\.o[ :]\!\$1\\.o : /g\" > $@; \n[ -s $@ ] || rm -f $@' 

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \n| sed "\n\"s/(\$*)\\.o[ :]\!\$1\\.o : /g\" > $@; \n[ -s $@ ] || rm -f $@' 

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s $(<F) $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s $(<F) $.SO.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup
1.585 guava 27.1-jre
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  jar/com/google/common/collect/CollectSpliterators.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/graph/package-info.java

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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-[@code Comparable]
 */
* key. Proper calls will resolve to the version in `ImmutableSortedMap`, not this dummy version.

* @throws UnsupportedOperationException always
* @deprecated Pass a key of type `Comparable` to use `ImmutableSortedMap#of(Comparable, Object)`.
*/

*/

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/hash/Funnels.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/primitives/UnsignedInteger.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/ForwardingCache.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ForwardingExecutorService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/UncheckedExecutionException.java
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jar/com/google/common/base/Ticker.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/reflect/TypeParameter.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/BoundType.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/reflect/Types.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/RegularImmutableMultiset.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/cache/CacheStats.java
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* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/hash/AbstractStreamingHasher.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/hash/AbstractNonStreamingHashFunction.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/ListeningScheduledExecutorService.java
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* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/hash/AbstractCompositeHashFunction.java
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  jar/com/google/common/math/LinearTransformation.java
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  jar/com/google/common/collect/ImmutableRangeMap.java
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jar/com/google/common/util/concurrent/RateLimiter.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/LongAddable.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/reflect/Invokable.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/reflect/AbstractInvocationHandler.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/ListenableScheduledFuture.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/util/concurrent/AbstractService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/reflection/TypeResolver.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/net/UrlEscapers.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/RegularImmutableTable.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/MapMakerInternalMap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/HostSpecifier.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/HostSpecifier.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/PatternCompiler.java

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 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/DescendingMultiset.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/Table.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/Platform.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/ImmutableEntry.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/MoreCollectors.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/graph/ConfigurableMutableValueGraph.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/graph/ImmutableGraph.java
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jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
jar/com/google/common/graph/PredecessorsFunction.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/primitives/Floats.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/FluentIterable.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/Gwt transient.java

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*/
/**
* Returns an array containing all of the elements in the specified collection. This method
* returns the elements in the order they are returned by the collection's iterator. The returned
* array is "safe" in that no references to it are maintained by the collection. The caller is
* thus free to modify the returned array.
*
* <p>This method assumes that the collection size doesn't change while the method is running.
* <p>TODO(kevinb): support concurrently modified collections?
* *
* @param c the collection for which to return an array of elements
*/

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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
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  jar/com/google/common/util/concurrent/CollectionFuture.java
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* /opt/cola/permissions/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/AbstractBiMap.java
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* /opt/cola/permissions/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/ForwardingQueue.java
* /opt/cola/permissions/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/MutableClassToInstanceMap.java
* /opt/cola/permissions/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permissions/110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collection/EnumBiMap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/base/Functions.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2.jar/com/google/common/collect/EnumMultiset.java
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 ***/

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

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collect/JdkBackedImmutableSet.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/MoreObjects.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/collection/BaseImmutableMultimap.java
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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/Runnables.java

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-jar/com/google/common/util/concurrent/Monitor.java
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jar/com/google/common/collection/RangeSet.java
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jar/com/google/common/collection/GeneralRange.java
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* the License.
*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1110923413_1606872220.46/0/guava-27-1-jre-sources-2-
  jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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jar/org/springframework/boot/actuate/autoconfigure/security/servlet/ManagementWebSecurityAutoConfiguration.java

* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/package-info.java

* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/jolokia/package-info.java

* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/web/server/EnableManagementContext.java


* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/context/package-info.java

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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/cassandra/CassandraReactiveHealthContributorAutoConfiguration.java

* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2.2.7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/metrics/export/atlas/AtlasProperties.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/trace/http/package-info.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/info/ConditionalOnEnabledInfoContributor.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerExceptionResolver.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/amqp/package-info.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/metrics/export/amqp/RabbitConnectionFactoryMetricsPostProcessor.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/web/reactive/ReactiveManagementChildContextConfiguration.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/beans/BeansEndpointAutoConfiguration.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointReactiveWebExtensionConfiguration.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/ElasticsearchClientHealthContributorAutoConfiguration.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/logging/LogFileWebEndpointProperties.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/autoconfigure/metrics/cache/package-info.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/autoconfigure/health/HealthEndpointProperties.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/autoconfigure/config/HealthEndpointProperties.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/web/server/ManagementServerProperties.java
* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/metrics/jdbc/package-info.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1.jar/org/springframework/boot/actuate/autoconfigure/metrics/export/atlas/package-info.java
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* /opt/cola/permits/1137623595_1614109220.57/0/spring-boot-actuator-autoconfigure-2-2-7-release-sources-1-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/properties/PushRegistryPropertiesConfigAdapte
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1.587 junixsocket-common 2.2.0

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

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

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

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

6. As an exception to the Sections above, you may also 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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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.

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1.603 mitchellh-mapstructure v1.1.2

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* /opt/cola/permits/1130440199_1612575454.68/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/PollSelectionKey.java
* /opt/cola/permits/1130440199_1612575454.68/0/jnr-enxio-0-32-3-sources-jar/jnr/enxio/channels/WinLibCAdapter.java

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SNMP4J-Agent 2 - MOTableIndex.java

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* /opt/cola/permits/1137662084_1614114386.46/0/snmp4j-agent-2-7-4-sources-1-
jar/org/snmp4j/agent/SerializableManagedObject.java
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jar/org/snmp4j/agent/io/DefaultMOPersistenceProvider.java
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* /opt/cola/permits/1137662084_1614114386.46/0/snmp4j-agent-2-7-4-sources-1-jar/org/snmp4j/agent/mo/snmp/SnmpAdminString.java

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jar/org/snmp4j/agent/mo/MOFactory.java

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1.606 jul-to-slf4j 1.7.25

1.607 eclipselink 2.5.1
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 * */
public abstract class AbstractCopyPolicy implements CopyPolicy {
  protected ClassDescriptor descriptor;

  public AbstractCopyPolicy() {
    super();
  }

  public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

  /**
   * By default use the buildClone.
   */
  public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    return buildClone(domainObject, session);
  }

  /**
   * By default create a new instance.
   */
  public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
                                             UnitOfWork uow) throws DescriptorException {
    return this.descriptor.getObjectBuilder().buildNewInstance();
/**
 * INTERNAL:
 * Clones the CopyPolicy
 */

public Object clone() {
    try {
        // clones itself
        return super.clone();
    } catch (Exception exception) {
    } return null;
}

/**
 * Return the descriptor.
 */

protected ClassDescriptor getDescriptor() {
    return descriptor;
}

/**
 * Do nothing by default.
 */

public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */

public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}

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*******************************************************************************
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy when weaving is used.
 * It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
 */
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {
        super();
    }

    public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public Object buildClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public boolean buildsNewInstance() {
        return false;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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package org.eclipse.persistence.descriptors.copying;
import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.sessions.AbstractRecord;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/**
 * Purpose: Allows a clone of an object to be created with a method that returns
 * the cloned object.
 *
 * It is possible to define methods for two types of clones
 *
 * 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
 *    own internal use. The objects created by this method will not be visible to the user, and
 *    instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
 *    also be in place of the workingCopyMethod if it is not provided
 *
 * 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
 *    Object is registered in a UnitOfWork
 */

public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
    protected transient Method workingCopyMethod;

    public CloneCopyPolicy() {
        super();
    }

    /**
     * Clone through calling the clone method.
     */
    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() == null) {
            return getDescriptor().getObjectBuilder().buildNewInstance();
        }
        try {
            return doClone(domainObject, session);
        }
    }

    private Object doClone(Object domainObject, Session session) {
        // ...
if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
    try {
        return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject, new Object[0]));
    } catch (PrivilegedActionException exception) {
        Exception throwableException = exception.getException();
        if (throwableException instanceof IllegalAccessException) {
            throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), throwableException);
        } else {
            throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), throwableException);
        }
    } else {
        return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
    }
} catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), exception);
} catch (InvocationTargetException exception) {
    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), exception);
}

/**
 * Clone through the workingCopyClone method, or if not specified the clone method.
 */
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    if (this.getWorkingCopyMethodName() == null) {
        //not implemented to perform special operations.
        return this.buildClone(domainObject, session);
    }
    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(), domainObject, new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(), this.getDescriptor(), throwableException);
                }
            } else {
                return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
            }
        } else {
            return this.buildClone(domainObject, session);
        }
    }
}
this.getDescriptor(), throwableException);

} else {
    return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new Object[0]);
}

} catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), exception);
} catch (InvocationTargetException exception) {
    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), exception);
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
       UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
    ObjectBuilder builder = getDescriptor().getObjectBuilder();
    if (getWorkingCopyMethodName() != null) {
        Object original = builder.buildNewInstance();
        builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
        return buildWorkingCopyClone(original, query.getSession());
    } else {
        return builder.buildNewInstance();
    }

    /**
     * Return the clone method.
     */
    protected Method getMethod() {
        return method;
    }

    /**
     * Return the clone method name.
     */
    public String getMethodName() {
        return methodName;
    }
/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            this.setMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(), this.getMethodName(), new Class[0]));
        }
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
    if (this.getWorkingCopyMethodName() != null) {
        try {
            this.setWorkingCopyMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(), this.getWorkingCopyMethodName(), new Class[0]));
        } catch (NoSuchMethodException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        } catch (SecurityException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        }
    }
}

/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}

/**
 * Set the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
 * Set the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

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package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 * @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
 * @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
 */
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     */
    Object buildClone(Object object, Session session) throws DescriptorException;

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     */
    Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

    /**
     * Return an instance with the primary key set from the row, used for building a working copy during a unit of
     * work transactional read.
     */
    Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException;
}
/**
 * Clone the CopyPolicy.
 */
Object clone();

/**
 * Allow for any initialization or validation required.
 */
void initialize(Session session) throws DescriptorException;

/**
 * Set the descriptor.
 */
void setDescriptor(ClassDescriptor descriptor);

/**
 * Return if this copy policy creates a new instance, vs a clone.
 */
boolean buildsNewInstance();

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 */
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * Purpose: This is the default copy policy.
 *
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }
}
public Object buildClone(Object domainObject, Session session) throws DescriptorException {
    return getDescriptor().getObjectBuilder().buildNewInstance();
}

public boolean buildsNewInstance() {
    return true;
}

public String toString() {
    return Helper.getShortClassName(this) + "()";
}

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1.608 rpm 4.11.3-45.el7

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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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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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1.611 kerberos 1.18.3

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lib/krb5/kdb/kdb_hdr.h
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lib/krb5/kdb/kdb_log.h
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lib/libgss/g_acquire_cred.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/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_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
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lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
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lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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1.615 babel 0.9.6

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/**
* Retrieves constraint related meta data for the parameters of the given
* executable.

* 

* @param executable The executable of interest.

* 

* @return A list with parameter meta data for the given executable.

*/

Found in path(s):
* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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~

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Found in path(s):
* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-configuration-2.0.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-mapping-2.0.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-mapping-1.1.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-mapping-1.0.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-configuration-1.1.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/META-INF/validation-configuration-1.0.xsd

* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/overview.html

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* /opt/cola/permits/1110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/constraints/Currency.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/util/annotation/AnnotationFactory.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForInteger.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/package-info.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/descriptor/CrossParameterDescriptorImpl.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/rule/VoidMethodsMustNotBeReturnValueConstrained.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/xml/mapping/DefaultPackageStaxBuilder.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/rule/ReturnValueMayOnlyBeMarkedOnceAsCascadedPerH

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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6.0-11-final-sources-1.jar/org/hibernate/validator/cfg/defs/CPFDef.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6.0-11-final-sources-1.jar/org/hibernate/validator/cfg/defs/EmailDef.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6.0-11-final-sources-1.jar/org/hibernate/validator/internal/cfg/context/GroupConversionTargetContextImpl.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6.0-11-final-sources-1.jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/package-info.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6.0-11-final-sources-1.jar/org/hibernate/validator/internal/metadata/raw/AbstractConstrainedElement.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/raw/ConstrainedParameter.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/cfg/defs/UniqueElementsDef.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForDouble.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/cfg/defs/LengthDef.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/facets/Cascadable.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/aggregated/MetaDataBuilder.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/engine/groups/package-info.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/cfg/context/ParameterConstraintMappingContextImpl.java
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* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenIterator.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/InterpolationTermState.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/metadata/raw/ConfigurationSource.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/engine/scripting/package-info.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/cfg/context/DefaultConstraintMapping.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/DigitsValidatorForNumber.java
* /opt/cola/permits/110675269_1606843471.5/0/hibernate-validator-6-0-11-final-sources-1-jar/org/hibernate/validator/internal/engine/constraintvalidation/package-info.java
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 */

/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */

/**
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * @link java.validation.ParameterNameProvider}. By default, {code arg0}, {code arg1} etc.
 * will be used as parameter names.
 */
The following listing shows an example using the JavaScript engine which comes with the JDK:

```javascript
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) { ... }
```

Can be specified on any method or constructor.

@author Gunnar Morling

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* Project: http://www.pasella.it/projects/jquery/barcode
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* Purdue University
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import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * 
```
* @return an optional URL for the license.
* /
String url() default "";
}

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  jar/com/trilead/ssh2/crypto/cipher/BlowFish.java
* /opt/cola/permits/1149072743_1618429227.28/0/trilead-ssh2-1.0.0-build220-sources-1-
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* /opt/cola/permits/1149072743_1618429227.28/0/trilead-ssh2-1-0-0-build220-sources-1-
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jar/com/trilead/ssh2/crypto/cipher/DES.java

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1.633 go-msgpack v0.5.5

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1.634 libdrm 2.4.97-2.el7

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1.635 jsonschema 2.5.1

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1.636 sed 4.2.2-7.el7

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* Frodo Looijaard
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  Original author of sensord.
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final class Version {
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converted to python May 2008
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1.656 javax-persistence 2.1.0

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 * Set the [@code TCP_MD5SIG] option on the socket. See [@code linux/tcp.h] for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
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1.661 armon-circbuf v0.0.0-20150827004946-bbbad097214e

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1.662 jackson-datatype-jsr310 2.10.4

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1.663 pam 0.83.1

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1.664 swagger 1.5.13
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import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.LinkedHashMap;
import java.util.Map;

public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }
}
return name;
}

public void setName(String name) {
    this.name = name;
}

public String getUrl() {
    return url;
}

public void setUrl(String url) {
    this.url = url;
}

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
    return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
    this.vendorExtensions = vendorExtensions;
}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((name == null) ? 0 : name.hashCode());
    result = prime * result + ((url == null) ? 0 : url.hashCode());
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (obj == null) {
        return false;
    }
    if (obj == null) {
        return false;
    }
}
if (getClass() != obj.getClass()) {
    return false;
}
License other = (License) obj;
if (name == null) {
    if (other.name != null) {
        return false;
    }
} else if (!name.equals(other.name)) {
    return false;
}
if (url == null) {
    if (other.url != null) {
        return false;
    }
} else if (!url.equals(other.url)) {
    return false;
}
return true;
}
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import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

1.665 httpunix v0.0.0-20150427012821-b75d8614f926

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1.666 netifaces 0.10.4
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Metadata-Version: 1.1
Name: netifaces
Version: 0.10.4
Summary: Portable network interface information.
Home-page: https://bitbucket.org/al45tair/netifaces
Author: Alastair Houghton
Author-email: alastair@alastairs-place.net
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Description: netifaces 0.10.4

.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?
First you need to install it, which you can do by typing::

```
tar xvzf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install
```

Once that's done, you'll need to start Python and do something like the following::

```
>>> import netifaces

>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```
>>> netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first::

```
 { 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is "AF_LINK" (which means the link layer interface, e.g. Ethernet), 2 is "AF_INET" (normal Internet addresses), and 30 is "AF_INET6" (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the "AF_INET" addresses now:
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]

Note that this may not be available on platforms without getifaddrs(), unless they happen to implement "SIOCGIFHWADDR". Note also that you just get the address; it's unlikely that you'll see anything else with an "AF_LINK" address. Oh, and don't assume that all "AF_LINK" addresses are Ethernet; you might, for instance, be on a Mac, in which case:

>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire
As of version 0.10.0, you can also obtain a list of gateways on your machine:

```python
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family---in this case, `AF_INET`---and each entry is a list of gateways as `(address, interface, is_default)` tuples. Notice that here we have two separate gateways for IPv4 (`AF_INET`); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value `'default'`, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```python
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for `AF_INET`.

BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the `gateways()` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

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It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and wish to contribute a patch, please use BitBucket to send a pull request.

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

Because someone released a fork of netifaces with the version 0.9.0.
Hopefully skipping the version number should remove any confusion. In
addition starting with 0.10.0 Python 3 is now supported and other
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Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
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Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.5
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3

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* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/netifaces.egg-info/PKG-INFO
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netifaces 0.10.4
================
.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?  
----------------

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can easy_install that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?  
------------------

First you need to install it, which you can do by typing::

tar xvzf netifaces-0.10.4.tar.gz  
 cd netifaces-0.10.4  
 python setup.py install

Once that's done, you'll need to start Python and do something like the following::

>>> import netifaces

Then if you enter

>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

>>> netifaces.ifaddresses('lo0')

{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 17: [{'addr': ''}], 16: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 1: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]}

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Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first:

```python
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is `AF_LINK` (which means the link layer interface, e.g. Ethernet), 2 is `AF_INET` (normal Internet addresses), and 30 is `AF_INET6` (IPv6).

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No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.

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('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family;
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Found in path(s):
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/README.rst
No license file was found, but licenses were detected in source scan.

license="MIT License",
'License :: OSI Approved :: MIT License',

Found in path(s):
* /opt/cola/permits/1119811825_1609793496.72/0/netifaces-0-10-4-1-tar-gz/netifaces-0.10.4/setup.py

1.667 tomcat 8.5.35
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jar/org/springframework/context/i18n/SimpleLocaleContext.java
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  jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
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*/
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */

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*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/remoting/RemoteInvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/InvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/remoting/RemoteInvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/InvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
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*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/InvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/remoting/RemoteInvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/InvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/remoting/RemoteInvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/jmx/access/InvocationFailureException.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/instrument/classloading/LoadTimeWeaver.java
*/opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2.jar/org/springframework/remoting/RemoteInvocationFailureException.java
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Found in path(s):

*/
jar/org/springframework/context/annotation/Description.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/format/datetime/joda/DateTimeParser.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/context/i18n/TimeZoneAwareLocaleContext.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/jmx/export/SpringModelMBean.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/jmx/export/metadata/ManagedOperationParameter.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/context/annotation/PropertySources.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/scheduling/annotation/AsyncConfigurerSupport.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/context/ApplicationContext.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/format/AnnotationFormatterFactory.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/cache/interceptor/BasicOperation.java
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/validation/annotation/Validated.java

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*/
/**
* Indicates that a component is only eligible for registration when all
* { [@linkplain #value specified conditions] match.
* *
* <p>A <em>condition</em> is any state that can be determined programatically
* before the bean definition is due to be registered (see { [@link Condition] for details).
* *
* <p>The { [@code @Conditional] annotation may be used in any of the following ways:
<ul>
<li>as a type-level annotation on any class directly or indirectly annotated with
   <code>@Component</code>, including <code>@Configuration</code> classes</li>
<li>as a meta-annotation, for the purpose of composing custom stereotype
   annotations</li>
<li>as a method-level annotation on any <code>@Bean</code> method</li>
</ul>

If a <code>@Configuration</code> class is marked with <code>@Conditional</code>, all of the <code>@Bean</code> methods, <code>@Import</code> annotations, and <code>@ComponentScan</code> annotations associated with that class will be subject to the conditions.

**NOTE**: Inheritance of <code>@Conditional</code> annotations is not supported; any conditions from superclasses or from overridden methods will not be considered. In order to enforce these semantics, <code>@Conditional</code> itself is not declared as <code>@Inherited</code>; furthermore, any custom <code>@Conditional</code> must not be declared as <code>@Inherited</code>.

@author Phillip Webb
@since 4.0
@see Condition

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 */
/**
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer} reference through WebSphere's proprietary {@code AdminServiceFactory} API, available on WebSphere 5.1 and higher.

* <p>Exposes the {@code MBeanServer} for bean references.

* <p>This {@code FactoryBean} is a direct alternative to {@link MBeanServerFactoryBean}, which uses standard JMX 1.2 API to access the platform's {@link MBeanServer}.

* <p>See the javadocs for WebSphere's


* @author Juergen Hoeller

* @author Rob Harrop

* @since 2.0.3

* @see java.management.MBeanServer

* @see MBeanServerFactoryBean

*/

Found in path(s):
* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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*/

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* /opt/cola/permits/1136375446_1613753042.17/0/spring-context-5-2-6-release-sources-2-
1.669 kmod 20 28.el7

1.669.1 Available under license:

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Version 2.1, February 1999

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1.678 jansson 2.10 1.el7

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1.679 diffutils 3.3 5.el7

1.679.1 Available under license :

/* 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 <preargs.h>
#include <prognname.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[] =

/* 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_BLANKEMPTY_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, 'T'},
{"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, 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;
    int ocontext = -1;
    bool explicit_context = false;
size_t width = 0;
bool show_c_function = false;
char const *from_file = NULL;
char const *to_file = NULL;
uintmax_t numval;
char *numend;

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

/* Decode the options. */

while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
    switch (c)
    {
    case 0:
        break;
    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':
    case '6':
    case '7':
    case '8':
    case '9':
        if (! ISDIGIT (prev))
            ocontext = c - '0';
        else if (LIN_MAX / 10 < ocontext
            || ((ocontext = 10 * ocontext + c - '0') < 0))
            ocontext = LIN_MAX;
        break;
    case 'a':
        text = true;
        break;
    }
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 "", optarg);
        if (LIN_MAX < numval)
            numval = LIN_MAX;
        }
        else
            numval = 3;

        specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
        if (context < numval)
            context = numval;
        explicit_context = true;
    }
    break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;

case 'D':
specify_style (OUTPUT_IFDEF);
{
    static char const C_ifdef_group_formats[] =
    "%%=%c#ifndef %s
    %<#endif /* ! %s */
    %#ifdef %s
    #endif /* %s */
    %ifndef %s
    %<#else /* %s */
    #endif /* %s */
    
char *b = xmalloc(sizeof C_ifdef_group_formats
    + 7 * strlen(optarg) - 14 /* 7*"%s" */
    - 8 /* 5*"%c" + 3*"%c" */);
    sprintf(b, C_ifdef_group_formats,
    optarg, optarg, optarg,
    optarg, optarg, optarg);
    for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
        specify_value(&group_format[i], b, "-D");
    b += strlen(b) + 1;
}
break;

case 'e':
    specify_style (OUTPUT_ED);
    break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'f':
    specify_style (OUTPUT_FORWARD_ED);
    break;

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

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

case 'H':
    /* Split the files into chunks for faster processing.
     * Usually does not change the result.
     */
    speed_large_files = true;
    break;
case 'i':
    ignore_case = true;
    break;

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

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

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

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

case 'N':
    new_file = true;
    break;

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

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
    brief = true;
break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

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

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

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

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

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;

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

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

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ('invalid width "%s"', optarg);
    if (width != numval)
        
        if (width)
            fatal ('conflicting width options');
            width = numval;
        
    break;

case BINARY_OPTION:
    #if O_BINARY
        binary = true;
        if (! isatty (STDOUT_FILENO))
            set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

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

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

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

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

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

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

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

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

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize "'%s'", optarg);
    if (tabsize != numval)
        { if (tabsize)
            fatal ("conflicting tabsize options");
        }
tabsize = numval;
}
break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
case OLD_LINE_FORMAT_OPTION:
case NEW_LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_LINE_FORMAT_OPTION;
    specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
case OLD_GROUP_FORMAT_OPTION:
case NEW_GROUP_FORMAT_OPTION:
case CHANGED_GROUP_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_GROUP_FORMAT_OPTION;
    specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
}
    prev = c;
}

if (output_style == OUTPUT_UNSPECIFIED)
{
    if (show_c_function)
    {
        specify_style (OUTPUT_CONTEXT);
        if (ocontext < 0)
            context = 3;
    }
    else
        specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
    #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \
        || defined HAVE_STRUCT_STAT_ST_SPARE1)
        time_format = "%Y-%m-%d %H:%M:%S.%N %z";
    

    

}
#else
    time_format = "%Y-%m-%d %H:%M:%S %z";
#endif

/* See POSIX 1003.1-2001 for this format. */
    time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
    && (output_style == OUTPUT_CONTEXT
        || output_style == OUTPUT_UNIFIED)
    && (context < ocontext
        || (ocontext < context && ! explicit_context))
    context = ocontext;

if (! tabsize)
    tabsize = 8;
if (! width)
    width = 130;

{
    /* Maximize first the half line width, and then the gutter width,
       according to the following constraints:

       1. Two half lines plus a gutter must fit in a line.
       2. If the half line width is nonzero:
          a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
          b. If tabs are not expanded to spaces,
             a half line plus a gutter is an integral number of tabs,
             so that tabs in the right column line up. */

    intmax_t t = expand_tabs ? 1 : tabsize;
    intmax_t w = width;
    intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
    sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
    sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
    horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);
if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
    if (!line_format[i])
        line_format[i] = "\n";
    if (!group_format[OLD])
        group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
    if (!group_format[NEW])
        group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
    if (!group_format[UNCHANGED])
        group_format[UNCHANGED] = "%=";
    if (!group_format[CHANGED])
        group_format[CHANGED] = concat (group_format[OLD], group_format[NEW], "");
}

no_diff_means_no_output =
(output_style == OUTPUT_IFDEF ?
    (!*group_format[UNCHANGED]
    || (STREQ (group_format[UNCHANGED], "%=")
    && !*line_format[UNCHANGED]))
  : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
(brief & binary
 & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr
     | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
        fatal ("--from-file and --to-file both specified");
    else
        for (; optind < argc; optind++)
            int status = compare_files (NULL, from_file, argv[optind]);
        if (exit_status < status)
            exit_status = status;
}
else
{
    if (to_file)
        for (; optind < argc; optind++)
            fatal ("--from-file and --to-file both specified");
    else
        for (; optind < argc; optind++)
int status = compare_files(NULL, argv[optind], to_file);
if (exit_status < status)
    exit_status = status;
else
    if (argc - optind != 2)
        if (argc - optind < 2)
            try_help("missing operand after \"%s\", argv[argc - 1]);
        else
            try_help("extra operand \"%s\", argv[optind + 2]);
    
    exit_status = compare_files(NULL, argv[optind], argv[optind + 1]);

/* Print any messages that were saved up for last. */
print_message_queue();
check_stdout();
exit (exit_status);
return exit_status;

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen (pattern);
    char const *m = re_compile_pattern (pattern, patlen, reglist->buf);
    if (m != 0)
        error (0, 0, \"%s: %s\", pattern, m);
    else
    {
        char *regexps = reglist->regexps;
        size_t len = reglist->len;
        bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
        size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
        size_t size = reglist->size;

        if (size <= newlen)
            if (!size)
size = 1;

do size *= 2;
while (size <= newlen);

reglist->size = size;
reglist->regexps = regexps = xrealloc (regexps, size);
}
if (multiple_regexps)
{
regexps[len++] = '\';
regexps[len++] = '|';
}
memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.  
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

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

static void
try_help (char const *reason_msgid, char const *operand)
{
    if (reason_msgid)
        error (0, 0, _(reason_msgid), operand);
    error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information.
                                      program_name"),
            abort ();
    }
static void
check_stdout (void)
{
  if (ferror (stdout))
    fatal ("write failed");
else if (fclose (stdout) != 0)
  pfatal_with_name (_("standard output"));
}

static char const * const option_help_msgid[] = {
  N_(" --normal output a normal diff (the default)"),
  N_("--q, --brief report only when files differ"),
  N_("--s, --report-identical-files report when two files are the same"),
  N_("--c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context"),
  N_("--u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context"),
  N_("--e, --ed output an ed script"),
  N_("--n, --rcs output an RCS format diff"),
  N_("--y, --side-by-side output in two columns"),
  N_("--W, --width=NUM output at most NUM (default 130) print columns"),
  N_("--left-column output only the left column of common lines"),
  N_("--suppress-common-lines do not output common lines"),
  "
  N_("--p, --show-c-function show which C function each change is in"),
  N_("--F, --show-function-line=RE show the most recent line matching RE"),
  N_("--label LABEL use LABEL instead of file name\n" "(can be repeated)"),
  "
  N_("--t, --expand-tabs expand tabs to spaces in output"),
  N_("--T, --initial-tab make tabs line up by prepending a tab"),
  N_("--tabsize=NUM tab stops every NUM (default 8) print columns"),
  N_("--suppress-blank-empty suppress space or tab before empty output lines"),
  N_("--l, --paginate pass output through 'pr' to paginate it"),
  "
  N_("--r, --recursive recursively compare any subdirectories found"),
  N_("--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"),
  "
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N_("-i, --ignore-case               ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion      ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space    ignore white space at line end"),
N_("-b, --ignore-space-change      ignore changes in the amount of white space"),
N_("-w, --ignore-all-space         ignore all white space"),
N_("-B, --ignore-blank-lines       ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),
    "",
N_("-a, --text                     treat all files as text"),
N_("--strip-trailing-cr           strip trailing carriage return on input"),
#if O_BINARY
N_("--binary                      read and write data in binary mode"),
#endif
    "",
N_("-D, --ifdef=NAME               output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT     format GTYPE input groups with GFMT"),
N_("--line-format=LFMT             format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT       format LTYPE input lines with LFMT"),
N_("    These format options provide fine-grained control over the output
     of diff, generalizing -D/--ifdef."),
N_("    LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_("    GFMT (only) may contain:\n    %< lines from FILE1\n    %> lines from FILE2\n    %= lines common to FILE1 and FILE2\n    %[-][WIDTH][][PREC][][doxX]LETTER printf-style spec for LETTER\n    LETTERs are as follows for new group, lower case for old group:\n        F  first line number\n        L  last line number\n        N  number of lines = L-F+1\n        E  F-1\n        M  L+1\n    %(A=B?T:E) if A equals B then T else E"),
N_("    LFMT (only) may contain:\n    %< contents of line\n    %> contents of line, excluding any trailing newline\n    %[-][WIDTH][][PREC][][doxX]n printf-style spec for input line number"),
N_("    Both GFMT and LFMT may contain:\n    %\% %\n    %c'C' the single character C\n    %c'\OOO' the character with octal code OOO\n    C  the character C (other characters represent themselves)"),
    "",
N_("-d, --minimal                 try hard to find a smaller set of changes"),
N_("--horizon-lines=NUM  keep NUM lines of the common prefix and suffix"),
N_("--speed-large-files  assume large files and many scattered small changes"),
    "",
N_("--help                   display this help and exit"),

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

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

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

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

            printf (_(" %s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
        }
    }
    emit_bug_reporting_address ();
}

/* Set VAR to VALUE, reporting an OPTION error if this is a
   conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
    if (*var && ! STREQ (*var, value))

/* 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)
{
#if defined STAT_TIMESPEC
  gettime (&STAT_TIMESPEC (st, st_mtim));
#else
  struct timespec t;
  gettime (&t);
  st->st_mtime = t.tv_sec;
  #if defined STAT_TIMESPEC_NS
  STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
  #elif defined HAVE_STRUCT_STAT_ST_SPARE1
  st->st_spare1 = t.tv_nsec / 1000;
  #endif
#endif
}

/* Compare two files (or dirs) with parent comparison PARENT
and names NAME0 and NAME1.
(If PARENT is null, then the first name is just NAME0, etc.)
This is self-contained; it opens the files and closes them.

Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
char const *name0,
char const *name1)
{
struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
register int f;

int status = EXIT_SUCCESS;
bool same_files;
char *free0;
char *free1;

/* If this is directory comparison, perhaps we have a file
that exists only in one of the directories.
If so, just print a message to that effect. */
if (! ((name0 && & name1)
|| (unidirectional_new_file && & name1)
|| new_file))
{
    char const *name = name0 ? name0 : name1;
    char const *dir = parent->file[!name0].name;

    /* See POSIX 1003.1-2001 for this format. */
    message("Only in %s: %s\n", dir, name);

    /* Return EXIT_FAILURE so that diff_dirs will return
EXIT_FAILURE ("some files differ"). */
    return EXIT_FAILURE;
}

memset(cmp.file, 0, sizeof cmp.file);
cmp.parent = parent;

/* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */
if (!name0)
    name0 = name1;
if (!name1)
name1 = name0;

if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0
    = file_name_concat (parent->file[0].name, name0, NULL);
    cmp.file[1].name = free1
    = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
        {
            cmp.file[f].desc = cmp.file[0].desc;
            cmp.file[f].stat = cmp.file[0].stat;
        }
        else if (STREQ (cmp.file[f].name, ".-"))
        {
            cmp.file[f].desc = STDIN_FILENO;
            if (binary && ! isatty (STDIN_FILENO))
                set_binary_mode (STDIN_FILENO, O_BINARY);
            if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
            {
                if (S_ISREG (cmp.file[f].stat.st_mode))
                {
                    off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
                    if (pos < 0)
                        cmp.file[f].desc = ERRNO_ENCODE (errno);
                    else
                        cmp.file[f].stat.st_size =
                            MAX (0, cmp.file[f].stat.st_size - pos);
                }
        }*/
/* POSIX 1003.1-2001 requires current time for
stdin. */
set_mtime_to_now (&cmp.file[f].stat);
}
}
else if (!no_dereference_symlinks
? lstat (cmp.file[f].name, &cmp.file[f].stat)
: stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
cmp.file[f].desc = ERRNO_ENCODE (errno);
}
}

/* Mark files as nonexistent as needed for -N and -P, if they are
inaccessible empty regular files (the kind of files that 'patch'
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
if (((new_file || (f == 0 && unidirectional_new_file))
&& (cmp.file[f].desc == UNOPENED
? (S_ISREG (cmp.file[f].stat.st_mode)
  && ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
  && cmp.file[f].stat.st_size == 0)
: ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
|| cmp.file[f].desc == ERRNO_ENCODE (EBADF))
  && ! parent
  && (cmp.file[1 - f].desc == UNOPENED
  || cmp.file[1 - f].desc == STDIN_FILENO)))
  cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
if (cmp.file[f].desc == NONEXISTENT)
{
  memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
}

for (f = 0; f < 2; f++)
{
  int e = ERRNO DECODE (cmp.file[f].desc);
  if (0 <= e)
  {
    errno = e;
perror_with_name (cmp.file[f].name);
    status = EXIT_TROUBLE;
  }
}
if (status == EXIT_SUCCESS && ! parent && ! DIR_P (0) != DIR_P (1))
{
/* If one is a directory, and it was specified in the command line,
use the file in that dir with the other file's basename. */

    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0 = find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "."))
fatal ("cannot compare "." to a directory");

    if ((no_dereference_symlinks
         ? lstat (filename, &cmp.file[dir_arg].stat)
         : stat (filename, &cmp.file[dir_arg].stat))
!= 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
         && cmp.file[1].desc == NONEXISTENT)
    {
    /* Neither file "exists", so there's nothing to compare. */
    }
else if ((same_files
         = (cmp.file[0].desc != NONEXISTENT
             && cmp.file[1].desc != NONEXISTENT
             && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
             && same_file_attributes (&cmp.file[0].stat,
                                      &cmp.file[1].stat))
          && no_diff_means_no_output)
    {
    /* The two named files are actually the same physical file.
We know they are identical without actually reading them. */
    }
else if (DIR_P (0) & DIR_P (1))
    {
        if (output_style == OUTPUT_IFDEF)
fatal ("-D option not supported with directories");

    /* If both are directories, compare the files in them. */

    if (parent && !recursive)
    {
        /* But don't compare dir contents one level down
         unless -r was specified.
         See POSIX 1003.1-2001 for this format. */
        message ("Common subdirectories: %s and %s\n",
                cmp.file[0].name, cmp.file[1].name);
    }
    else
    status = diff_dirs (&cmp, compare_files);
    }
else if ((DIR_P (0) | DIR_P (1))
    && ((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\n", dir, name0);

                        status = EXIT_FAILURE;
                        }
                    }
    } else
/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5 ("File %s is a %s while file %s is a %s\n", file_label[0] ? file_label[0] : cmp.file[0].name, file_type (&cmp.file[0].stat), file_label[1] ? file_label[1] : cmp.file[1].name, file_type (&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
}
else if (S_ISLNK (cmp.file[0].stat.st_mode) || S_ISLNK (cmp.file[1].stat.st_mode))
{
    /* We get here only if we use lstat(), not stat(). */
    assert (no_dereference_symlinks);

    if (S_ISLNK (cmp.file[0].stat.st_mode) && 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;
}
else if (same_files)
cmp.file[1].desc = cmp.file[0].desc;
else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
{
perror_with_name (cmp.file[1].name);
status = EXIT_TROUBLE;
}
/* Compare the files, if no error was found. */

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

/* Close the file descriptors. */

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

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

if (status == EXIT_SUCCESS)
{
    if (report_identical_files && !DIR_P (0))
        message ("Files %s and %s are identical
", file_label[0] ? file_label[0] : cmp.file[0].name,
    else
        { /* Flush stdout so that the user sees differences immediately.
            This can hurt performance, unfortunately. */
            if (fflush (stdout) != 0)
                pfatal_with_name ("standard output");
        }
    free (free0);
    free (free1);
}

return status;

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Version 3, 29 June 2007
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AtomicLongMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/MoreCollectors.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/ImmutableValueGraph.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/graph/ValueGraphBuilder.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Multimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Interners.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Synchronized.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompoundOrdering.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractMapBasedMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingSortedMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/package-info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingMap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/LinkedHashMultiset.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Function.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/AsyncEventBus.java
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jar/com/google/common/io/CharStreams.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/FarmHashFingerprint64.java
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  jar/com/google/common/hash/ImmutableSupplier.java
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As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's java.util.HashMap class.

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/SortedIterable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/Count.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collection/AbstractSortedMultiset.java

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/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/cola/permits/1119092615_1608716259.54/jar/com/google/common/collect/ObjectArrays.java

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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
 */
MurmurHash3 was written by Austin Appleby, and is placed in the public domain. The author hereby disclaims copyright to this source code.

Found in path(s):
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/SmallCharMatcher.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java

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jar/com/google/common/io/AppendableWriter.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/reflect/TypeToken.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/FluentFuture.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/AggregateFuture.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/TimeLimiter.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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jar/com/google/common/util/concurrent/CollectionFuture.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/base/CaseFormat.java
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jar/com/google/common/escape/CharEscaper.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/escape/CharEscaperBuilder.java
*/opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/util/concurrent/TimeoutFuture.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/base/Java8Usage.java

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* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractTable.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Verify.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java

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* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/BaseImmutableMultimap.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TreeMultimap.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/IdentityMultimap.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AsMultimap.java
* /opt/cola/permits/1119092615_1608716259_54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractMultimap.java
*/
jar/com/google/common/collection/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/IndexedImmutableSet.java
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jar/com/google/common/collection/FilteredKeySetMultimap.java
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jar/com/google/common/collection/FilteredKeyListMultimap.java
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jar/com/google/common/collection/AllEqualOrdering.java
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jar/com/google/common/collection/TransformedListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/FilteredEntrySetMultimap.java
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jar/com/google/common/collection/SortedMultisetBridge.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/CompactLinkedHashSet.java
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jar/com/google/common/collection/CompactHashMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/FilteredSetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
jar/com/google/common/collection/ImmutableEnumMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingBlockingDeque.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingBlockingDeque.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TreeTraverser.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CompactHashSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingImmutableSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java

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* Holder for extra methods of [@code Objects] only in web. Intended to be empty for regular
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  jar/com/google/common/collct/MultimapBuilder.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Tables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Serialization.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableCollection.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Table.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/CollectPreconditions.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/HashBasedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMultimap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Range.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableMapKeySet.java

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  jar/com/google/common/math/LinearTransformation.java
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  jar/com/google/common/io/CharSink.java
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  jar/com/google/common/util/concurrent/SmoothRateLimiter.java
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  jar/com/google/common/collection/FilteredKeyMultimap.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/io/Closer.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/math/PairedStatsAccumulator.java
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  jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
info.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/collect/ImmutableRangeMap.java
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*/
/**
* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.
*
* &lt;p&gt;We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/SuccessorsFunction.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/MutableNetwork.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/ImmutableNetwork.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/graph/Graphs.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/io/InsecureRecursiveDeleteException.java
  * /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1.jar/com/google/common/io/RecursiveDeleteOption.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/CacheBuilder.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/Cut.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteArrayDataInput.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractIdleService.java

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/base/Platform.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/html/HtmlEscapers.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/io/ByteProcessor.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/ArrayBasedCharEscaper.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/util/concurrent/AbstractService.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/escape/Escapers.java

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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

Found in path(s):
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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 */

/**
 * Holder for web specializations of methods of {@code Floats}. Intended to be empty for regular
 * version.
 */

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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-
  jar/com/google/common/primitives/FloatsMethodsForWeb.java
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* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableAsList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ArrayTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ForwardingTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/TableCollectors.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SingletonImmutableList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ImmutableSetMultimap.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/RegularImmutableList.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1119092615_1608716259.54/0/guava-30-1-jre-sources-1-jar/com/google/common/collection/AbstractCollection.java
1.685 decorator 3.4.0

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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'],
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

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt
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Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license

Installation

---------

If you are lazy, just perform

$ easy_install decorator

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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

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in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

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-------
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for Python 3.X run

$ python documentation3.py

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Documentation
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- `PDF version (Python 3)`_


Repository
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http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator
Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.egg-info/PKG-INFO
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1.686 python-cinderclient 3.3.0
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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
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1.696 springfox-swagger-common 2.7.0

1.697 unicodecsv 0.14.1

1.697.1 Available under license :

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Metadata-Version: 1.1
Name: unicodecsv
Version: 0.14.1
Summary: Python2's stdlib csv module is nice, but it doesn't support unicode. This module is a drop-in replacement which *does*.
Home-page: https://github.com/jdunck/python-unicodecsv
Author: Jeremy Dunck
Author-email: jdnuck@gmail.com
License: BSD License
Description: unicodecsv

The unicodecsv is a drop-in replacement for Python 2.7's csv module which supports unicode strings without a hassle. Supported versions are python 2.7, 3.3, 3.4, 3.5, and pypy 2.4.0.
More fully

Python 2's csv module doesn't easily deal with unicode strings, leading to the dreaded "'ascii' codec can't encode characters in position ..." exception.

You can work around it by encoding everything just before calling write (or just after read), but why not add support to the serializer?

```pycon
>>> import unicodecsv as csv
>>> from io import BytesIO
>>> f = BytesIO()
>>> w = csv.writer(f, encoding='utf-8')
>>> _ = w.writerow([u'', u''])
>>> _ = f.seek(0)
>>> r = csv.reader(f, encoding='utf-8')
>>> next(r) == [u'', u'']
True
```

Note that unicodecsv expects a bytestream, not unicode -- so there's no need to use `codecs.open` or similar wrappers. Plain `open(..., 'rb')` will do.

(Version 0.14.0 dropped support for python 2.6, but 0.14.1 added it back. See c0b7655248c4249 for the mistaken, breaking change.)

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Natural Language :: English
Classifier: Programming Language :: Python :: 2.6
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3.3
Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: Implementation :: PyPy
Classifier: Programming Language :: Python :: Implementation :: CPython

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* /opt/cola/permits/1112464412_1607091335.63/0/unicodedsv-0-14-1-tar-gz/unicodedsv-0.14.1/PKG-INFO
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  jar/org/objectweb/asm/tree/analysis/Subroutine.java
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  jar/org/objectweb/asm/tree/analysis/BasicValue.java
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  jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
* /opt/cola/permits/1135892660_1613626660.05/0/asm-analysis-7-1-sources-2-
  jar/org/objectweb/asm/tree/analysis/Frame.java
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  jar/org/objectweb/asm/tree/analysis/Value.java
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  jar/org/objectweb/asm/tree/analysis/Interpreter.java
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 * Constructs a new { @link BasicInterpreter} for the latest ASM API version. <i>Subclasses must
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1.703 spring-web-mvc 4.3.21.RELEASE

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@since 3.1

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* /opt/cola/permits/1137623988_1614109406.56/0/spring-webmvc-4-3-21-release-sources-2-jar/org/springframework/web/servlet/handler/DispatcherServletWebRequest.java

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jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilder铮?nArgumentResolver.jav a
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* /opt/cola/permits/1137623988_1614109406.56/0/spring-webmvc-4-3-21-release-sources-2-jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.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
 */

Found in path(s):
* /opt/cola/permits/1137623988_1614109406.56/0/spring-webmvc-4-3-21-release-sources-2-
jar/org/springframework/web/servlet/view/xslt/XsltView.java
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1.704 tomcat-embed-el 9.0.34

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- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/AbstractEmailValidator.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/config/defs/AssertTrueDef.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/engine/constraintvalidation/ClassBasedValidatorDescriptor.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForFloat.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForNumber.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForLocalTime.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/util/ExecutableHelper.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/engine/valueextraction/LongArrayValueExtractor.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForLong.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/metadata/provider/XmlMetaDataProvider.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/metadata/facets/Validatable.java
- /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/func/Assert.java

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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/cfg/context/ConfiguredConstraint.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/internal/metadata/descriptor/BeanDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/constraints/Range.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/constraints/pl/NIP.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/cfg/defs/NotBlankDef.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/validator/IgnoreForbiddenApisErrors.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/validator/NIPE.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-jar/org/hibernate/validator/validator/context/ConstraintDefinitionContext.java

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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/util/privilegedactions/SetContextClassLoader.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/HibernateValidatorContext.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/constraints/pl/PESEL.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/cfg/context/ScriptAssertDef.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/logging/formatter/ObjectArrayFormatter.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/metadata/descriptor/PropertyDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/parameternameprovider/package-info.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/metadata/aggregated/ConstraintMetaData.java
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/AbstractEpochBasedTimeValidator.java

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 *
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
jar/org/hibernate/validator/internal/util/TypeHelper.java
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 */
/*
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*/

/*

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070667431_1594726833.47/0/hibernate-validator-6-0-19-final-sources-
  jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java
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*/

/**
* <p>
* A method-level constraint, that evaluates a script expression against the
* annotated method or constructor. This constraint can be used to implement
* validation routines that depend on several parameters of the annotated
* executable.
* </p>
* <p>
* Script expressions can be written in any scripting or expression language,
* for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [ @link javax.validation.ParameterNameProvider ]. By default, [ @code arg0], [ @code arg1 ] etc.
* will be used as parameter names.
* </p>
* <p>
* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... }
* }
* </pre>
* <p>
* Can be specified on any method or constructor.
* </p>
* 
* @author Gunnar Morling
1.712 jackson-datatype-guava 2.8.11

1.713 query 2.0.0

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1.714 client-java-proto 12.0.0

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1.715 libdevmapper 1.02
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1.718 jersey-guava 2.25.1

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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collect/RegularContiguousSet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collect/Queues.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collect/AbstractSortedMultiset.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/hash/Hashing.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/hash/MessageDigestHashFunction.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/hash/Funnels.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collect/Hasher.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/base/VerifyException.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/base/Verify.java
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collect/AbstractStreamingHashFunction.java
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<td>Eventbus</td>
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jar/jersey/repackaged/com/google/common/collect/HashBiMap.java

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jar/jersey/repackaged/com/google/common/collect/ComputingConcurrentHashMap.java
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jar/jersey/repackaged/com/google/common/collect/SortedLists.java

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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collection/ImmutableSortedSet.java
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4.jar/jersey/repackaged/com/google/common/collection/ImmutableMultiset.java
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 *
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/base/MoreObjects.java

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jar/jersey/repackaged/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
jar/jersey/repackaged/com/google/common/html/package-info.java
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jar/jersey/repackaged/com/google/common/reflect/TypeCapture.java
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jar/jersey/repackaged/com/google/common/reflect/Parameter.java
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jar/jersey/repackaged/com/google/common/collect/RangeMap.java
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SNMP4J 2 - Variable.java

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```java

// Function to convert MPv2c instance to its identifier

```

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```java

// Function to retrieve version information

```

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++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.
Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.
The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

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

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

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

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

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

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

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

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

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

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

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

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use both them and the Library together in an executable that you distribute.

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END OF TERMS AND CONDITIONS

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

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

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

These requirements apply to the modified work as a whole. If
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entire whole, and thus to each and every part regardless of who wrote
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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
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In addition, mere aggregation of another work not based on the Library
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a storage or distribution medium does not bring the other work under
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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

It may happen that this requirement contradicts the license
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

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

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>
* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!!-- Generate ISC copyright comments from Docbook copyright metadata. -->

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

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
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</xsl:variable>
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1.735 pierrec-lz4 2.2.5+incompatible

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Source Files
------------

. 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 of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.


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

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

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

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
--------------

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

  tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

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

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

Hyphenation Patterns

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

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

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

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

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- The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

  http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex

  The patterns have been converted to a format groff can understand.

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- The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

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- The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehyphpt.tex' (for TeX), which can be found at

  http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex
  http://dante.ctan.org/CTAN/language/hyphenation/dehyphpt.tex
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. The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex',
  which can be found at

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

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozila 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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History
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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/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.771 jackson-dataformat-xml 2.11.0

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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image/x-xpixmap
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image/png
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image/ief
# RGB
image/rgb
# Group III Fax (RFC 1494)
image/g3f
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image/x-pict
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image/x-portable-pixmapppm
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# MIDI music data
x-music/x-midi
# Koan music data (SSeyo)
application/vnd.koan
# Speech synthesis data (MVP Solutions)
text/x-speechtalk

# VIDEO TYPES

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

# SPECIAL HTTP/WEB APPLICATION TYPES

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

# TEXT-RELATED

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

# ARCHIVE/COMPRESSED ARCHIVES
# Gnu tar format
application/x-gtar
t# 4.3BSD tar format
application/x-tartar
t# POSIX tar format
application/x-ustarustar
t# Old CPIO format
application/x-bcpio bcpio
t# POSIX CPIO format
application/x-cpio cpio
t# UNIX sh shell archive
application/x-shar shar
t# DOS/PC - Pkzipped archive
application/zip zip
t# Macintosh Binhexed archive
application/mac-binhex40 hqx
t# Macintosh Stuffit Archive
application/x-stuffit sit sea
t# Fractal Image Format
application/fractals fif
t# "Binary UUencoded"
application/octet-stream uu
# PC executable
application/octet-stream exe
# "WAIS ""sources"
application/x-wais-sourcesrc wsre
# NCSA HDF data format
application/hdf hdf

# DOWNLOADABLE PROGRAM/SCRIPTS

t# Javascript program
text/javascript js mocha
t# UNIX bourne shell program
application/x-shsh
t# UNIX c-shell program
application/x-cshcsh
t# Perl program
application/x-perlpl
# Tcl (Tool Control Language) program
application/x-tcltcl

# ANIMATION/MULTIMEDIA

# FutureSplash vector animation (FutureWave)
application/futuresplashspl
# mBED multimedia data (mBED)
application/mbedletmbed
# PowerMedia multimedia (RadMedia)
application/x-rad-powermediarad

# PRESENTATION

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

# SPECIAL EMBEDDED OBJECT

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

# GENERAL APPLICATIONS

# Undefined binary data (often executable progs)
application/octet-streamexe com
# Pointcast news data (Pointcast)
application/x-pcnpcn
# Excel spreadsheet (Microsoft)
application/vnd.ms-excelxls
# PowerPoint (Microsoft)
application/vnd.ms-powerpointppt
# Microsoft Project (Microsoft)
application/vnd.ms-projectmpp
# SourceView document (Dataware Electronics)
application/vnd.svdsvd
# Net Install - software install (20/20 Software)
application/x-net-installins
# Carbon Copy - remote control/access (Microcom)
application/ccvccv
# Spreadsheets (Visual Components)
workbook/formulaonevts
# 2D/3D DATA/VIRTUAL REALITY TYPES

# VRML data file
x-world/x-vrml wrl vrml
# WIRL - VRML data (VREAM)
x-world/x-vreamvrw
# Play3D 3d scene data (Play3D)
application/x-p3dp3d
# Viscape Interactive 3d world data (Superscape)
x-world/x-svrsvr
# WebActive 3d data (Plastic Thought)
x-world/x-wwrwvr
# QuickDraw3D scene data (Apple)
x-world/x-3dmf3dmf

# SCIENTIFIC/MATH/CAD TYPES

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

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* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/SimpleExceptionCacheResolver.java
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* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/scheduling/quartz/LocalDataSourceJobStore.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/ehcache/EhCacheFactoryBean.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/scheduling/quartz/LocalDataSourceJobStore.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/scheduling/quartz/QuartzJobBean.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheInterceptor.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/AbstractJCacheOperationSourcePointcut.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheInterceptor.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheOperationSource.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/AbstractJCacheOperationSourcePointcut.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/DefaultCacheKeyInvocationContext.java
* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4-3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/DefaultCacheKeyInvocationContext.java
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  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/JCacheCacheManager.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/mail/MailMessage.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/CacheResultInterceptor.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/transaction/TransactionAwareCacheDecorator.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheAspectSupport.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/guava/GuavaCache.java
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  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/AnnotationJCacheOperationSource.java
  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheOperation.java

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  */opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3-21-release-sources-2.jar/org/springframework/cache/jcache/interceptor/JCacheOperation.java
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* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3.21-release-sources-2.jar/org/springframework/scheduling/scheduling/quartz/SpringBeanJobFactory.java
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* /opt/cola/permits/1137661942_1614114399.46/0/spring-context-support-4.3.21-release-sources-2.jar/org/springframework/scheduling/commonj/WorkManagerTaskExecutor.java
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  jar/org/springframework/ui/velocity/VelocityEngineUtils.java
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.780 geoi-p 1.5.0 14.el7

1.780.1 Available under license:

[Note that while the core GeoIP library is licensed under the LGPL, the libGeoIPUpdate library depends on md5.c and types.h which are licensed under the GPL.]

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

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

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will operate properly with a modified version of the library, if
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c) Accompany the work with a written offer, valid for at
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1.784 jwcrypto 0.4.2

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//
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// license that can be found in the LICENSE file.

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,omitenopy"`
    Path *string `json:"path,omitenopy"

    SHA    *string `json:"sha,omitenopy"`
    Size   *int   `json:"size,omitenopy"`
    URL    *string `json:"url,omitenopy"`
    HTMLURL *string `json:"html_url,omitenopy"`
    GitURL  *string `json:"git_url,omitenopy"`
    DownloadURL *string `json:"download_url,omitenopy"
    Type    *string `json:"type,omitenopy"
    Content *string `json:"content,omitenopy"
    Encoding *string `json:"encoding,omitenopy"
    License *License `json:"license,omitenopy"
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key    *string `json:"key,omitenopy"
    Name   *string `json:"name,omitenopy"
    URL    *string `json:"url,omitenopy"

    SPDXID         *string   `json:"spdx_id,omitenopy"
    HTMLURL        *string   `json:"html_url,omitenopy"
    Featured       *bool     `json:"featured,omitenopy"
    Description    *string   `json:"description,omitenopy"
    Implementation *string   `json:"implementation,omitenopy"
    Permissions    []*string `json:"permissions,omitenopy"
    Conditions     []*string `json:"conditions,omitenopy"
    Limitations    []*string `json:"limitations,omitenopy"
    Body           *string   `json:"body,omitenopy"
}
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
    }
    req.Header.Set("Accept", mediaTypeLicensesPreview)
    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
    }
    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
}
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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---

layout: "api"
page_title: "'/sys/license - HTTP API"
sidebar_current: "docs-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>
<th>Produces</th>
</tr>
</thead>
</table>

---
### Sample Request

```bash
$ 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>
<th>Produces</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUT</td>
<td><code>/sys/license</code></td>
<td><code>204 (empty body)</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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1.790 libtasn 4.10 1.el7

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1.791 jsonpb v1.3.1

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/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
}

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package com.vmware.vim25;

import java.util.Calendar;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class ExpiredFeatureLicense extends NotEnoughLicenses {
    public String feature;
    public int count;
    public Calendar expirationDate;

    public String getFeature() {
        return this.feature;
    }

    public int getCount() {
        return this.count;
    }
}
return this.count;
}

public Calendar getExpirationDate() {
    return this.expirationDate;
}

public void setFeature(String feature) {
    this.feature = feature;
}

public void setCount(int count) {
    this.count = count;
}

public void setExpirationDate(Calendar expirationDate) {
    this.expirationDate = expirationDate;
}
}

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/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class Permission extends DynamicData {
    public ManagedObjectReference entity;
    public String principal;
    public boolean group;
    public int roleId;
    public boolean propagate;

    public ManagedObjectReference getEntity() {
        return this.entity;
    }

    public String getPrincipal() {
        return this.principal;
    }

    public boolean isGroup() {
        return this.group;
    }

    public int getRoleId() {
        return this.roleId;
    }

    public boolean isPropagate() {
        return this.propagate;
    }

    public void setEntity(ManagedObjectReference entity) {
        this.entity = entity;
    }

    public void setPrincipal(String principal) {
        this.principal = principal;
    }

    public void setGroup(boolean group) {
        this.group = group;
    }
}
package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class InvalidEditionLicense extends NotEnoughLicenses {
    public String feature;
}
public String getFeature() {
    return this.feature;
}

public void setFeature(String feature) {
    this.feature = feature;
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class VramLimitLicense extends NotEnoughLicenses {
public int limit;

    public int getLimit() {
        return this.limit;
    }

    public void setLimit(int limit) {
        this.limit = limit;
    }

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package com.vmware.vim25;

/**
   * @author Steve Jin (http://www.doublecloud.org)
   * @version 5.1
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    @SuppressWarnings("all")
public class NotEnoughLicenses extends RuntimeFault {
}
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/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
@SuppressWarnings("all")
public class VmLimitLicense extends NotEnoughLicenses {
    public int limit;
    public int getLimit() {
        return this.limit;
    }
    public void setLimit(int limit) {
        ...
this.limit = limit;
}
}

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package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
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@SuppressWarnings("all")
public class ExpiredEditionLicense extends ExpiredFeatureLicense {
}

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/**
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 * @version 5.1
 */

@SuppressWarnings("all")
public class InvalidLicense extends VimFault {
    public String licenseContent;

    public String getLicenseContent() {
        return this.licenseContent;
    }

    public void setLicenseContent(String licenseContent) {
        this.licenseContent = licenseContent;
    }
}
1.796 x-crypto 1.0.0

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1.798 jersey-bean-validation 2.29

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* /opt/cola/permits/1137623798_1614109102.74/0/spring-boot-starter-2-2-7-release-sources-1-jar/META-INF/maven/org.springframework.boot/spring-boot-starter/pom.xml

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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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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 Cridilig (Regis.Cridilig@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.mitia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(ace@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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

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http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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==============================================================================
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).

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation
Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children’s Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children’s Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.
Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland. Postbank, nr. 4548774 IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
  Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
  Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse
  Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland
This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:
/

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1.811 python-cinderclient 7.2.0
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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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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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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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   */

/**
   * Retrieves constraint related meta data for the parameters of the given executable.
   *
   * @param executable The executable of interest.
   *
   * @return A list with parameter meta data for the given executable.
   */

Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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/**
   * A method-level constraint, that evaluates a script expression against the annotated method or constructor. This constraint can be used to implement validation routines that depend on several parameters of the annotated executable.
   */
* Script expressions can be written in any scripting or expression language,
* for which a [JSR 223](http://jcp.org/en/jsr/detail?id=223) compatible engine can be
* found on the classpath. To refer to a parameter within the scripting
* expression, use its name as obtained by the active
* [@link jav:javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
* will be used as parameter names.
* </p>
* </p>

* The following listing shows an example using the JavaScript engine which
* comes with the JDK:
* </p>
* <pre>
* {@code @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
* public void createEvent(Date start, Date end) { ... } }
* </pre>
* </p>
* Can be specified on any method or constructor.
* </p>

* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraints/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraints/br/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/constraints/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/metadata/provider/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/META-INF/validation-mapping-1.1.xsd
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/groups/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/engine/messageinterpolation/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/messageinterpolation/el/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/overview.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/internal/resourceloading/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/resourceloading/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/resourceloading/package.html
* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validator/resourceloading/package.html
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  jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/cfg/context/ParameterConstraintMappingContextImpl.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/metadata/descriptor/GroupConversionDescriptorImpl.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/MessageState.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/constraintvalidators/hv/URLValidator.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/metadata/facets/Validatable.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/cfg/defs/NotEmptyDef.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/constraintvalidators/hv/EmailValidator.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/metadata/raw/ConstrainedExecutable.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/constraintvalidators/bv/future/FutureValidatorForReadablePartial.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/metadata/provider/MetaDataProvider.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/constraintvalidators/bv/past/PastValidatorForInstant.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/util/privilegedactions/GetDeclaredConstructor.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/cfg/context/Constrainable.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/cfg/context/GroupConversionTargetContextImpl.java
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
  jar/org/hibernate/validator/internal/constraintvalidators/bv/provider/MetaDataProvider.java
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* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-
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* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5.jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
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* /opt/cola/permits/110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5.jar/org/hibernate/validator/internal/util/IgnoreJava6Requirement.java
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*/

Found in path(s):
* /opt/cola/permits/1110667112_1606842300.21/0/hibernate-validator-5-3-6-final-sources-5-jar/org/hibernate/validation/internal/util/ConcurrentReferenceHashMap.java

1.834 openstacksdk 0.56.0
1.834.1 Available under license:

openstack/
  connection.py
  resource.py
compute/
    compute_service.py
v2/
    server.py
    _proxy.py
tests/
    compute/
    v2/
        test_server.py
clouds:
test_cloud:
    region_name: RegionOne
    auth:
        auth_url: http://xxx.xxx.xxx.xxx:5000/v2.0/
        username: demo
        password: secrete
        project_name: demo
rackspace:
    cloud: rackspace
    auth:
        username: joe
        password: joes-password
        project_name: 123123
        region_name: IAD
example:
    image_name: fedora-20.x86_64
    flavor_name: m1.small
    network_name: private

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1.835 gawk 4.0.2

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# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

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

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

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

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

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

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

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That's all there is to it!
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 package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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1.847 tomcat-annotations-api 8.5.35

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  jar/net/minidev/asm/BeansAccess.java
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  jar/net/minidev/asm/ASMUtil.java
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* /opt/cola/permits/1130440156_1612575680.2/0/jnr-constants-0-10-1-sources-jar/jnr/constants/platform/ConstantResolver.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/ClassPath.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/HotSwapper.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/convert/TransformNewClass.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/SourceFileAttribute.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/SecurityActions.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/TypeChecker.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/ClassFileWriter.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/MemberCodeGen.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/ObjectImporter.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/Parser.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/FieldDecl.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/IntConst.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/convert/Transformer.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/NewArray.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/Cast.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/reflect/CanotInvokeException.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-
jar/javassist/bytecode/annotation/ArrayMemberValue.java
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* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/NoOpJob.java
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* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/ee/jms/JmsMessageFactory.java
* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/FileScanListener.java
* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/ee/jms/JmsHelper.java
* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/NativeJob.java
* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/ee/jms/SendQueueMessageJob.java
* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/DirectoryScanListener.java
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* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/org/quartz/jobs/ee/jmx/JMXInvokerJob.java
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* /opt/cola/permits/1137662014_1614114397.68/0/quartz-jobs-2-3-1-sources-1-jar/organizat...
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1.856 python-requests 2.18.4

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1.857 jsonpointer 2.1

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derived from this software without specific prior written permission.
*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)
cli.ClientFlag.Register(ctx, f)

cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cli.OutputFlag.Register(ctx, f)

cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
cli.HostSystemFlag.Register(ctx, f)

cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
cli.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:
```go
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`
```

```go
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}))
*/

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/govc/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
    // LicenseAssingmentManager.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))
    }

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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)  
  }

  // Rest of the test code...
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
cid := c.Client.ServiceContent.About.InstanceUuid

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) 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)
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

)

type LicenseManager struct {
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
  m := &LicenseManager{
    Self: ref
  }
  m.Licensers = []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.Licensees {
    if license.LicenseKey == req.LicenseKey {
      body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
      return body
    }
  }
  m.Licensees = append(m.Licensees, 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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*/

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.

# This script is generated by contributors.sh
#

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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

    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 {
    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
        }
    }
    return lf
}

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
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{ })
}

  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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    "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\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()
}
skip "requires evaluation license"
fi
}

get_key() {
jq ".[1] | select(.LicenseKey == \"$1\")"
}

get_property() {
jq -r ".Properties[] | select(.Key == \"$1\") | .Value"
}

@test "license.add" {
esx_env

verify_evaluation

run govc license.add -json 00000-00000-00000-00000-00001 00000-00000-00000-00002-00000-00000-00000-00000-00002
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 00000-00000-00000-00000-00000-00000 <<<output | jq ".[1]"
}
@test "license.decode" {
  esx_env
  verify_evaluation
  key=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(),
        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
}

1.859 simplejson 3.17.2
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1.860 systemd 219-78.el7_9.3

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1.861 jackson-xc 2.8.11

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* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
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* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-jar/com/google/gson/TypeAdapter.java
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  jar/com/google/gson/internal/bind/ArrayTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
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* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/TypeAdapters.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/JsonReaderInternalAccess.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/ObjectTypeAdapter.java
* /opt/cola/permits/1001166424_1608115822.07/0/gson-2-3-1-sources-2-
  jar/com/google/gson/internal/bind/MapTypeAdapterFactory.java
1.866 nss-pem 1.0.3-7.el7

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  jar/org/codehaus/commons/compiler/WarningHandler.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/LocatedException.java
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  jar/org/codehaus/commons/compiler/UncheckedCompileException.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/PrimitiveWrapper.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/samples/ClassBodyDemo.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/package-info.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/ICompilerFactory.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/samples/ExpressionDemo.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/CompilerFactoryFactory.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/CompileException.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/samples/DemoBase.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/IClassBodyEvaluator.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/IExpressionEvaluator.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/AbstractJavaSourceClassLoader.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/ICompilationFactory.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/samples/CompilationFactoryFactory.java
  */opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-
  jar/org/codehaus/commons/compiler/CompilationFactory.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/Location.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/ErrorHandler.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/samples/ScriptDemo.java
* /opt/cola/permits/1001455528_1606951889.05/0/commons-compiler-2-7-6-sources-jar/org/codehaus/commons/compiler/samples/ShippingCost.java

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 * /opt/cola/permissions/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2-jar/org/springframework/boot/autoconfigure/cache/HazelcastInstanceConfiguration.java
 * /opt/cola/permissions/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2-jar/org/springframework/boot/autoconfigure/jdbc/DataSourceBuilder.java
 * /opt/cola/permissions/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2-jar/org/springframework/autoconfigure/security/oauth2/resource/UserInfoRestTemplateCustomizer.java
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* /opt/cola/permits/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2.jar/org/springframework/boot/autoconfigure/thymeleaf/ThymeleafAutoConfiguration.java
* /opt/cola/permits/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2.jar/org/springframework/boot/autoconfigure/session/StoreType.java
* /opt/cola/permits/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2.jar/org/springframework/boot/autoconfigure/websocket/WebSocketContainerCustomizer.java
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* /opt/cola/permits/1137623214_1614109439.81/0/spring-boot-autoconfigure-1-5-18-release-sources-2.jar/org/springframework/boot/autoconfigure/mustache/web/MustacheViewResolver.java
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jar/org/springframework/boot/autoconfigure/security/oauth2/client/EnableOAuth2SsoCondition.java
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1.883 openstack4j-core 3.6
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    public Domain getDomain() {
    public Domain getDomain() {  
    public Domain getDomain() {

    Found in path(s):
    * /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
    jar/org/openstack4j/openstack/identity/v3/domain/KeystoneAuth.java
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    public DomainService domains() {

    Found in path(s):
    * /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
    jar/org/openstack4j/openstack/identity/v3/internal/IdentityServiceImpl.java
    No license file was found, but licenses were detected in source scan.

    public DomainEntry createPublic(String domainName, String project) {


public DomainEntry createPrivate(String domainName, String availabilityZone) {

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/compute/internal/ext/FloatingIPDNSDomainServiceImpl.java
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public DomainBuilder toBuilder() {
    public DomainConcreteBuilder() {
        public Domain build() {
            public DomainBuilder from(Domain in) {
                public DomainBuilder id(String id) {
                    public DomainBuilder description(String description) {
                        public DomainBuilder name(String name) {
                            public DomainBuilder options(Map<String, String> options) {
                                public DomainBuilder links(Map<String, String> links) {
                                    public DomainBuilder enabled(boolean enabled) {

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/domain/KeystoneDomain.java
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public Domain getDomain() {

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/domain/KeystoneProject.java
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/openstack/identity/v3/domain/KeystoneUser.java
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package org.openstack4j.openstack.identity.v3.internal;

import static com.google.common.base.Preconditions.checkNotNull;
import static org.openstack4j.core.transport.ClientConstants.PATH_DOMAINS;
import java.util.List;
import org.openstack4j.api.identity.v3.DomainService;
import org.openstack4j.model.common.ActionResponse;
import org.openstack4j.model.identity.v3.Domain;
import org.openstack4j.openstack.identity.v3.domain.KeystoneDomain;

public class DomainServiceImpl extends BaseIdentityServices implements DomainService {

    @Override
public Domain create(Domain domain) {
    checkNotNull(domain);
    return post(KeystoneDomain.class, PATH_DOMAINS).entity(domain).execute();
}

@Override
public Domain create(String name, String description, boolean enabled) {
    checkNotNull(name);
    checkNotNull(description);
    checkNotNull(enabled);
    return create(KeystoneDomain.builder().name(name).description(description).enabled(enabled).build());
}

@Override
public Domain update(Domain domain) {
    checkNotNull(domain);
    return patch(KeystoneDomain.class, PATH_DOMAINS, "/", domain.getId()).entity(domain).execute();
}

@Override
public Domain get(String domainId) {
    checkNotNull(domainId);
    return get(KeystoneDomain.class, PATH_DOMAINS, "/", domainId).execute();
}

@Override
public List<? extends Domain> getByName(String domainName) {
    checkNotNull(domainName);
    return get(Domains.class, uri(PATH_DOMAINS)).param("name", domainName).execute().getList();
}

@Override
public ActionResponse delete(String domainId) {
    checkNotNull(domainId);
    return deleteWithResponse(PATH_DOMAINS, "/", domainId).execute();
}

@Override
public List<? extends Domain> list() {
    return get(Domains.class, uri(PATH_DOMAINS)).execute().getList();
}
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  jar/org/openstack4j/openstack/heat/domain/HeatResourceHealth.java
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
  jar/org/openstack4j/model/heat/ResourceHealth.java
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public DomainBuilder domain();

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
  jar/org/openstack4j/model/identity/v3/builder/IdentityV3Builders.java
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public DomainBuilder domain() {

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
  jar/org/openstack4j/openstack/identity/v3/builder/KeystoneV3Builders.java
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public Domain getUserDomain(String userId) {

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-
  jar/org/openstack4j/openstack/identity/v3/internal/UserServiceImpl.java
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/**
 * Creates or Updates a PUBLIC domain name record
* @param domainName the FQ Domain name
* @param project the project name
* @return the created/updated domain entry
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/api/compute/ext/FloatingIPDNSDomainService.java
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/**
 * The Interface FloatingIP.
 *
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 *
 * @author nanderson
 *
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046049046_1589824782.44/0/openstack4j-core-3-6-sources-jar/org/openstack4j/model/network/FloatingIP.java

1.884 simpleclient 0.10.0

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 */

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1.885 python-requests 2.25.1
1.885.1 Available under license:

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1.886 spring-boot-properties-migrator

2.2.7.RELEASE

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* /opt/cola/permits/1137662048_1614114411.79/0/spring-boot-properties-migrator-2-2-7-release-sources-1-
  jar/META-INF/maven/org.springframework.boot/spring-boot-properties-migrator/pom.xml

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1.888 functions32 3.2.3.post2

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Metadata-Version: 2.0
Name: functions32
Version: 3.2.3.post2
Summary: Backport of the functools module from Python 3.2.3 for use on 2.7 and PyPy.
Home-page: https://github.com/MiCHiLU/python-functools32
Author: ENDOH takanao
Author-email: djmch1@gmail.com
License: PSF license
Platform: UNKNOWN

This is a backport of the functools standard library module from Python 3.2.3 for use on Python 2.7 and PyPy. It includes new features `lru_cache` (Least-recently-used cache decorator).

Found in path(s):
* /opt/cola/permits/1119804716_1609795449.28/0/functions32-3-2-3-post2-dist-info-
  zip/maglev_rootfs/opt/maglev/lib/python2.7/site-packages/functions32-3.2.3.post2.dist-info/METADATA

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1.889 commons-io 2.4

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1.892 simpleclient-common 0.10.0

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Manifest-Version: 1.0
Bnd-LastModified: 1611582585816
Build-Jdk: 1.8.0_275
Built-By: bbrazil
Bundle-Description: Common code used by various modules of the Simpleclient.
Bundle-License: http://www.apache.org/licenses/LICENSE-2.0.txt
Bundle-ManifestVersion: 2
Bundle-Name: Prometheus Java Simpleclient Common
Bundle-SymbolicName: io.prometheus.simpleclient_common
Bundle-Version: 0.10.0
Created-By: Apache Maven Bundle Plugin
Export-Package: io.prometheus.client.exporter.common;uses:="io.prometheus.client.exporter.common";version="0.10.0"
Import-Package: io.prometheus.client;version="[0.10,1)"
Tool: Bnd-2.1.0.20130426-122213

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1.895 prometheus-procfs v0.0.0-20181204211112-1dc9a6cbc91a

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* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
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jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
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* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
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* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/BeanWiringInfoResolver.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/ConstructorArgumentEntry.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/XMLBeanFactory.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java
* /opt/cola/permits/1137623604_1614109390.37/0/spring-beans-4-3-21-release-sources-2-
jar/org/springframework/beans/factory/wiring/ManagedArray.java
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JUnit

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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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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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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/MetadataCache.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/util/NullResponseMetadataCache.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/metrics/SimpleMetricType.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/ThreadSafe.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/Beta.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/SdkInternalApi.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/SdkProtectedApi.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/NotThreadSafe.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/annotation/SdkTestInternalApi.java

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  jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/ImmutableRequest.java
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jar/com/amazonaws/http/conn/ssl/SdkTLSSocketFactory.java

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jar/com/amazonaws/internal/Releasable.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/internal/SdkSSLSocket.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigLoader.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/auth/profile/internal/AWS4SignerRequestParams.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/internal/SdkInputStream.java
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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1.jar/com/amazonaws/event/ResponseProgressInputStream.java

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* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-jar/com/amazonaws/partitions/model/Partition.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
jar/com/amazonaws/regions/InMemoryRegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/model/Region.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/model/Endpoint.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/model/Service.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/RegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/model/CredentialScope.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/RegionRegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/http/apache/client/impl/CRC32ChecksumResponseInterceptor.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/protocol/apache/SdkProxyRoutePlanner.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/protocol/apache/SdkProxyRoutePlanner.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/PartitionsLoader.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/protocol/json/Sdk IonGenerator.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/PartitionMetadataProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/PartitionRegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/regions/RegionMetadataFactory.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/model/CredentialScope.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/partitions/PartitionRegionImpl.java
* /opt/cola/permits/1137623352_1614109368.43/0/aws-java-sdk-core-1-11-201-sources-1-
  jar/com/amazonaws/http/apache/impl/CRC32ChecksumResponseInterceptor.java
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1.913 idna 2.10

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* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-
b8defb9/LICENSE.rst

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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 = { }
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',
        'Programming Language :: Python :: Implementation :: CPython',
        'Programming Language :: Python :: Implementation :: PyPy',
        'Topic :: Internet :: Name Service (DNS)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110905341_1606871385.15/0/kjd-idna-v2-10-0-ge5c11db-1-tar-gz/kjd-idna-b8defb9/setup.py

1.914 apache-log4j 1.2.17
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1.915 drbd 9.0..12

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SNMP4J - SchedulerTask.java

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SNMP4J - LogLevel.java

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SNMP4J - AuthHMAC128SHA224.java

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* /opt/cola/permits/1136006543_1613652300.48/0/snmp4j-2-8-5-sources-1-jar/org/snmp4j/event/package.html
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  jar/org/snmp4j/asn1/BEROutputStream.java`

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### 1.921 libnfnetlink 1.0.1 4.el7

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1.922 jackson-module-parameter-names

2.10.4

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jar/io/micrometer/core/ipc/http/HttpStatusClass.java
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* /opt/ws_local/PERMITS_SQL/1070861424_1594759138.54/0/micrometer-core-1-3-8-sources-
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* /opt/ws_local/PERMITS_SQL/1070861424_1594759138.54/0/micrometer-core-1-3-8-sources-
jar/io/micrometer/core/instrument/internal/TimedCallable.java
* /opt/ws_local/PERMITS_SQL/1070861424_1594759138.54/0/micrometer-core-1-3-8-sources-
jar/io/micrometer/core/instrument/internal/TimedRunnable.java
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1.930 go-bindata-assetfs 1.1.5

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1.939 jinja2 2.7.2

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1.944 python-openstackclient 5.4.0
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1.945 commons-lang3 3.8.1

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1.946 armon-go-metrics 0.3.3

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1.947 springfox-spring-web 2.7.0

1.948 munch 2.5.0

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1.950 linux-kernel 3.10.0-1160.el7

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

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

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

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which use some of those functions and data) to form executables.

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

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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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it.

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

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

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

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/* 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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base64.c -- routines to encode/decode base64 data
SOpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ / 
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/GenericKubernetesClient.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/internal/readiness/Readiness.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/base/ConfigAndApiGroupsInfo.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/KubernetesListNonNamespaceOperation.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodOperationContext.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/Gettable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/extended/leaderelection/resourcelock/Lock.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/dsl/CascadingEditReplacePatchDeletable.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/V1beta1AdmissionRegistrationAPIGroupExtensionAdapter.java
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* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/internal/patchmixins/BuildMixIn.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/internal/patchmixins/ObjectMetaMixIn.java
* /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupClient.java
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io.fabric8.kubernetes.client.URLFromNodePortImpl

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 * /opt/ws_local/PERMITS_SQL/1069127254_1594491700.09/0/kubernetes-client-4-10-2-sources-jar/META-INF/services/io.fabric8.kubernetes.client.ServiceToURLProvider
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1.959 pyudev 0.15
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1.964 python-keystoneclient 4.2.0

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1.965 pathlib 2.3.5

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* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/FormatString.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/CompatibleWith.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/RestrictedApi.java
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1.967 jcl-over-slf4j 1.7.25
1.968 cmd2 1.5.0

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1.969 pciutils 3.5.1-3.el7

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  jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
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* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
  jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
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  /org/springframework/expressionspEL/SpelParseException.java
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  jar/org/springframework/expression/spel/support/AstUtils.java
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  jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
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  jar/org/springframework/expression/support/DataBindingPropertyAccessor.java
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  jar/org/springframework/expression/spel/SpelNode.java
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  jar/org/springframework/expression/BeanResolver.java
* /opt/cola/permits/1136375549_1613753111.25/0/spring-expression-5-2-6-release-sources-1-
  jar/org/springframework/expression/CommonCompositeStringExpression.java

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- javae_6.xsd
- javaee_web_services_1_3.xsd
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- web-common_3_0.xsd
- web-fragment_3_0.xsd
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- 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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- 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
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

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If such an object file uses only numerical parameters, data
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1.987 jackson-dataformat-xml 2.10.4

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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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1.988 x-oauth2 0.0.0

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* /opt/cola/permits/1137623521_1614109200.12/0/spring-boot-actuator-1-5-18-release-sources-2-
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changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
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1.1000 jnr-unixsocket 0.38.5

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1.1002 jackson-dataformat-yaml 2.10.3

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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/tools/reflect/ClassMetaobject.java
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* /opt/cola/permits/1135864419_1613618067.93/0/javassist-3-22-0-cr2-sources-4-jar/javassist/bytecode/ClassConstantPool.java
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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 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).

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* 
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* 
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* 
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* 
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* (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
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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.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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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 CONTRIBS 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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1.1007 spring-boot-starter-logging

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1. [1] Takao Abe <takao_abe@xurb.jp> Clock driver for JJY receivers
2. [2] Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3] Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT
   port. Clean up recvbuf and isignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver,
   Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete
    broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault
    <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and
    help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference
    clock driver, NT adj. residuals, integrated Greg's Winnt port.
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux
    port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for
    NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows
    port interpolation rewrite
21. [22]Chait Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping
    overhaul
26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or
27. [28]H.Lambermont@chello.nl> ntpswEEP
29. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original
    author)
    driver (>14 reference clocks), STREAMS modules for PARSE, support
    scripts, syslog cleanup, dynamic interface handling
29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX
    modifications, HPUX modifications
30. [33]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox
    GPS clock driver
32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
33. [36]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
34. [37]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation
    code for Version 3 as specified in RFC-1305
35. [38]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code
Maintenance
36. David L. Mills <mills@udel.edu> Version 4 foundation: clock
discipline, authentication, precision kernel; clock drivers:
Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics;
audio clock drivers: CHU, WWV/H, IRIG
37. Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
38. Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
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40. Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
41. Derek Mulcahy <derek@toybox.demon.co.uk> and Damon
Hart-Davis <d@hd.org> ARCRON MSF clock driver
42. Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code
maintenance
43. Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>
monitoring/trap scripts, statistics file handling
44. Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. Wilfredo Sanchez <wsanchez@apple.com> added support for
NetInfo
46. Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
47. Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/ subdirectory
48. Ray Schnitzler <schnitz@unipress.com> Unixware1 port
49. Michael Shields <shields@tembel.org> USNO clock driver
50. Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock
driver
51. Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
makeover, various other bits (see the ChangeLog)
52. Kenneth Stone <ken@sdd.hp.com> HP-UX port
53. Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast
support
54. Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock
driver
55. Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic
TrueTime clock driver
56. Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and
validated HTML documents according to the HTML DTD

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1.1025 logging-interceptor 3.14.8

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1.1027 go-jose v2.3.1

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1.1028 perl 5.16.3-299.el7_9
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# Contributions to the urllib3 project

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  * Better unicode support for filepost using StringIO buffers

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

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration
* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

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

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

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

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

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

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravelosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition
* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* 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

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

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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 len(s) := strings.HasSuffix(path, ".pb.go") {
            // .pb.go files are generated from the proto files.
            // .proto files must have license headers.
            return nil
        }
        return nil
    })
    if err != nil {
        return nil
    }
}
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
        }
    }

    return nil
}
if err != nil {
    t.Fatal(err)
}

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Andreas Litt <andreas.litt@gmail.com>
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1.1065 janino 2.7.6

1.1066 simpleclient 0.7.0

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  jar/io/netty/handler/ssl/OpenSslX509Certificate.java
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  jar/io/netty/handler/ssl/OpenSslEngine.java
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  jar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
  jar/io/netty/handler/ssl/IPF不少FilterRule.java
*/
jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/SslUtils.java
* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1.jar/io/netty/handler/ssl/OpenSsl.java
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* /opt/ws_local/PERMITS_SQL/1068232349_1594320675.63/0/netty-handler-4-1-49-final-sources-1-
1.1068 imporlib-metadata 4.0.1

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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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1.1071 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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---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>
</tbody>
</table>

Create 1st primary partition
ada64ace122978d000d1d1c0e5ee45d26 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

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<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
2e1cee529cb59c9341af6f0443f196a1 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
   c:     4096     20479     16384     unused        0     0
   d:        0     16064     16065     unused        0     0

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

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

Command (m for help):

BSD disklabel command (m for help):
1.1072 d-bus 1.10.24-15.el7

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

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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Appendix: How to Apply These Terms to Your New Libraries

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

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<signature of Ty Coon>, 1 April 1990
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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^L

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy,
and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library
with the Library (or with a work based on the Library) on a volume of
a storage or distribution medium does not bring the other work under
the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do
this, you must alter all the notices that refer to this License, so
that they refer to the ordinary GNU General Public License, version 2,
instead of to this License. (If a newer version than version 2 of the
ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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1.1084 make 3.82 24.el7

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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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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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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<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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of the GPL, as needed to protect the freedom of users.

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

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

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

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6. Conveying Non-Source Forms.

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

1.1085 gogo-googleapis v1.1.0
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1.1086 python-pam 0.1.4-1.el7

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* /opt/ws_local/PERMITS_SQL/1046392014_1590068745.95/0/python-pam-0.1.4-1.el7.src.rpm-cosi-expand-archive-XxeHenAz/pam-0.1.4.tar.gz-cosi-expand-archive-M3LxQWz0/pam-0.1.4/pam.py

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from setuptools import setup, find_packages
import sys, os
version = '0.1.4'

setup(name='pam',
    version=version,
    description="PAM interface using ctypes",
    long_description="An interface to the Pluggable Authentication Modules (PAM) library on linux, written in pure python (using ctypes)",
    classifiers=["Development Status :: 3 - Alpha",
                "Intended Audience :: Developers",
                "License :: OSI Approved :: MIT License",
                "Operating System :: POSIX :: Linux",
                "Operating System :: MacOS :: MacOS X",
                "Programming Language :: Python",
                "Topic :: Software Development :: Libraries :: Python Modules",
                "Topic :: System :: Systems Administration :: Authentication/Directory"
    ],
    keywords="",
    author='Chris AtLee',
    author_email='chris@atlee.ca',
    url='http://atlee.ca/software/pam',
    download_url = "http://atlee.ca/software/pam/dist/%s" % version,
    license='MIT',
    py_modules=['pam'],
    zip_safe=True,
    install_requires=[],
    entry_points=''
    # -*- Entry points: -*-
    '');

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1046392014_1590068745.95/0/python-pam-0.1.4-1.el7.src.rpm-cosi-expand-archive-XxeHenAz/pam-0.1.4.tar.gz-cosi-expand-archive-M3LxQWz0/pam-0.1.4/setup.py

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Name: python-pam
Version: 0.1.4
Release: 1%
Summary: Pure Python interface to the Pluggable Authentication Modules system on Linux

Group: Development/Libraries
License: MIT
URL: http://atlee.ca/software/pam/
Source0: https://pypi.python.org/packages/source/p/pam/pam-%{version}.tar.gz

BuildArch: noarch
BuildRequires: python2-devel
BuildRequires: python-setuptools

%description
This module provides an authenticate function that allows the caller to authenticate a given username / password against the PAM system on Linux.

%prep
%setup -q -n pam-%{version}

%build
%{__python2} setup.py build

%install
%{__python2} setup.py install --skip-build --root %{buildroot}

%files
%{python2_sitelib}/pam.py*
%{python2_sitelib}/pam-*.egg-info

%changelog
* Wed Jun 11 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.1.4-1
  - Bug #1104258 update to 0.1.4

* Sat Jun 07 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.1.3-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild

* Sun Aug 04 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 0.1.3-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild

* Tue Jul 09 2013 Juan Orti Alcaine <jorti@fedoraproject.org> - 0.1.3-1
  - Initial packaging

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* /opt/ws_local/PERMITS_SQL/1046392014_1590068745.95/0/python-pam-0.1.4-1.el7.src.rpm-cosi-expand-archive-XxeHenAz/python-pam.spec
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* /opt/ws_local/PERMITS_SQL/1046392014_1590068745.95/0/python-pam-0.1.4-1.el7.src.rpm-cosi-expand-archive-XxeHenAz/pam-0.1.4.tar.gz-cosi-expand-archive-M3LxQWz0/pam-0.1.4/pam.egg-info/PKG-INFO
1.1087 netty-buffer 4.1.49.Final

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* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4-1-49-final-sources-1-jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4-1-49-final-sources-1-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/PooledDuplicatedByteBuf.java

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* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/PoolChunkList.java
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* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/PoolThreadCache.java
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* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/UnpooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/PoolArena.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068232274_1594324101.89/0/netty-buffer-4.1.49-final-sources-1.jar/io/netty/buffer/UnpooledDirectByteBuf.java
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jar/io/netty/buffer/CompositeByteBuf.java
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