



Open Source Used In Cisco Emergency Responder 12.5Su4 MFG

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1.3 descriptor 4.0.FR

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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
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- javaee_web_services_1_3.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
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1.4 istack-commons 2.13

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1.6 libgd 1.5.13

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Although their code does not appear in the current release, the
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1.7 lua 5.1.4 14.el7

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1.8 open-ws 1.5.1

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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wsaddressing/impl/ReplyToUnmarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wsaddressing/impl/ProblemActionImpl.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wssecurity/impl/SecurityTokenReferenceBuilder.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wssecurity/impl/EmbeddedMarshaller.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wstrust/impl/UseKeyBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wstrust/impl/ClaimsUnmarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wsfed/impl/EndPointReferenceBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-

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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/ParticipantsBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/message/decoder/MessageDecodingException.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wssecurity/impl/UsernameUnmarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wspolicy/ExactlyOne.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wssecurity/impl/UsernameMarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/soap/common/SOAPHandler.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wspolicy/impl/AppliesToMarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wssecurity/impl/EncryptedHeaderBuilder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/message/handler/BaseHandlerChainAwareMessageEncoder.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/wstrust/impl/ValidateTargetUnmarshaller.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/soap/soap11/impl/FaultCodeImpl.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wstrust/Code.java
* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/soap/soap11/impl/EnvelopeUnmarshaller.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/soap/soap11/impl/FaultUnmarshaller.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wsaddressing/impl/AttributedUnsignedLongMarshaller.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wssecurity/Nonce.java
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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-jar/org/opensaml/ws/wstrust/Participants.java
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*/
/**
 * Indicates whether this encoder, given the current message context, provides end-to-end message confidentiality.
 *
 * @param messageContext the current message context
 *
 * @return true if the encoder provides end-to-end message confidentiality, false if not
 *
 * @throws MessageEncodingException thrown if the encoder encounter an error while attempt to evaluate its
ability
 *         to provide message confidentiality.
 */

```

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```

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*/
/**
 * Gets whether the transport represents a confidential connection (e.g. an SSL connection).
 *
 * @return whether the transport represents a confidential connection
 */
/**
 * Sets whether the transport represents a confidential connection.
 *
 * @param isConfidential whether the transport represents a confidential connection
 */

```

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<HTML>

<BODY>

<p>

XMLObject interfaces for WS-Security 2004 elements.

</p>

<p>

The OASIS [Web Services Security: SOAP Message Security 1.1 \(WS-Security 2004\)](http://docs.oasis-open.org/wss/v1.1/wss-v1.1-spec-os-SOAPMessageSecurity.pdf) specification describes enhancements to SOAP messaging to provide message integrity and confidentiality. This specification also provides a general-purpose mechanism for associating security tokens with message content.

</p>

<p>

The security token profiles currently supported are:

Web Services Security UsernameToken Profile 1.1

Web Services Security: SAML Token Profile 1.1

Web Services Security X.509 Certificate Token Profile 1.1

Web Services Security Kerberos Token Profile 1.1

</p>

</BODY>

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* /opt/cola/permits/1136474371_1613772404.24/0/openws-1-5-1-sources-2-
jar/org/opensaml/ws/transport/BaseTransport.java

1.9 commons-collections 3.2.2

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1.10 open-Idap 2.4.40 8.e17

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1.11 libuser 0.60-7.el7_1

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1.12 geronimoj2eemanagement 1.0.1

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1.13 apr-util 1.4.1

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1.15 rpm 4.11.3-35.el7

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1.16 psmisc 22.20 15.e17

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```

```
<signature of Ty Coon>, 1 April 1989
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/NamingPolicy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ClassNameReader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Block.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/ParallelSorter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/StringSwitcher.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddPropertyTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableStrategy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/ConstructorDelegate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/FieldProviderTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/TransformingClassLoader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Converter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBean.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AnnotationVisitorTee.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinBeanEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ClassesKey.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ClassEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Dispatcher.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassVisitorTee.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Local.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandler.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOp.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanGenerator.java

* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/Transformer.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ProcessSwitchCallback.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/GeneratorStrategy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/FieldProvider.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddDelegateTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldEnabled.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerTee.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassEmitterTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldCallback.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/DefaultGeneratorStrategy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/FixedKeySet.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/DuplicatesPredicate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/MethodVisitorTee.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/MethodFilterTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractProcessTask.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassFilter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Callback.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassTransformer.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodInterceptor.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Factory.java

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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastMethod.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/MethodDelegate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanCopier.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodProxy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/DebuggingClassWriter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandlerGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-

jar/net/sf/cglib/proxy/MethodInterceptorGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBeanEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerChain.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassFilterTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/FixedValueGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOpGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMapEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/TypeUtils.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/KeyFactory.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/VisibilityPredicate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/DefaultNamingPolicy.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastClass.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastClassEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/CodeEmitter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/ImmutableBean.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackFilter.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/EmitUtils.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/MulticastDelegate.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMap.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddStaticInitTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/DispatcherGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassLoader.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/Mixin.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/AbstractClassGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/MethodWrapper.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/ReflectUtils.java
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- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AbstractInterceptFieldCallback.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddInitTransformer.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackInfo.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/MethodInfoTransformer.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/core/RejectModifierPredicate.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinEverythingEmitter.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/InterfaceMaker.java
- * /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackHelper.java
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1.19 httpcomponents-client 4.5.6

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1.20 util-linux 2.23.2 26.el7

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*/

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

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

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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

__ts_dev__1		2048	4095	1024	83	Linux
-------------	--	------	------	------	----	-------

Create 2nd primary partition

1bebf87248e05d6e4e62b749da65d023 bsd.img

Set 2nd partition type

2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create default BSD

2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

4 partitions:


```
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0
```

BSD disklabel command (m for help):

Command (m for help):

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

Command (m for help):

BSD disklabel command (m for help):

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

BSD disklabel command (m for help):

1.21 colord 1.3.4 1.el7

1.22 openssh 7.5-p1

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- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
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- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

[The licence continues]

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* @version 3.0 (December 2000)

*

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

*

* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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1.27 free-type 2.4.11 11.el7

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```
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* $Header: /home/cvs/jakarta-commons/logging/src/java/org/apache/commons/logging/impl/SimpleLog.java,v 1.4
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jar/org/apache/commons/discovery/log/SimpleLog.java

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jar/org/apache/commons/discovery/log/DiscoveryLogFactory.java

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- * /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/jdk/JDK12Hooks.java
- * /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/tools/PropertiesHolder.java
- * /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/tools/DiscoverClass.java
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- * /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-jar/org/apache/commons/discovery/tools/SPInterface.java
- * /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-

jar/org/apache/commons/discovery/jdk/JDK11Hooks.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/tools/EnvironmentCache.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/tools/DefaultClassHolder.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/jdk/PsuedoSystemClassLoader.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/DiscoveryException.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/tools/ResourceUtils.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/tools/DiscoverSingleton.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/jdk/JDKHooks.java

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

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Found in path(s):

```

* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/ResourceDiscoverImpl.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceClassIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverNamesInDictionary.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverNamesInAlternateManagedProperties.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/ResourceNameDiscoverImpl.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ant/ServiceDiscoveryTask.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/DiscoverResources.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverNamesInManagedProperties.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverNamesInFile.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/classes/DiscoverClasses.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-

```

jar/org/apache/commons/discovery/resource/names/DiscoverServiceNames.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceClassDiscover.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverMappedNames.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceClass.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/DiscoverNamesInSystemProperties.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/names/NameDiscoverers.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceNameIterator.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/ClassLoaders.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/tools/Service.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/resource/classes/ResourceClassDiscoverImpl.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceDiscover.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/ResourceNameDiscover.java
* /opt/cola/permits/1136044975_1613664860.94/0/commons-discovery-0-2-sources-1-
jar/org/apache/commons/discovery/Resource.java

1.29 json-c 0.99.4-2.el7

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1.30 cxf-rt-transport-udp 2.7.14

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1.31 tomcat-dbcp 9.0.37

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1.32 cronie 1.4.11 17.el7

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 */
/**
 * Indicates whether this encoder, given the current message context, provides end-to-end message confidentiality.
 *
 * @param messageContext the current message context
 *
 * @return true if the encoder provides end-to-end message confidentiality, false if not
 *
 * @throws MessageEncodingException thrown if the encoder encounter an error while attempt to evaluate its
ability
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 */
```

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*/

/**

* Gets whether the transport represents a confidential connection (e.g. an SSL connection).

*

* @return whether the transport represents a confidential connection

*/

/**

* Sets whether the transport represents a confidential connection.

*

* @param isConfidential whether the transport represents a confidential connection

*/

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<p>

XMLObject interfaces for WS-Security 2004 elements.

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<p>

The OASIS [Web Services Security: SOAP Message Security 1.1 \(WS-Security 2004\)](http://docs.oasis-open.org/wss/v1.1/wss-v1.1-spec-os-SOAPMessageSecurity.pdf) specification describes enhancements to SOAP messaging to provide message integrity and confidentiality. This specification also provides a general-purpose mechanism for associating security tokens with message content.

</p>

<p>

The security token profiles currently supported are:

Web Services Security UsernameToken Profile 1.1

Web Services Security: SAML Token Profile 1.1

Web Services Security X.509 Certificate Token Profile 1.1

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jar/org/opensaml/ws/wstrust/RenewTarget.java
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* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/util/resource/FileBackedHttpResource.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/KeyExchangeTokenBuilder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/message/encoder/BaseMessageEncoder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsaddressing/impl/ReplyToUnmarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsfed/RequestedSecurityToken.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/util/resource/ResourceChangeListener.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wspolicy/impl/AppliesToMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-

jar/org/opensaml/ws/wsaddressing/impl/AbstractWSAddressingObjectBuilder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/UseKeyMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/soap/soap11/impl/FaultCodeBuilder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wssecurity/impl/TransformationParametersUnmarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/IssuerUnmarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/EntropyMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/transport/http/HttpServletResponseAdapter.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wspolicy/impl/PolicyAttachmentMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/RenewingBuilder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/soap/soap11/Fault.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/KeyTypeImpl.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/EncryptionMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/CombinedHashMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/EncryptionAlgorithmImpl.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/soap/soap11/impl/BodyImpl.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsfed/impl/RequestedSecurityTokenUnmarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/RequestTypeMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/soap/soap11/encoder/SOAP11Encoder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsaddressing/impl/RelatesToImpl.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsaddressing/impl/MessageIDBuilder.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsaddressing/FaultTo.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wstrust/impl/KeySizeMarshaller.java
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-
jar/org/opensaml/ws/wsfed/impl/RequestSecurityTokenResponseUnmarshaller.java
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Found in path(s):

```
* /opt/cola/permits/1136513752_1613776080.17/0/openws-1-4-4-sources-3-  
jar/org/opensaml/ws/transport/BaseTransport.java
```

1.42 cxf-xjc-ts 3.0.2

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1.43 cxf-tools-wsdlto-frontend-javascript

2.7.14

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1.46 traceroute 2.0.22 2.el7

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1.47 xml-apis 2.0.2

1.48 asm 1.0.2

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```
* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/ASMUtil.java
* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/BeansAccess.java
* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-jar/net/minidev/asm/Accessor.java
* /opt/cola/permits/1136045159_1613665028.4/0/asm-1-0-2-sources-2-
jar/net/minidev/asm/DynamicClassLoader.java
```

1.49 commons-codec 1.9

1.49.1 Available under license :

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java

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1.50 libsoup 2.56.0 6.el7

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

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

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

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

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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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1.51 libpcap 1.5.3 11.e17

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1.52 libnotify 0.7.7 1.e17

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1.53 dhcp 4.2.5

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* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

```
=====
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1.54 gir1.2-gdkpixbuf-2.0 2.20.0

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1.55 antlr 2.7.7

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1.56 ognl 3.1.26

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1.57 jax-rs-provider 1.9.2

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1.58 cxf-rt-databinding-aegis 2.7.14

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1.59 tomcat-el-api 9.0.37

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1.66 libjpeg 6b

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README for release 6b of 27-Mar-1998
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DOCUMENTATION ROADMAP

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderrules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

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

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

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REFERENCES

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

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

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

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from [ftp.sgi.com](ftp://ftp.sgi.com) or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
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RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,

is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

=====

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary

smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.67 nettle 2.7.1 8.e17

1.67.1 Available under license :

```
/* pbkdf2-hmac-sha256.c
```

```
*
```

```
* PKCS #5 PBKDF2 used with HMAC-SHA256, see RFC 2898.
```

```
*/
```

```
/* nettle, low-level cryptographics library
```

```
*
```

```
* Copyright (C) 2012 Simon Josefsson
```

```
*
```

```
* The nettle library is free software; you can redistribute it and/or modify  
* it under the terms of the GNU Lesser General Public License as published by  
* the Free Software Foundation; either version 2.1 of the License, or (at your  
* option) any later version.
```

```
*
```

```
* The nettle library is distributed in the hope that it will be useful, but  
* WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY  
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```

```
*
```

```
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* along with the nettle library; see the file COPYING.LIB. If not, write to  
* the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,  
* MA 02111-1301, USA.
```

```
*/
```

```
/* crypto/des/destest.c */
```

```
/* Copyright (C) 1995-1997 Eric Young (eay@cryptsoft.com)
```

```
* All rights reserved.
```

```
*
```

```
* This package is an SSL implementation written  
* by Eric Young (eay@cryptsoft.com).  
* The implementation was written so as to conform with Netscapes SSL.
```

```
*
```

```
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1.68 attr 2.4.46-12.el7

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```
printf("%s",png_get_copyright(NULL));
```

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
June 26, 2010

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1.71 snake-yaml 1.24

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1.72 cxf-rt-ws-addr 2.7.14

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1.73 pam 0.82.2

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1.74 libmnl 1.0.3 7.e17

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1.76 jetty 8.1.15.v20140411

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/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialPort()
 */
/*
 * @see org.eclipse.jetty.server.Connector#getConfidentialScheme()
 */
/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server .Request)
 */
/*
 * @see org.eclipse.jetty.server.Connector#isConfidential(org.eclipse.jetty.server.Request)
 */
```

```
/**
 * @param confidentialPort
 *     The confidentialPort to set.
 */
/**
 * @param confidentialScheme
 *     The confidentialScheme to set.
 */
```

Found in path(s):

```
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/AbstractConnector.java
```

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jar/org/eclipse/jetty/server/ResourceCache.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/SessionManager.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/ShutdownMonitor.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/ssl/SslConnector.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/RequestLog.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/ServletRequestHttpWrapper.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/HandlerCollection.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/HttpOutput.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/ResourceHandler.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/ConnectHandler.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/ScopedHandler.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/HandlerList.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/SessionIdManager.java
```

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/Authentication.java

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* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/nio/AbstractNIOConnector.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/CookieCutter.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/handler/ContextHandlerCollection.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/session/HashSessionIdManager.java

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* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/nio/NIOConnector.java

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* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/handler/IdleTimeoutHandler.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/session/JDBCSessionManager.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/Request.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/UserIdentity.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/session/HashedSession.java

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* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/handler/RequestLogHandler.java

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/handler/MovedContextHandler.java

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* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/BlockingHttpConnection.java
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jar/org/eclipse/jetty/server/nio/SelectChannelConnector.java
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jar/org/eclipse/jetty/server/handler/GzipHandler.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/bio/SocketConnector.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/ServletResponseHttpWrapper.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/AbstractHandlerContainer.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/HttpInput.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/AsyncContinuation.java
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/handler/ProxyHandler.java

```

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Found in path(s):

```

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/about.html

```

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/**
 * Find out if the request supports CONFIDENTIAL security.
 * @param request the incoming HTTP request
 * @return the result of calling { @link Connector#isConfidential(Request)}, or false
 * if there is no connector
 */

```

Found in path(s):

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/AbstractHttpConnection.java

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

Connector: HTTP Connector.

server: MObject:RO:The server for this connector

requestHeaderSize: The size of a request header buffer

requestBufferSize: The size of a request content buffer

responseHeaderSize: The size of a response header buffer

responseBufferSize: The size of a response content buffer

integralPort: Port to use for integral redirections

integralScheme: Scheme to use for integral redirections

confidentialPort: Port to use for confidential redirections

confidentialScheme: Scheme to use for confidential redirections

host: Host name to accept connections on

port: TCP/IP port to accept connections on

maxIdleTime: Maximum time in ms that a connection can be idle before being closed

statsOn: True if statistics collection is turned on.

statsOnMs: Time in milliseconds stats have been collected for.

statsReset(): Reset statistics.

connections: Number of connections accepted by the server since statsReset() called. Undefined if setStatsOn(false).

connectionsOpen: Number of connections currently open that were opened since statsReset() called. Undefined if setStatsOn(false).

connectionsOpenMax: Maximum number of connections opened simultaneously since statsReset() called. Undefined if setStatsOn(false).

connectionsDurationMean: Mean duration in milliseconds of open connections since statsReset() called. Undefined if setStatsOn(false).

connectionsDurationStdDev: Standard deviation of duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).

connectionsDurationMax: Maximum duration in milliseconds of an open connection since statsReset() called. Undefined if setStatsOn(false).

connectionsDurationTotal: Total duration in milliseconds of all open connection since statsReset() called. Undefined if setStatsOn(false).

connectionsRequestsMean: Mean number of requests per connection since statsReset() called. Undefined if setStatsOn(false).

connectionsRequestsStdDev: Standard deviation of number of requests per connection since statsReset() called. Undefined if setStatsOn(false).

connectionsRequestsMax: Maximum number of requests per connection since statsReset() called. Undefined if setStatsOn(false).

requests: Number of requests since statsReset() called. Undefined if setStatsOn(false).

open(): Open the listening port

close(): Close the listening port (but allow existing connections to continue for graceful shutdown)

Found in path(s):

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/jmx/Connector-mbean.properties

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/**
 * By default, we're confidential, given we speak SSL. But, if we've been
 * told about an confidential port, and said port is not our port, then
 * we're not. This allows separation of listeners providing INTEGRAL versus
 * CONFIDENTIAL constraints, such as one SSL listener configured to require
 * client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */
```

Found in path(s):

```
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
jar/org/eclipse/jetty/server/ssl/SslSelectChannelConnector.java
```

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AbstractConnector: Abstract implementation of the Connector interface.

acceptors: The number of acceptor threads.

acceptQueueSize: The size of the accept queue.

acceptorPriorityOffset: Priority offset of the acceptor threads. The priority is adjusted by this amount to either favor the acceptance of new threads and newly active connections or to favor the handling of already dispatched connections.

forwardedForHeader: The header name for forwarded for (default x-forwarded-for).

forwardedHostHeader: The header name for forwarded hosts (default x-forwarded-host)

forwardedServerHeader: The header name for forwarded server (default x-forwarded-server)

forwarded: Whether reverse proxy handling is on. True if this connector is checking the forwarded for/host/server headers.

host: Host name of the server.

hostHeader: Forced value for the host header. Only used if forwarded is true.

soLingerTime: Enable or disable SO_LINGER with the specified linger time in seconds.

reuseAddress: Whether the server socket will be opened in SO_REUSEADDR mode.

name: Name of the connector.

resolveNames: Whether or not to use DNS when handling forwards.

confidentialPort: Port to use for confidential redirections.

confidentialScheme: Scheme to use for confidential redirections.

integralPort: Port to use for integral redirections.

integralScheme: Scheme to use for integral redirections.

lowResourcesMaxIdleTime: The period in ms that a connection may be idle when the connector has low resources, before it is closed.

Found in path(s):

```
* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-
```

jar/org/eclipse/jetty/server/jmx/AbstractConnector-mbean.properties

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/**
 * @return The port to use when redirecting a request if a data constraint of confidential is
 * required. See { @link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @return The schema to use when redirecting a request if a data constraint of confidential is
 * required. See { @link org.eclipse.jetty.util.security.Constraint#getDataConstraint()}
 */
/**
 * @param request A request
 * @return true if the request is confidential. This normally means the https schema has been used.
 */
```

Found in path(s):

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/Connector.java

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/**
 * By default, we're confidential, given we speak SSL. But, if we've been told about an
 * confidential port, and said port is not our port, then we're not. This allows separation of
 * listeners providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener
 * configured to require client certs providing CONFIDENTIAL, whereas another SSL listener not
 * requiring client certs providing mere INTEGRAL constraints.
 */
/**
 * By default, we're integral, given we speak SSL. But, if we've been told about an integral
 * port, and said port is not our port, then we're not. This allows separation of listeners
 * providing INTEGRAL versus CONFIDENTIAL constraints, such as one SSL listener configured to
 * require client certs providing CONFIDENTIAL, whereas another SSL listener not requiring
 * client certs providing mere INTEGRAL constraints.
 */
```

Found in path(s):

* /opt/cola/permits/1000740496_1608542190.38/0/jetty-server-8-1-15-v20140411-sources-jar/org/eclipse/jetty/server/ssl/SslSocketConnector.java

1.77 squashfs-tools 4.3 0.21.gitae0aff4.el7

1.78 libdaemon 0.14 7.el7

1.78.1 Available under license :

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1.79 diffutils 3.3-4.el7

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1.86 icu 50.1.2 15.e17

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```
## *-makefile-*  
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
## Copyright (c) 1999-2009, International Business Machines Corporation and  
## others. All Rights Reserved.  
  
## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC  
  
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =  
  
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,  
  
## Compiler switch to embed a library name  
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))  
  
## Shared library options  
LD_SOOPTIONS= -Wl,-Bsymbolic  
  
## Shared object suffix  
SO = so  
## Non-shared intermediate object suffix  
STATIC_O = ao  
  
## Compilation rules  
%. $(STATIC_O): $(srcdir)/%.c
```

```

$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

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

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

## Versioned libraries rules

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

## End FreeBSD-specific setup

```

1.87 asm 3.1

1.88 file 5.11 33.el7

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1.89 jansson 2.4 6.e17

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1.90 libflac 1.3.0 5.e17_1

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1.91 libxt 1.1.5 3.el7

1.92 cxf-rt-bindings-xml 2.7.14

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1.93 nfs-utils 0.25 12.el7

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1.94 opensaml-java 2.6.5

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*

minibz2

libbz2.dll test program.

by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)

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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]

*/

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1.100 regexp 1.3

1.101 tiles-request-servlet 1.0.7

1.101.1 Available under license :

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1.102 bcel 2.7.2

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*/

```

/*
 * $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
 */
package org.apache.xalan;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */
public class Version
{

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

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

    /**
     * Name of product: Xalan.

```

```

*/
public static String getProduct()
{
    return "Xalan";
}

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

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

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

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

```

```

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

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

```

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.src

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*/
/**
* This is a special exception that is used to stop parsing when
* search for an element. For instance, when searching for xml:stylesheet
* PIs, it is used to stop the parse once the document element is found.
* @see StylesheetPIHandler
* @xsl.usage internal
*/
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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 * limitations under the License.
 */
/*
 * $Id: Version.src 468654 2006-10-28 07:09:23Z minchau $
 */
package org.apache.xml.serializer;

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

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

```

        +( getDevelopmentVersionNum() > 0) ?
            ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum());
    }

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

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

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

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

```



```

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

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

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

```

```

    return 0;
else
    return Integer.parseInt("@version.DEVELOPER@");
} catch (NumberFormatException nfe) {
    return 0;
}
}
}

```

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

```

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 * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.java
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```

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

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
```

jar/org/apache/xpath/compiler/FunctionTable.java

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

```
# to you under the Apache License, Version 2.0 (the "License");
# you may not use this file except in compliance with the License.
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```

Found in path(s):

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

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/*

```
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*
* Unless required by applicable law or agreed to in writing, software
* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
```

*/

/*

```
* $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
```

```
*/
```

```
/*
```

```
* @author Jacek Ambroziak
```

```
* @author Santiago Pericas-Geertsen
```

```
* @author Morten Jorgensen
```

```
* @author G. Todd Miller
```

```
*/
```

```
package org.apache.xalan.xsltc.compiler;
```

```
import java.util.Stack;
```

```
import java.util.Vector;
```

```
import java.io.StringReader;
```

```
import java_cup.runtime.*;
```

```
import org.apache.xml.dtm.DTM;
```

```
import org.apache.xalan.xsltc.DOM;
```

```
import org.apache.xml.dtm.Axis;
```

```
import org.apache.xalan.xsltc.runtime.Operators;
```

```
import org.apache.xalan.xsltc.compiler.util.ErrorMsg;
```

```
parser code {:
```

```
/**
```

```
 * Used by function calls with no args.
```

```
*/
```

```
static public final Vector EmptyArgs = new Vector(0);
```

```
/**
```

```
 * Reference to non-existing variable.
```

```
*/
```

```
static public final VariableRef DummyVarRef = null;
```

```
/**
```

```
 * Reference to the Parser class.
```

```
*/
```

```
private Parser _parser;
```

```
private XSLTC _xsltc;
```

```
/**
```

```
 * String representation of the expression being parsed.
```

```
*/
```

```
private String _expression;
```

```
/**
```

```
 * Line number where this expression/pattern was declared.
```

```
*/
```

```

private int _lineNumber = 0;

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

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

public int getLineNumber() {
    return _lineNumber;
}

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

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

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

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

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

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

```

```

public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
int nodeType;

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

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

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

if (axis == Axis.NAMESPACE) {
nodeType = (name.toString().equals("*")) ? -1
: _xsltC.registerNamespacePrefix(name);;
    }
    else {
final String uri = name.getNamespace();
final String local = name.getLocalPart();
final QName namespace_uri =
    _parser.getQNameIgnoreDefaultNs("namespace-uri");

// Expand {uri}:* to *[namespace-uri() = 'uri'] - same for @*
if (uri != null && (local.equals("*") || local.equals("@*"))) {
    if (predicates == null) {
predicates = new Vector(2);
    }

// Priority is set by hand if no other predicates exist
setPriority = (predicates.size() == 0);

    predicates.add(
new Predicate(
    new EqualityExpr(Operators.EQ,
new NamespaceUriCall(namespace_uri),
new LiteralExpr(uri))););
    }

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

```

```

else if (local.equals("@*")) {
    nodeType = NodeTest.ATTRIBUTE;
}
else {
    nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
}
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

// Set priority for case prefix:* and prefix:@* (no predicates)
if (setPriority) {
result.setPriority(-0.25);
}

return result;
}
}

public int findNodeType(int axis, Object test) {
if (test == null) { // *
    return (axis == Axis.ATTRIBUTE) ?
NodeTest.ATTRIBUTE :
(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
}
else if (test instanceof Integer) {
    return ((Integer)test).intValue();
}
else {
QName name = (QName)test;

if (axis == Axis.NAMESPACE) {
return (name.toString().equals("*")) ? -1
: _xsltc.registerNamespacePrefix(name);
}

if (name.getNamespace() == null) {
final String local = name.getLocalPart();

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

```



```

    return (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
: _xsltc.registerElement(name);
    }
}

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {
        ErrorMsg err = new ErrorMsg(ErrorMsg.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

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

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

```

```

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

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

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

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

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QNAME;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;

```

```

terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;
non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;
non terminal QName QName, FunctionName, VariableName;
non terminal Integer AxisName, AxisSpecifier;
non terminal Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;
precedence left OR;
precedence left AND;
precedence nonassoc EQ, NE;
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;
precedence left DIV, MOD, MULT;
precedence left DOLLAR;
precedence left ATSIGN;
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern
           { : RESULT = pattern; : }

```

```

| EXPRESSION Expr:expr
{: RESULT = expr; :};

/* ----- Patterns ----- */

Pattern ::= LocationPathPattern:lpp
{: RESULT = lpp; :}

| LocationPathPattern:lpp VBAR Pattern:p
{: RESULT = new AlternativePattern(lpp, p); :};

LocationPathPattern ::= SLASH
{: RESULT = new AbsolutePathPattern(null); :}

| SLASH RelativePathPattern:rpp
{: RESULT = new AbsolutePathPattern(rpp); :}

| IdKeyPattern:ikp
{: RESULT = ikp; :}

| IdKeyPattern:ikp SLASH RelativePathPattern:rpp
{: RESULT = new ParentPattern(ikp, rpp); :}

| IdKeyPattern:ikp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(ikp, rpp); :}

| DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(rpp); :}

| RelativePathPattern:rpp
{: RESULT = rpp; :};

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

| KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
{: RESULT = new KeyPattern(l1, l2); :};

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{: RESULT = new ProcessingInstructionPattern(l); :};

RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}

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

```

```

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

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

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

    | ProcessingInstructionPattern:pip
    { : RESULT = pip; : }

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

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

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

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

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

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

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

```

```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```

```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```

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

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

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

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

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

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

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

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

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

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



```

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

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

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

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

    | AbbreviatedRelativeLocationPath:arlp
    { : RESULT = arlp; : };

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

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

    | AbbreviatedAbsoluteLocationPath:aalp
    { : RESULT = aalp; : };

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

    if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
        // Compress './child:E' into 'descendant::E' - if possible
        if (predicates == null) {
            right.setAxis(Axis.DESCENDANT);
            if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
                RESULT = right;
            }
        }
    }
    }

```

```

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

```

AbbreviatedAbsolutePath ::= DSLASH RelativeLocationPath:rlp

```

{:
//
// Expand '/' into '/descendant-or-self::node()' or
// into '/descendant-or-self::*/'

```

```

//
int nodeType = DOM.NO_TYPE;
if (rlp instanceof Step &&
    parser.isElementAxis(((Step) rlp).getAxis()))
{
    nodeType = DTM.ELEMENT_NODE;
}
final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
RESULT = new AbsoluteLocationPath(parser.insertStep(step,
(RelativeLocationPath) rlp));
:};

```

Step ::= NodeTest:ntest

```

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

```

| NodeTest:ntest Predicates:pp

```

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

```

| AxisSpecifier:axis NodeTest:ntest Predicates:pp

```

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

```

| AxisSpecifier:axis NodeTest:ntest

```

{: RESULT = new Step(axis.intValue(),
                    parser.findNodeType(axis.intValue(), ntest),
                    null);
:}

```

| AbbreviatedStep:abbrev
{: RESULT = abbrev; :};

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```

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

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

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

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

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

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

    | Literal:string
    {:
    /*
    * If the string appears to have the syntax of a QName, store
    * namespace info in the literal expression. This is used for
    * element-available and function-available functions, among
    * others. Also, the default namespace must be ignored.
    */
    String namespace = null;
    final int index = string.lastIndexOf(':');

    if (index > 0) {
        final String prefix = string.substring(0, index);
        namespace = parser._symbolTable.lookupNamespace(prefix);
    }
    RESULT = (namespace == null) ? new LiteralExpr(string)
        : new LiteralExpr(string, namespace);
    :}

    | INT:num
    {:
    long value = num.longValue();
    if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
    RESULT = new RealExpr(value);
    }
    else {
        if (num.doubleValue() == -0)
            RESULT = new RealExpr(num.doubleValue());
        else if (num.intValue() == 0)

```

```

        RESULT = new IntExpr(num.intValue());
    else if (num.doubleValue() == 0.0)
        RESULT = new RealExpr(num.doubleValue());
    else
        RESULT = new IntExpr(num.intValue());
}
:}

```

```

| REAL:num
{: RESULT = new RealExpr(num.doubleValue()); :}

```

```

| FunctionCall:fc
{: RESULT = fc; :};

```

VariableReference ::= DOLLAR VariableName:varName

```

{:
    // An empty QName prefix for a variable or parameter reference
    // should map to the null namespace and not the default URI.
    SyntaxTreeNode node = parser.lookupName(varName);

    if (node != null) {
        if (node instanceof Variable) {
            RESULT = new VariableRef((Variable)node);
        }
        else if (node instanceof Param) {
            RESULT = new ParameterRef((Param)node);
        }
        else {
            RESULT = new UnresolvedRef(varName);
        }
    }

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

```

FunctionCall ::= FunctionName:fname LPAREN RPAREN

```

{:
    if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
        RESULT = new CurrentCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, parser.EmptyArgs);
    }
:};

```

```

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

```

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN

```

{:
if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
parser.setMultiDocument(true);
    RESULT = new DocumentCall(fname, argl);
}

```

```

else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
    RESULT = new BooleanCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, arg1);
    parser.setHasIdCall(true);
}
else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
    RESULT = new CeilingCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, arg1);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, arg1);
}

```



```

}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) {
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Constants.TRANSLET_URI, "xslt", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}
};

```

NonemptyArgumentList ::= Argument:arg

```

{:
    Vector temp = new Vector();
    temp.addElement(arg);
    RESULT = temp;
:}

```

```

| Argument:arg COMMA NonemptyArgumentList:argl
{: argl.insertElementAt(arg, 0); RESULT = argl; :};

```

FunctionName ::= QName:fname

```

{:
    RESULT = fname;
:};

```

VariableName ::= QName:vname

```

{:
    RESULT = vname;
:};

```

Argument ::= Expr:ex

```

{: RESULT = ex; :};

```

```

NodeTest ::= NameTest:nt
    { : RESULT = nt; : }

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

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

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

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

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

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

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

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

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

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

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

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

```

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

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

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

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

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

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

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

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

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

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

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

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

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

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/xpath.cup

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

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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
// is found, then throw a special exception in order to terminate
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/TransformerFactoryImpl.java
No license file was found, but licenses were detected in source scan.
```

```
/*
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* the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR
* PURPOSE.
* See W3C License http://www.w3.org/Consortium/Legal/ for more details.
*/
```

Found in path(s):

```
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java
No license file was found, but licenses were detected in source scan.
```

```
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*
*   http://www.apache.org/licenses/LICENSE-2.0
*
*/
```

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* distributed under the License is distributed on an "AS IS" BASIS,
* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.

*/
/**

* Execute the proprietary document-location() function, which returns
* a node set of documents.
* @xsl.usage advanced
*/

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xpath/functions/FuncDoclocation.java

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

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*/

/*

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

*/

/*

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

*

*/

package org.apache.xalan.xsltc.compiler;

import java_cup.runtime.Symbol;

%%

```

%cup
%unicode
%class XPathLexer
%yyeof

%{
    int last;

    void initialize() {
        last = -1;
    }

    static boolean isWhitespace(int c) {
        return (c == ' ' || c == '\t' || c == '\r' || c == '\n' || c == '\f');
    }

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

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

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

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

    /**
     * If symbol is first token or if it follows any of the operators
     * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
     * name instead of a keyword (Jira-1912).
     */
    Symbol disambiguateOperator(int ss) throws Exception {
        switch (last) {

```

```

case -1: // first token
case sym.ATSIGN:
case sym.DCOLON:
case sym.LPAREN:
case sym.LBRACK:
case sym.COMMA:
case sym.AND:
case sym.OR:
case sym.MOD:
case sym.DIV:
case sym.MULT:
case sym.SLASH:
case sym.DSLASH:
case sym.VBAR:
case sym.PLUS:
case sym.MINUS:
case sym.EQ:
case sym.NE:
case sym.LT:
case sym.LE:
case sym.GT:
case sym.GE:
    return newSymbol(sym.QNAME, yytext());
}
return newSymbol(ss);
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * wildcard instead of a multiplication operator
 */
Symbol disambiguateStar() throws Exception {
    switch (last) {
        case -1: // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:
        case sym.AND:
        case sym.OR:
        case sym.MOD:
        case sym.DIV:
        case sym.MULT:
        case sym.SLASH:
        case sym.DSLASH:
        case sym.VBAR:

```

```

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

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

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

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

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

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

%yylexthrow{
Exception
%yylexthrow}

Letter={BaseChar}|{Ideographic}

BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u00FF\u0100-\u0131\u0134-
\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F0\u01F4-\u01F5\u01FA-\u0217\u0250-
\u02A8\u02BB-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-
\u03D6\u03DA\u03DC\u03DE\u03E0\u03E2-\u03F3\u0401-\u040C\u040E-\u044F\u0451-\u045C\u045E-

```


\u0481\u0490-\u04C4\u04C7-\u04C8\u04CB-\u04CC\u04D0-\u04EB\u04EE-\u04F5\u04F8-\u04F9\u0531-
\u0556\u0559\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F2\u0621-\u063A\u0641-\u064A\u0671-\u06B7\u06BA-
\u06BE\u06C0-\u06CE\u06D0-\u06D3\u06D5\u06E5-\u06E6\u0905-\u0939\u093D\u0958-\u0961\u0985-
\u098C\u098F-\u0990\u0993-\u09A8\u09AA-\u09B0\u09B2\u09B6-\u09B9\u09DC-\u09DD\u09DF-
\u09E1\u09F0-\u09F1\u0A05-\u0A0A\u0A0F-\u0A10\u0A13-\u0A28\u0A2A-\u0A30\u0A32-\u0A33\u0A35-
\u0A36\u0A38-\u0A39\u0A59-\u0A5C\u0A5E\u0A72-\u0A74\u0A85-\u0A8B\u0A8D\u0A8F-\u0A91\u0A93-
\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0ABD\u0AE0\u0B05-\u0B0C\u0B0F-\u0B10\u0B13-
\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3D\u0B5C-\u0B5D\u0B5F-\u0B61\u0B85-
\u0B8A\u0B8E-\u0B90\u0B92-\u0B95\u0B99-\u0B9A\u0B9C\u0B9E-\u0B9F\u0BA3-\u0BA4\u0BA8-
\u0BAA\u0BAE-\u0BB5\u0BB7-\u0BB9\u0C05-\u0C0C\u0C0E-\u0C10\u0C12-\u0C28\u0C2A-\u0C33\u0C35-
\u0C39\u0C60-\u0C61\u0C85-\u0C8C\u0C8E-\u0C90\u0C92-\u0CA8\u0CAA-\u0CB3\u0CB5-
\u0CB9\u0CDE\u0CE0-\u0CE1\u0D05-\u0D0C\u0D0E-\u0D10\u0D12-\u0D28\u0D2A-\u0D39\u0D60-
\u0D61\u0E01-\u0E2E\u0E30\u0E32-\u0E33\u0E40-\u0E45\u0E81-\u0E82\u0E84\u0E87-
\u0E88\u0E8A\u0E8D\u0E94-\u0E97\u0E99-\u0E9F\u0EA1-\u0EA3\u0EA5\u0EA7\u0EAA-\u0EAB\u0EAD-
\u0EAE\u0EB0\u0EB2-\u0EB3\u0EBD\u0EC0-\u0EC4\u0F40-\u0F47\u0F49-\u0F69\u10A0-\u10C5\u10D0-
\u10F6\u1100\u1102-\u1103\u1105-\u1107\u1109\u110B-\u110C\u110E-
\u1112\u113C\u113E\u1140\u114C\u114E\u1150\u1154-\u1155\u1159\u115F-
\u1161\u1163\u1165\u1167\u1169\u116D-\u116E\u1172-\u1173\u1175\u119E\u11A8\u11AB\u11AE-
\u11AF\u11B7-\u11B8\u11BA\u11BC-\u11C2\u11EB\u11F0\u11F9\u1E00-\u1E9B\u1EA0-\u1EF9\u1F00-
\u1F15\u1F18-\u1F1D\u1F20-\u1F45\u1F48-\u1F4D\u1F50-\u1F57\u1F59\u1F5B\u1F5D\u1F5F-\u1F7D\u1F80-
\u1FB4\u1FB6-\u1FBC\u1FBE\u1FC2-\u1FC4\u1FC6-\u1FCC\u1FD0-\u1FD3\u1FD6-\u1FDB\u1FE0-
\u1FEC\u1FF2-\u1FF4\u1FF6-\u1FFC\u2126\u212A-\u212B\u212E\u2180-\u2182\u3041-\u309A\u30A1-
\u30FA\u3105-\u312C\uAC00-\uD7A3]

Ideographic=[\u4E00-\u9FA5\u3007\u3021-\u3029]

CombiningChar=[\u0300-\u0345\u0360-\u0361\u0483-\u0486\u0591-\u05A1\u05A3-\u05B9\u05BB-
\u05BD\u05BF\u05C1-\u05C2\u05C4\u064B-\u0652\u0670\u06D6-\u06DC\u06DD-\u06DF\u06E0-\u06E4\u06E7-
\u06E8\u06EA-\u06ED\u0901-\u0903\u093C\u093E-\u094C\u094D\u0951-\u0954\u0962-\u0963\u0981-
\u0983\u09BC\u09BE\u09BF\u09C0-\u09C4\u09C7-\u09C8\u09CB-\u09CD\u09D7\u09E2-
\u09E3\u0A02\u0A3C\u0A3E\u0A3F\u0A40-\u0A42\u0A47-\u0A48\u0A4B-\u0A4D\u0A70-\u0A71\u0A81-
\u0A83\u0ABC\u0ABE-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0B01-\u0B03\u0B3C\u0B3E-\u0B43\u0B47-
\u0B48\u0B4B-\u0B4D\u0B56-\u0B57\u0B82-\u0B83\u0BBE-\u0BC2\u0BC6-\u0BC8\u0BCA-
\u0BCD\u0BD7\u0C01-\u0C03\u0C3E-\u0C44\u0C46-\u0C48\u0C4A-\u0C4D\u0C55-\u0C56\u0C82-
\u0C83\u0CBE-\u0CC4\u0CC6-\u0CC8\u0CCA-\u0CCD\u0CD5-\u0CD6\u0D02-\u0D03\u0D3E-\u0D43\u0D46-
\u0D48\u0D4A-\u0D4D\u0D57\u0E31\u0E34-\u0E3A\u0E47-\u0E4E\u0EB1\u0EB4-\u0EB9\u0EBB-
\u0EBC\u0EC8-\u0ECD\u0F18-\u0F19\u0F35\u0F37\u0F39\u0F3E\u0F3F\u0F71-\u0F84\u0F86-\u0F8B\u0F90-
\u0F95\u0F97\u0F99-\u0FAD\u0FB1-\u0FB7\u0FB9\u20D0-\u20DC\u20E1\u302A-\u302F\u3099\u309A]

Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u096F\u09E6-\u09EF\u0A66-\u0A6F\u0AE6-
\u0AEF\u0B66-\u0B6F\u0BE7-\u0BEF\u0C66-\u0C6F\u0CE6-\u0CEF\u0D66-\u0D6F\u0E50-\u0E59\u0ED0-
\u0ED9\u0F20-\u0F29]

Extender=[\u00B7\u02D0\u02D1\u0387\u0640\u0E46\u0EC6\u3005\u3031-\u3035\u309D-\u309E\u30FC-\u30FE]

NCName=({Letter}|"_{NCNameStartChar})({NCNameChar})*

NCNameChar={Letter}|{Digit}|"."-"_"|_{CombiningChar}|{Extender}|{NCNameStartChar} | [\u00B7 | [\u0300-

\u036F] | [\u203F-\u2040] | [\u0130-\u0136]

NCNameStartChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u02FF\u0370-\u037D\u037F-\u1FFF\u200C-\u200D\u2070-\u218F\u2C00-\u2FEF\u3001-\uD7FF\uF900-\uFDCF\uFDF0-\uFFFD] | \u005F | ({HighSurrogate}{LowSurrogate})

HighSurrogate=[\uD800-\uDBFF]

LowSurrogate=[\uDC00-\uDFFF]

%%

```
"*"          { return disambiguateStar(); }
"/"          { return newSymbol(sym.SLASH); }
"+"          { return newSymbol(sym.PLUS); }
"-"          { return newSymbol(sym.MINUS); }
"div"        { return disambiguateOperator(sym.DIV); }
"mod"        { return disambiguateOperator(sym.MOD); }
"::"         { return newSymbol(sym.DCOLON); }
","          { return newSymbol(sym.COMMA); }
"@"          { return newSymbol(sym.ATSIGN); }
".."         { return newSymbol(sym.DDOT); }
"|"          { return newSymbol(sym.VBAR); }
"$"          { return newSymbol(sym.DOLLAR); }
"//"         { return newSymbol(sym.DSLASH); }
"="          { return newSymbol(sym.EQ); }
"!="         { return newSymbol(sym.NE); }
"<"          { return newSymbol(sym.LT); }
">"          { return newSymbol(sym.GT); }
"<="        { return newSymbol(sym.LE); }
">="        { return newSymbol(sym.GE); }
"id"         { return disambiguateAxisOrFunction(sym.ID); }
"key"        { return disambiguateAxisOrFunction(sym.KEY); }
"text()"     { return newSymbol(sym.TEXT); }
"text"+[ \t\r\n\f]+"()" { return newSymbol(sym.TEXT); }
"node()"     { return newSymbol(sym.NODE); }
"node"+[ \t\r\n\f]+"()" { return newSymbol(sym.NODE); }
"comment()"  { return newSymbol(sym.COMMENT); }
"comment"+[ \t\r\n\f]+"()" { return newSymbol(sym.COMMENT); }
"processing-instruction" { return disambiguateAxisOrFunction(sym.PIPARAM); }
"processing-instruction()" { return newSymbol(sym.PI); }
"processing-instruction"+[ \t\r\n\f]+"()" { return newSymbol(sym.PI); }
"or"         { return disambiguateOperator(sym.OR); }
"and"        { return disambiguateOperator(sym.AND); }
"child"      { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute"  { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
"ancestor"   { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self" { return disambiguateAxisOrFunction(sym.ANCESTORORSELF); }
```

```

"descendant"      { return disambiguateAxisOrFunction(sym.DESCE
"descendant-or-self" { return disambiguateAxisOrFunction(sym.DESCE
"following"       { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling" { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
"namespace"      { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent"         { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding"      { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling" { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self"          { return disambiguateAxisOrFunction(sym.SELF); }
"["              { return newSymbol(sym.LBRACK); }
"]"              { return newSymbol(sym.RBRACK); }
"("              { return newSymbol(sym.LPAREN); }
")"              { return newSymbol(sym.RPAREN); }
"<PATTERN>"      { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>"   { initialize(); return new Symbol(sym.EXPRESSION); }
\"[^\"]*\"       { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }
\"[^\"]*\'       { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }
{Digit}+         { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+(\."{Digit}*)? { return newSymbol(sym.REAL, new Double(yytext())); }
"."{Digit}+     { return newSymbol(sym.REAL, new Double(yytext())); }
"."             { return newSymbol(sym.DOT); }
({NCName}":")?{NCName} { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?"*"    { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?@"*    { return newSymbol(sym.QNAME, yytext()); }
[ \t\r\n\f]      { /* ignore white space. */ }
.                 { throw new Exception(yytext()); }

```

Found in path(s):

```

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.lex

```

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```

```

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*/
/*
* $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $
*/
package org.apache.xalan.processor;

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

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

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

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

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

```

```

*/
public static final int VERSION = @version.VERSION@;

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

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

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

/**
 * Version String like <CODE>"<B>Xalan</B> <B>Language</B>
 * v.r[.dd] <B>D</B>nn]" </CODE>.
 * <P>Semantics of the version string are identical to the Xerces project.</P>
 */

```

```

public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" "
    +VERSION+"."+RELEASE+"."
    +(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT)
    : (""+MAINTENANCE));
}

```

Found in path(s):

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/XSLProcessorVersion.src

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- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html

* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/package.html
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html

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*/

// Proprietary, built in functions

/** current function string (Proprietary). */

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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/Keywords.java

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- */

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- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/XslAttribute.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/NodeLocator.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToStream.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/MessageHandler.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/KeyIndex.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/ElemDesc.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemForEach.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/ContextMatchStepPattern.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources_zh.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncBoolean.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/NodeSetType.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/CurrentCall.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TransformerHandlerImpl.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/When.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/SecuritySupport.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/WalkingIteratorSorted.java
- * /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/ElemWhen.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/Function.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/XSLTSource.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/AttributeIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/StringUtils.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/dom/LoadDocument.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ObjectFactory.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/NumeratorFormatter.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/serializer/SerializerMessages_hu.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/SecuritySupport.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessage_zh.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/Equals.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Pattern.java
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xml/dtm/ref/DTMNodeList.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/Axis.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/templates/XUnresolvedVariable.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
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* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/AbsoluteIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/dom/CurrentNodeListIterator.java
* /opt/cola/permits/1134796662_1613422294.09/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/IllegalCharException.java

1.103 rsync 3.0.9

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1.108 joda-time 2.2

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- * /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-jar/com/amazonaws/services/s3/model/Grant.java
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- * /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-jar/com/amazonaws/services/s3/model/AccessControlList.java
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- * /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-jar/com/amazonaws/services/s3/model/Bucket.java
- * /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-jar/com/amazonaws/services/s3/internal/RepeatableInputStream.java
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- * /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-jar/com/amazonaws/services/autoscaling/model/transform/DeleteTriggerRequestMarshaller.java
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* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/transform/Unmarshallers.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/CopyObjectRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/transform/Marshaller.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/SetBucketLoggingConfigurationRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/handlers/RequestHandler.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/CopyObjectResult.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/S3VersionSummary.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/http/RepeatableInputStreamRequestEntity.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/util/DateUtils.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/package-info.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/GroupGrantee.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/GetObjectRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-

jar/com/amazonaws/services/s3/model/ObjectMetadata.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/handlers/HandlerChainFactory.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/auth/SignatureVersion.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/util/XpathUtils.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/ObjectListing.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/internal/S3XmlResponseHandler.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/util/VersionInfoUtils.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/internal/XmlWriter.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/http/HttpClient.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/DeleteVersionRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/AmazonServiceException.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/MultiFactorAuthentication.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/util/HttpUtils.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/transform/Unmarshaller.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/SetBucketVersioningConfigurationRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/util/NamespaceRemovingInputStream.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/internal/CopyObjectResponseHandler.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/AmazonClientException.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/http/HttpResponse.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/DefaultRequest.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/auth/AWSCredentials.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/internal/AbstractS3ResponseHandler.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/Request.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-

```
jar/com/amazonaws/services/s3/model/VersionListing.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/internal/S3Signer.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/auth/QueryStringSigner.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/model/AmazonS3Exception.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/transform/ResponseMetadataUnmarshaller.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/services/s3/package-info.java
* /opt/cola/permits/1136959973_1613980638.37/0/aws-java-sdk-1-0-000-sources-1-
jar/com/amazonaws/http/HttpMethodReleaseInputStream.java
```

1.110 sudo 1.8.23

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Todd C. Miller <Todd.Miller@sudo.ws>

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

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

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David

Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
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Jackson, John R.
Jackson, Richard L., Jr.
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Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
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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
Mller, 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
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Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho

Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frdric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
Karvonen, Jorma
Kazik, Duan
Kelemen, Gbor
Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frdric
Margeviius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Putanec, Boidar
Qun, Trn Ngc
Rasmussen, Sebastian
Regueiro, Leandro
Sarar, zgr
Sendn, Abel
Sikrom, ka
Spingos, Dimitris
Taniguchi, Yasuaki
Tomat, Fbio
r, Balzs
Uranga, Mikel Olasagasti
Vorotnikov, Artem
Wang, Wylmer

1.111 gunit 3.2

1.111.1 Available under license :

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*/

Found in path(s):

- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/gUnitTestInput.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/gUnitBaseTest.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/junit.stg
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/GrammarInfo.java

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*/

group gUnitTestResult;

testResult(title, num_of_test, num_of_failure, failure, has_invalid, num_of_invalid, invalid) ::= <<

<title> with <num_of_test> tests

<num_of_failure> failures found:

<failure:{<it.header>

expected: <it.expectedResult>

actual: <it.actualResult>

<if(has_invalid)>

<num_of_invalid> invalid inputs found:

<invalid:{<it.header>

invalid input: <it.actual>

<endif>

Tests run: <num_of_test>, Failures: <num_of_failure>

>>

Found in path(s):

* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/gUnitTestResult.stg

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* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/gUnitExecutor.java

* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/JUnitCodeGen.java

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- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/TestCaseEditController.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseOutputReturn.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestSuite.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/RunnerController.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseOutputStdOut.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/AbstractInputEditor.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseOutputAST.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/RuleListController.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseInputMultiString.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/ITestCaseOutput.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/runner/ParserLoader.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseOutputResult.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/StatusBarController.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCaseInputString.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/Rule.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestSuiteFactory.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/WorkSpaceView.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/Tool.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/IController.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/runner/NotifiedTestExecuter.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/swingui/model/TestCase.java
- * /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-

jar/org/antlr/gunit/swingui/runner/gUnitAdapter.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-
jar/org/antlr/gunit/swingui/model/ITestCaseInput.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-
jar/org/antlr/gunit/swingui/WorkSpaceController.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-
jar/org/antlr/gunit/swingui/runner/TestSuiteAdapter.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-
jar/org/antlr/gunit/swingui/model/TestCaseInputFile.java
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* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/ITestCase.java
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```
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/AbstractTest.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/gUnitTestResult.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/BooleanTest.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/OutputTest.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/ReturnTest.java
* /opt/cola/permits/1136959957_1613980668.79/0/gunit-3-2-sources-1-jar/org/antlr/gunit/InvalidInputException.java
```

1.112 httpclient 4.3.2

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1.113 commons-lang3 3.1

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1.114 datatype 1.3.02

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1.115 httpcomponents-client 4.2.5

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1.117 cyrus-sasl 2.1.26-21.el7

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/* CMU libsasl

* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

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```

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/*
```

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```

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*
*/
```

```
#ifndef _KERBEROS_MIT_COPYRIGHT_H
#define _KERBEROS_MIT_COPYRIGHT_H
```

```
/* #pragma ident "@(#)mit-copyright.h 1.4 93/02/04 SMI" */
```

```
#endif /* _KERBEROS_MIT_COPYRIGHT_H */
```

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/* CMU libsasl

* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

/*

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1.118 gdb 7.6.1 100.el7

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Version 2, June 1991

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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

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

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

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

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

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```
#!/usr/bin/env python
```

```
# Copyright (C) 2011-2013 Free Software Foundation, Inc.
#
# This file is part of GDB.
#
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```

```
"""copyright.py
```

This script updates the list of years in the copyright notices in most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!

A useful command to review the output is:

```
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```
"""
```

```
import datetime
import os
import os.path
import subprocess
```

```
def get_update_list():
```

```
    """Return the list of files to update.
```

```
    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
```

```
    """
```

```
    result = []
```

```
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
```

```
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
```

```
            for dirname in dirs:
```

```
                reldirname = "%s/%s" % (root, dirname)
```

```
                if (dirname in EXCLUDE_ALL_LIST
```

```
                    or reldirname in EXCLUDE_LIST
```

```
                    or reldirname in NOT_FSF_LIST
```

```
                    or reldirname in BY_HAND):
```

```
                    # Prune this directory from our search list.
```

```
                    dirs.remove(dirname)
```

```
            for filename in files:
```

```
                relpath = "%s/%s" % (root, filename)
```

```
                if (filename in EXCLUDE_ALL_LIST
```

```
                    or relpath in EXCLUDE_LIST
```

```

        or relpath in NOT_FSF_LIST
        or relpath in BY_HAND):
    # Ignore this file.
    pass
else:
    result.append(relpath)
return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                          stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)

    for line in update_out:
        if line.endswith('\n'):
            line = line[:-1]
        if line.endswith(warning_string):
            filename = line[:-warning_len]
            if may_have_copyright_notice(filename):
                print line
        else:

```

```
# Unrecognized file format. !?!  
print "*** " + line
```

```
def may_have_copyright_notice(filename):  
    """Check that the given file does not seem to have a copyright notice.
```

The filename is relative to the root directory.

This function assumes that the current working directory is that root directory.

The algorithm is fairly crude, meaning that it might return some false positives. I do not think it will return any false negatives... We might improve this function to handle more complex cases later...

```
    """
```

```
# For now, it may have a copyright notice if we find the word  
# "Copyright" at the (reasonable) start of the given file, say  
# 50 lines...
```

```
MAX_LINES = 50
```

```
fd = open(filename)
```

```
lineno = 1
```

```
for line in fd:
```

```
    if 'Copyright' in line:
```

```
        return True
```

```
    lineno += 1
```

```
    if lineno > 50:
```

```
        return False
```

```
return False
```

```
def main ():
```

```
    """The main subprogram."""
```

```
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
```

```
        print "Error: This script must be called from the gdb directory."
```

```
    root_dir = os.path.dirname(os.getcwd())
```

```
    os.chdir(root_dir)
```

```
    update_list = get_update_list()
```

```
    update_files (update_list)
```

```
# Remind the user that some files need to be updated by HAND...
```

```
if BY_HAND:
```

```
    print
```

```
    print "\033[31mREMINDER: The following files must be updated by hand." \
```

```
        "\033[0m"
```

for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:

print " ", filename

#####

#

Some constants, placed at the end because they take up a lot of room.

The actual value of these constants is not significant to the understanding
of the script.

#

#####

Files which should not be modified, either because they are
generated, non-FSF, or otherwise special (e.g. license text,
or test cases which must be sensitive to line numbering).

#

Filenames are relative to the root directory.

EXCLUDE_LIST = (

'gdb/CONTRIBUTE',

'gdb/gnulib'

)

Files which should not be modified, either because they are
generated, non-FSF, or otherwise special (e.g. license text,
or test cases which must be sensitive to line numbering).

#

Matches any file or directory name anywhere. Use with caution.

This is mostly for files that can be found in multiple directories.

Eg: We want all files named COPYING to be left untouched.

EXCLUDE_ALL_LIST = (

"COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",

"fdl.texi", "gpl.texi", "aclocal.m4",

)

The list of files to update by hand.

BY_HAND = (

These files are sensitive to line numbering.

"gdb/testsuite/gdb.base/step-line.inp",

"gdb/testsuite/gdb.base/step-line.c",

)

Files containing multiple copyright headers. This script is only

fixing the first one it finds, so we need to finish the update

by hand.

MULTIPLE_COPYRIGHT_HEADERS = (

"gdb/doc/gdb.texinfo",

"gdb/doc/refcard.tex",

"gdb/gdbarch.sh",

)

```
# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
    "sim/erc32/exec.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantic.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
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    "sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
    "sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
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    "sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
    "sim/ppc/bits.c", "sim/ppc/idecode_fields.h", "sim/ppc/hw_memory.c",
    "sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
```

```
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
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"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
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"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)
```

```
if __name__ == "__main__":
```

```
    main()
```

```
        GNU LESSER GENERAL PUBLIC LICENSE
```

```
        Version 3, 29 June 2007
```

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@ignore

@c Set file name and title for man page.

@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
@c The GNU General Public License.
@center Version 3, 29 June 2007

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@item

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@item

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@item

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@item

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@item

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@item

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end smallexample

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

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

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

@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

@end smallexample

That's all there is to it!

```
BEGIN {
  FS="\ ";
  print "/* ==> Do not modify this file!! " \
  "-*- buffer-read-only: t -*- vi" \
  ":set ro:";
  print " It is created automatically by copying.awk.";
  print " Modify copying.awk instead. <== */";
  print ""
  print "#include \"defs.h\""
  print "#include \"command.h\""
  print "#include \"gdbcmd.h\""
  print ""
  print "static void show_copying_command (char *, int);"
  print ""
  print "static void show_warranty_command (char *, int);"
  print ""
  print "void _initialize_copying (void);"
  print ""
  print "static void";
  print "show_copying_command (char *ignore, int from_tty)";
  print "{";
}
NR == 1,/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ {
  if ($0 ~ //)
  {
    printf " printf_filtered (\"\\n\");\n";
  }
  else if ($0 !~ /^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ )
  {
    printf " printf_filtered (\"";
    for (i = 1; i < NF; i++)
    printf "%s\\", $i;
    printf "%s\\n\");\n", $NF;
  }
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/ {
  print "}";
  print "";
  print "static void";
  print "show_warranty_command (char *ignore, int from_tty)";
  print "{";
}
/^[ ]*15\. Disclaimer of Warranty\.[ ]*$/,/^[ ]*END OF TERMS AND CONDITIONS[ ]*$/ {
  if (! ($0 ~ /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
  {
    printf " printf_filtered (\"";
    for (i = 1; i < NF; i++)
```

```

printf "%s\\|", $i;
    printf "%s\\n\\");\n", $NF;
}
}
END {
    print "}";
    print "";
    print "void"
    print "_initialize_copying (void)";
    print "{";
    print "  add_cmd (\"copying\", no_set_class, show_copying_command,\";
    print "    _(\"Conditions for redistributing copies of GDB.\");";
    print "    &showlist);";
    print "  add_cmd (\"warranty\", no_set_class, show_warranty_command,\";
    print "    _(\"Various kinds of warranty you do not have.\");";
    print "    &showlist);";
    print "";
    print " /* For old-timers, allow \"info copying\", etc. */";
    print "  add_info (\"copying\", show_copying_command,\";
    print "    _(\"Conditions for redistributing copies of GDB.\");";
    print "  add_info (\"warranty\", show_warranty_command,\";
    print "    _(\"Various kinds of warranty you do not have.\");";
    print "}";
}

```

1.119 zlib 1.2.5

1.119.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.5, April 19th, 2010

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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://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

*/

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1.120 commons-codec 1.3

1.120.1 Available under license :

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Found in path(s):

- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/package.html
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/overview.html
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/binary/package.html
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/digest/package.html
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/language/package.html
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Found in path(s):

- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/digest/DigestUtils.java
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/net/URLConnection.java
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/Encoder.java
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-jar/org/apache/commons/codec/net/StringEncodings.java
- * /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-

jar/org/apache/commons/codec/net/QCodec.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/net/RFC1522Codec.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/StringEncoder.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/binary/Base64.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/net/BCodec.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/binary/BinaryCodec.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/language/RefinedSoundex.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/DecoderException.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/StringEncoderComparator.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/language/Soundex.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/BinaryEncoder.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/binary/Hex.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/net/QuotedPrintableCodec.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/language/Metaphone.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/Decoder.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/language/SoundexUtils.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/StringDecoder.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/BinaryDecoder.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/EncoderException.java
* /opt/cola/permits/1135953634_1613641193.46/0/commons-codec-1-3-sources-1-
jar/org/apache/commons/codec/language/DoubleMetaphone.java

1.121 util-linux 2.23.2 59.el7

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*/

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

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

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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create 2st primary partition

1bebf87248e05d6e4e62b749da65d023 bsd.img

Set 2nd partition type

2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create default BSD
2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

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

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

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

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

#	start	end	size	fstype	[fsize	bsize	cpg]
a:	4096	6144	2049	4.2BSD	0	0	0
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

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

Command (m for help):

BSD disklabel command (m for help):

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

BSD disklabel command (m for help):

1.122 yelp 3.28.1 1.el7

1.122.1 Available under license :

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1.128 opensaml-java 2.5.3

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1.132 e2fsprogs 1.42.9-10.el7

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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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*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes

-

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Theodore Ts'o
23-June-2007

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```
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```

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```


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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

#

This is a Makefile stub which handles the creation of BSD shared
libraries.

#

In order to use this stub, the following makefile variables must be defined.

#

BSDLIB_VERSION = 1.0

BSDLIB_IMAGE = libce

BSDLIB_MYDIR = et

BSDLIB_INSTALL_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD_LIB = \$(BSDLIB_IMAGE).so.\$(BSDLIB_VERSION)

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;'/'\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$\$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM) -rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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

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

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Gadi Oxman, August 1995

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

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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under certain conditions; type `show c' for details.
```

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

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

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1.133 make 3.82-23.e17

1.133.1 Available under license :

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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.]

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

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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.

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

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1.141 dosfs-tools 3.0.20 9.e17

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```

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```
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```

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1.144 gir1.2-gdkpixbuf-2.0 2.36.12 3.el7

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1.145 libxdmcp 1.1.2 6.e17

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1.146 jaxb-api 2.2.11

1.147 apache-ant 1.8.1

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Ty Coon, President of Vice

That's all there is to it!

1.151 llvm 6.0.1-2.el7

1.151.1 Available under license :

```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s  
;  
; Test that early if conversion produces LOCR with operands of the right  
; register classes.
```

```
define void @autogen_SD4739(i8*) {  
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register  
BB:  
%L34 = load i8, i8* %0  
%Cmp56 = icmp sgt i8 undef, %L34  
br label %CF246
```

```
CF246:                                ; preds = %CF246, %BB
%SI163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248
```

```
CF248:                                ; preds = %CF248, %CF246
store i8 %SI163, i8* %0
br label %CF248
```

```
}
```

```
; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py
```

```
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |
FileCheck %s
```

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

```
define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: add256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpadd  (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpadd 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
```

```
define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: add512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpadd  (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%d = load <16 x i32>, <16 x i32>* %a
%e = load <16 x i32>, <16 x i32>* %b
%f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
```



```

    %m = mul nsw <32 x i32> %a, %b
    %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32
12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
    %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32
13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
    %ret = add <16 x i32> %odd, %even
    store <16 x i32> %ret, <16 x i32>* %CPtr
    ret void
}

```

```

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-
width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT:  vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
    %x = load <64 x i8>, <64 x i8>* %xptr
    %y = load <64 x i8>, <64 x i8>* %yptr
    %cmp = icmp ult <64 x i8> %x, %y
    %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
    %res = sub <64 x i8> %max, %y
    store <64 x i8> %res, <64 x i8>* %zptr
    ret void
}

```

```

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-
width"="512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:  vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
    %x = load <64 x i8>, <64 x i8>* %xptr
    %y = load <64 x i8>, <64 x i8>* %yptr
    %cmp = icmp ult <64 x i8> %x, %y
    %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
    %res = sub <64 x i8> %max, %y
    store <64 x i8> %res, <64 x i8>* %zptr
    ret void
}

```



```

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-
width"="256" {
; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT:  movl %edx, %eax
; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:  xorl %ecx, %ecx
; CHECK-NEXT:  vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT:  vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT:  .p2align 4, 0x90
; CHECK-NEXT:  .LBB8_1: # %vector.body
; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:  vpmovsxbw (%rdi,%rcx), %ymm3
; CHECK-NEXT:  vpmovsxbw 16(%rdi,%rcx), %ymm4
; CHECK-NEXT:  vpmovsxbw (%rsi,%rcx), %ymm5
; CHECK-NEXT:  vpmaddwd %ymm3, %ymm5, %ymm3
; CHECK-NEXT:  vpadd %ymm1, %ymm3, %ymm1
; CHECK-NEXT:  vpmovsxbw 16(%rsi,%rcx), %ymm3
; CHECK-NEXT:  vpmaddwd %ymm4, %ymm3, %ymm3
; CHECK-NEXT:  vpadd %ymm2, %ymm3, %ymm2
; CHECK-NEXT:  addq $32, %rcx
; CHECK-NEXT:  cmpq %rcx, %rax
; CHECK-NEXT:  jne .LBB8_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpadd %ymm0, %ymm1, %ymm1
; CHECK-NEXT:  vpadd %ymm0, %ymm2, %ymm0
; CHECK-NEXT:  vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd { {. *#+ } } xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT:  vpshufd { {. *#+ } } xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>

```

```

%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

```

middle.block:

```

%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20,
i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32
12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

```

```

define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-
width"="512" {

```

```

; CHECK-LABEL: _Z9test_charPcS_i_512:
; CHECK:    # %bb.0: # %entry
; CHECK-NEXT:    movl %edx, %eax
; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:    xorl %ecx, %ecx
; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1

```

```

; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB9_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %zmm2
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %zmm3
; CHECK-NEXT: vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT: vpaddd %zmm1, %zmm2, %zmm1
; CHECK-NEXT: addq $32, %rcx
; CHECK-NEXT: cmpq %rcx, %rax
; CHECK-NEXT: jne .LBB9_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpslufd { {. *#+ } } xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpslufd { {. *#+ } } xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

```

entry:

```
%3 = zext i32 %2 to i64
```

```
br label %vector.body
```

vector.body:

```

%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

```

middle.block:

```

%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20,
i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32

```

```

undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32
12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

```

```
@a = global [1024 x i8] zeroinitializer, align 16
```

```
@b = global [1024 x i8] zeroinitializer, align 16
```

```

define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
; CHECK-LABEL: sad_16i8_256:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB10_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm2
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm2, %xmm2
; CHECK-NEXT: vpadd %ymm1, %ymm2, %ymm1
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB10_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT: vpshufd { {.#+} } xmm1 = xmm0[2,3,0,1]

```



```

ret i32 %12
}

define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB11_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
; CHECK-NEXT: vpadd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpsltd {{.*#+}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpsltd {{.*#+}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
entry:
br label %vector.body

vector.body:
%index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
%vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
%0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
%1 = bitcast i8* %0 to <16 x i8>*
%wide.load = load <16 x i8>, <16 x i8>* %1, align 4
%2 = zext <16 x i8> %wide.load to <16 x i32>
%3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
%4 = bitcast i8* %3 to <16 x i8>*
%wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
%5 = zext <16 x i8> %wide.load1 to <16 x i32>
%6 = sub nsw <16 x i32> %2, %5
%7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi

```

```

%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

```

middle.block:

```

%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12,
i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

```

```

define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f32_256:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  kshiftrw $8, %k0, %k1
; CHECK-NEXT:  vpmovm2d %k1, %ymm0
; CHECK-NEXT:  vcvt dq2ps %ymm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm1
; CHECK-NEXT:  vcvt dq2ps %ymm1, %ymm1
; CHECK-NEXT:  vmovaps %ymm1, (%rdi)
; CHECK-NEXT:  vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

```

```

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f32_512:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0

```

```

; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvt dq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

```

```

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

```

```

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvt dq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvt dq2pd %ymm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT: vmovaps %zmm1, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq

```



```

%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT: vcvt dq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vpsrld $31, %ymm1, %ymm1
; CHECK-NEXT: vcvt dq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f32_512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT: vcvt dq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f64_256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1

```

```

; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvtdq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vpsrld $31, %ymm2, %ymm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvtdq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f64_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT: vcvtdq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvtdq2pd %ymm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT: vmovaps %zmm1, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="256" {
; CHECK-LABEL: test_16f32toub_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vcvtps2dq (%rdi), %ymm1
; CHECK-NEXT: vpslld $31, %ymm1, %ymm1
; CHECK-NEXT: vpmovd2m %ymm1, %k0

```

```

; CHECK-NEXT:   vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:   vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:   vpmovd2m %ymm1, %k1
; CHECK-NEXT:   kunpckbw %k0, %k1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="512" {
; CHECK-LABEL: test_16f32toub_512:
; CHECK:      # %bb.0:
; CHECK-NEXT:   vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:   vpslld $31, %zmm1, %zmm1
; CHECK-NEXT:   vpmovd2m %zmm1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="256" {
; CHECK-LABEL: test_16f32tosb_256:
; CHECK:      # %bb.0:
; CHECK-NEXT:   vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:   vpmovd2m %ymm1, %k0
; CHECK-NEXT:   vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:   vpmovd2m %ymm1, %k1
; CHECK-NEXT:   kunpckbw %k0, %k1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:      # %bb.0:

```

```

; CHECK-NEXT:   vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:   vpmovd2m %zmm1, %k1
; CHECK-NEXT:   vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:   retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: mul256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13
],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm
0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[
31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm5 =
ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
; CHECK-NEXT:  vmovdqa {{.*#+}} %ymm5 =
[255,255,255,255,255,255,255,255,255,255,255,255,255,255,255]
; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:  vpunpcklbw {{.*#+}} %ymm2 =
ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[
5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[
19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} %ymm0 =
ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
; CHECK-NEXT:  vpand %ymm5, %ymm0, %ymm0
; CHECK-NEXT:  vpackuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm2 =
ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13
],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm
0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[
31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13
],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ym
m0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[
31]
; CHECK-NEXT:  vpmullw %ymm2, %ymm4, %ymm2

```

```

; CHECK-NEXT:  vpand %ymm5, %ymm2, %ymm2
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm3 =
ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[
5],ymm3[6],ymm0[6],ymm3[7],ymm0[7],ymm3[16],ymm0[16],ymm3[17],ymm0[17],ymm3[18],ymm0[18],ymm3[
19],ymm0[19],ymm3[20],ymm0[20],ymm3[21],ymm0[21],ymm3[22],ymm0[22],ymm3[23],ymm0[23]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm1 =
ymm1[0],ymm0[0],ymm1[1],ymm0[1],ymm1[2],ymm0[2],ymm1[3],ymm0[3],ymm1[4],ymm0[4],ymm1[5],ymm0[
5],ymm1[6],ymm0[6],ymm1[7],ymm0[7],ymm1[16],ymm0[16],ymm1[17],ymm0[17],ymm1[18],ymm0[18],ymm1[
19],ymm0[19],ymm1[20],ymm0[20],ymm1[21],ymm0[21],ymm1[22],ymm0[22],ymm1[23],ymm0[23]
; CHECK-NEXT:  vpmullw %ymm3, %ymm1, %ymm1
; CHECK-NEXT:  vpand %ymm5, %ymm1, %ymm1
; CHECK-NEXT:  vpackuswb %ymm2, %ymm1, %ymm1
; CHECK-NEXT:  vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT:  vmovdqa %ymm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

```

```

define void @mul512(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: mul512:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT:  vmovdqa64 (%rsi), %zmm1
; CHECK-NEXT:  vpunpckhbw {{.*#+}} zmm2 =
zmm1[8],zmm0[8],zmm1[9],zmm0[9],zmm1[10],zmm0[10],zmm1[11],zmm0[11],zmm1[12],zmm0[12],zmm1[13],
zmm0[13],zmm1[14],zmm0[14],zmm1[15],zmm0[15],zmm1[24],zmm0[24],zmm1[25],zmm0[25],zmm1[26],zmm0
[26],zmm1[27],zmm0[27],zmm1[28],zmm0[28],zmm1[29],zmm0[29],zmm1[30],zmm0[30],zmm1[31],zmm0[31],z
mm1[40],zmm0[40],zmm1[41],zmm0[41],zmm1[42],zmm0[42],zmm1[43],zmm0[43],zmm1[44],zmm0[44],zmm1[
45],zmm0[45],zmm1[46],zmm0[46],zmm1[47],zmm0[47],zmm1[56],zmm0[56],zmm1[57],zmm0[57],zmm1[58],z
mm0[58],zmm1[59],zmm0[59],zmm1[60],zmm0[60],zmm1[61],zmm0[61],zmm1[62],zmm0[62],zmm1[63],zmm0[
63]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} zmm3 =
zmm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31,40,40,41,41,4
2,42,43,43,44,44,45,45,46,46,47,47,56,56,57,57,58,58,59,59,60,60,61,61,62,62,63,63]
; CHECK-NEXT:  vpmullw %zmm2, %zmm3, %zmm2
; CHECK-NEXT:  vmovdqa64 {{.*#+}} zmm3 =
[255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,255,2
55,255,255,255,255]
; CHECK-NEXT:  vpandq %zmm3, %zmm2, %zmm2
; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm1 =
zmm1[0],zmm0[0],zmm1[1],zmm0[1],zmm1[2],zmm0[2],zmm1[3],zmm0[3],zmm1[4],zmm0[4],zmm1[5],zmm0[5]
,zmm1[6],zmm0[6],zmm1[7],zmm0[7],zmm1[16],zmm0[16],zmm1[17],zmm0[17],zmm1[18],zmm0[18],zmm1[19]
,zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm

```

```

0[32],zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1
[51],zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpandq %zmm3, %zmm0, %zmm0
; CHECK-NEXT:  vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

```

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Program	Directory
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<none yet>

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -

mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-

prefixes=CHECK,VEC256,SKX256

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -

mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

```
define void @zext256() "min-legal-vector-width"="256" {
```

```
; VEC256-LABEL: 'zext256'
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
```

```
;
```

```
; VEC512-LABEL: 'zext256'
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
```

```
;
```

```
%A = zext <8 x i16> undef to <8 x i64>
```

```
%B = zext <8 x i32> undef to <8 x i64>
```

```
%C = zext <16 x i8> undef to <16 x i32>
```

```
%D = zext <16 x i16> undef to <16 x i32>
```

```
%E = zext <32 x i8> undef to <32 x i16>
```

```
ret void
```

```
}
```

```
define void @zext512() "min-legal-vector-width"="512" {
```

```
; AVX-LABEL: 'zext512'
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
```

```
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
```



```

;
; SKX256-LABEL: 'zext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'zext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x
i16>

```

```

; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'sext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x

```

```

i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}
$OpenBSD: COPYRIGHT,v 1.3 2003/06/02 20:18:36 millert Exp $

```

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```

-----
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*/
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

```

```

while.body.lr.ph:                                ; preds = %entry
br label %while.body

while.body:                                      ; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
  i32 1, label %sw.bb.i
  i32 2, label %sw.bb3.i
]

sw.bb.i:                                         ; preds = %while.body
unreachable

sw.bb3.i:                                        ; preds = %while.body
unreachable

exit:                                            ; preds = %while.body
switch i32 undef, label %exit.2 [
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
]

sw.bb.i17:                                       ; preds = %exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:                                      ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2:                                          ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end:                                       ; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0

```

```

; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
ret void
}

```

```
define internal void @innerNoAttribute() {  
  ret void  
}
```

; We should not add an attribute during inlining. No attribute means unknown.

; Inlining doesn't change the fact that we don't know anything about this

; function.

```
define void @outerNoAttribute() {  
  call void @innerLarge()  
  ret void  
}
```

```
define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {  
  call void @innerLarge()  
  ret void  
}
```

```
define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {  
  call void @innerSmall()  
  ret void  
}
```

; We should remove the attribute after inlining since the callee's

; vector width requirements are unknown.

```
define void @outerAttribute() "min-legal-vector-width"="128" {  
  call void @innerNoAttribute()  
  ret void  
}
```

```
; CHECK: define void @outerNoAttribute() {  
; CHECK: define void @outerConflictingAttributeSmall() #0  
; CHECK: define void @outerConflictingAttributeLarge() #0  
; CHECK: define void @outerAttribute() {  
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }
```

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```
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target datalayout = "e-m:e-p:32:32-i64:64-v128:64:128-a:0:32-n32-S64"
target triple = "thumbv6m-none--musleabi"
```

```
; Check that for i8 type, the maximum legal offset is 31.
; Also check that a constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]?]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]?]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 7
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C4]], 31
; CHECK-NEXT: %11 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %5, i8* %12
; CHECK-NEXT: %[[M5:const_mat[0-9]?]] = add i32 %[[C3]], 7
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
```



```

; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %[[M6:const_mat[0-9]?]] = add i32 %[[C1]], 80
; CHECK-NEXT: %14 = inttoptr i32 %[[M6]] to i8*
; CHECK-NEXT: store i8* %14, i8** @goo

```

```
@goo = global i8* undef
```

```

define void @foo_i8() {
entry:
%0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
%1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
%2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
%3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
%4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
store i8 %4, i8* inttoptr(i32 805873688 to i8*)
store i8 %3, i8* inttoptr(i32 805873719 to i8*)
store i8 %2, i8* inttoptr(i32 805873720 to i8*)
store i8 %1, i8* inttoptr(i32 805873727 to i8*)
store i8* inttoptr(i32 805874800 to i8*), i8** @goo
ret void
}

```

```

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 32
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C2]], 62
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttoptr i32 %[[C1]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C1]], 22
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i16*
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

```

```

define void @foo_i16() {
entry:
%0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
%1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
%2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2

```

```

%3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
%4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
%5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
ret void
}

```

```

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874816 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i32*
; CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
; CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 124
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
; CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 8
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i32*
; CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C1]], 12
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i32*
; CHECK-NEXT: %11 = load volatile i32, i32* %10, align 4

```

```

define void @foo_i32() {
entry:
%0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

```

```

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

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-----	-----
Google Test	llvm/utils/unittest/googletest
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pyyaml tests	llvm/test/YAMLParse/{*.data, LICENSE.TXT }
ARM contributions	llvm/lib/Target/ARM/LICENSE.TXT
md5 contributions	llvm/lib/Support/MD5.cpp llvm/include/llvm/Support/MD5.h
LLVM System Interface Library	

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```
Copyright (C) 2004 eXtensible Systems, Inc.  
; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s  
;  
; D31946  
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.  
; Additionally ensure that the output code actually put fp128 values in SSE registers.
```

```
declare fp128 @llvm.fabs.f128(fp128)  
declare fp128 @llvm.copysign.f128(fp128, fp128)  
  
define fp128 @TestSelect(fp128 %a, fp128 %b) {  
  %cmp = fcmp ogt fp128 %a, %b  
  %sub = fsub fp128 %a, %b  
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000  
  ret fp128 %res  
; CHECK-LABEL: TestSelect:  
; CHECK    movaps 16(%rsp), %xmm1
```

```

; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

```

```

define fp128 @TestFabs(fp128 %a) {
%res = call fp128 @llvm.fabs.f128(fp128 %a)
ret fp128 %res
; CHECK-LABEL: TestFabs:
; CHECK andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

```

```

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
%res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

```

```

define fp128 @TestFneg(fp128 %a) {
%mul = fmul fp128 %a, %a
%res = fsub fp128 0xL00000000000000008000000000000000, %mul
ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}

```

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1.152 mesa 18.0.5 3.e17

1.152.1 Available under license :

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/* Legal characters in GLSL are:

*

* Identifier characters:

*

* Letters a-z

* Letters A-Z

* Underscore

* Numbers 0-9

*

* Punctuation:

*

* Period, plus, dash, slash, asterisk, percent, angled brackets,

* square brackets, parentheses, braces, caret, vertical bar,

* ampersand, tilde, equals, exclamation point, colon, semicolon,

```

* comma, and question mark
*
* Special:
*
* Number sign (as used in preprocessor)
*
* Backslash just before newline as line continuation
*
* White space:
*
* Space, horizontal tab, vertical tab, form feed, carriage-return,
* and line-feed.
*
* [GLSL Language Specfication 4.30.6, section 3.1]
*
* In this file, we test each of these in turn as follows:
*
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
* Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
* 2 newline characters each replaced with a newline
*
*/
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ
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# IN THE SOFTWARE.  
#  
# Authors:  
# Ian Romanick <idr@us.ibm.com>  
  
bsd_license_template = """"%s  
All Rights Reserved.
```

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:

> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
>
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:

"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

- * 2. Redistributions in binary form must reproduce the following statement:
- *
* "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
* Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*
* Only for use in the Mesa project, this point 2 is filled by naming the
* technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==

Fedora Project

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>
```

```
<iframe src="contents.html"></iframe>
```

```
<div class="content">
```

```
<h1>Disclaimer</h1>
```

```
<p>
```

Mesa is a 3-D graphics library with an API which is very similar to that of [OpenGL](https://www.opengl.org/).*

To the extent that Mesa utilizes the OpenGL command syntax or state machine, it is being used with authorization from [Silicon Graphics,](https://www.sgi.com/)

Inc. (SGI). However, the author does not possess an OpenGL license

from SGI, and makes no claim that Mesa is in any way a compatible replacement for OpenGL or associated with SGI. Those who want a

licensed implementation of OpenGL should contact a licensed

vendor.

```
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Please do not refer to the library as *MesaGL* (for legal reasons). It's just *Mesa* or *The Mesa 3-D graphics*

library.

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* OpenGL is a trademark of [Silicon Graphics Incorporated](https://www.sgi.com/).

```
>Silicon Graphics Incorporated</a>.
```

```
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```

```
<h1>License / Copyright Information</h1>
```

```
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```

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For example, the GLX client code uses the SGI Free Software License B, and some of the Mesa device drivers are copyrighted by their authors.

See below for a list of Mesa's main components and the license for each.

```
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The core Mesa library is licensed according to the terms of the MIT license.

This allows integration with the XFree86, Xorg and DRI projects.

```
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The default Mesa license is as follows:

```
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```

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<p>

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</p>

<h1>Mesa Component Licenses</h1>

<pre>

| Component | Location | License |
|----------------|--|----------------|
| Main Mesa code | src/ mesa/ | MIT |
| Device drivers | src/ mesa/ drivers/ * | MIT, generally |
| Gallium code | src/ gallium/ | MIT |
| Ext headers | include/ GL/ glxext.h
include/ GL/ glxext.h | Khronos |

GLX client code src/glx/ SGI Free Software License B

```
C11 thread include/c11/threads*.h Boost (permissive)
emulation
</pre>
```

```
<p>
In general, consult the source files for license terms.
</p>
```

```
</div>
</body>
</html>
```

1.153 zlib 1.0.4

1.153.1 Available under license :

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

```
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// of this software and associated documentation files (the 'Software'), to
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// 1. The origin of this software must not be misrepresented; you must not
// 2. Altered source versions must be plainly marked as such, and must not be
// 3. This notice may not be removed or altered from any source distribution.
// one allocated and free to use, and we maintain at most two
```

Found in path(s):

```
* /opt/cola/permits/1126069930_1611559098.42/0/kpanuragh-zlib-1-0-4-0-g2d7b94e-tar-gz/kpanuragh-zlib-
2d7b94e/index.js
```

1.154 biosdevname 0.7.3 1.e17

1.154.1 Available under license :

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Version 2, June 1991

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1.158 jackson 1.9.0

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*/
```

Found in path(s):

```
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/JsonParser.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/Base64Variant.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/JsonFactory.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/JsonStreamContext.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/Base64Variants.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/JsonGenerator.java  
* /opt/cola/permits/1078139635_1602070746.96/0/jackson-core-asl-1-9-0-sources-2-  
jar/org/codehaus/jackson/util/ByteArrayBuilder.java
```

1.159 tar 1.2.11-29.el7

1.159.1 Available under license :

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1.160 gobject-introspection 1.56.1-1.e17

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1.161 xalan 2.7.0

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1.162 mdadm 3.3.2 7.el7

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1.164 tcpdump 4.9.2

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1.165 httpcomponents-core 4.4.10

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1.166 ntp 4.2.6p5

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4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
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 iosignal code into separate modules.
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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
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16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
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 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
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 36. [39]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
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 46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
 47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
 48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
 49. [53]Michael Shields <shields@tembel.org> USNO clock driver
 50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
 51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
 52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
 53. [57]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support

54. [58]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
 55. [59]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
 56. [60]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
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jar/org/springframework/core/task/TaskRejectedException.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/xml/SimpleTransformErrorListener.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/comparator/CompoundComparator.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/Log4jConfigurer.java
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jar/org/springframework/core/ErrorCoded.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/ControlFlow.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/PropertiesPersister.java
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- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/type/AnnotationMetadata.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToPropertiesConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/task/support/TaskExecutorAdapter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/ClassRelativeResourceLoader.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/NestedIOException.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToCharacterConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToLocaleConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/task/support/ConcurrentExecutorAdapter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/enums/AbstractLabeledEnum.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/enums/LabeledEnum.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/converter/ConverterRegistry.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/task/SyncTaskExecutor.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/type/filter/AnnotationTypeFilter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/enums/StaticLabeledEnumResolver.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/type/ClassMetadata.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/enums/LetterCodedLabeledEnum.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-

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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/type/classreading/ClassMetadataReadingVisitor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
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jar/org/springframework/core/convert/support/ArrayToStringConverter.java
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/AbstractResource.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/ClassUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/AntPathStringMatcher.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/annotation/AnnotationAttributes.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-

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jar/org/springframework/core/type/StandardMethodMetadata.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/io/VfsResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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jar/org/springframework/core/env/ConfigurableEnvironment.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
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jar/org/springframework/core/convert/support/MapToMapConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/OrderComparator.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/Constants.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/io/FileSystemResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/env/CompositePropertySource.java
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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/comparator/InvertibleComparator.java
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Found in path(s):

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/SerializationUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ConversionException.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/support/SerializationFailedException.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/StaxStreamContentHandler.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/EnvironmentCapable.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/support/SerializingConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/DefaultDeserializer.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/Serializer.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ConversionServiceFactory.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/AbstractStaxContentHandler.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/WeakReferenceMonitor.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ConverterNotFoundException.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/support/DeserializingConverter.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/StaxEventXMLReader.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/StopWatch.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/TypeUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/Deserializer.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ConversionFailedException.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/SimpleAliasRegistry.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/PathMatcher.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/LinkedMultiValueMap.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/SimpleNamespaceContext.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/support/ResourcePatternUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/SystemPropertyUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/StaxStreamXMLReader.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToArrayConverter.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/support/VfsPatternUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/serializer/DefaultSerializer.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToCollectionConverter.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/FileSystemUtils.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/AbstractStaxXMLReader.java

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* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/xml/StaxUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/xml/XMLStreamWriter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
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```
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/ParameterNameDiscoverer.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/io/InputStreamResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/AttributeAccessor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/SpringVersion.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/util/xml/SimpleSaxErrorHandler.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/annotation/AnnotationAwareOrderComparator.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/io/support/LocalizedResourceHelper.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-
jar/org/springframework/core/ConstantException.java
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- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/converter/GenericConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/ResourceEditor.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/JOptCommandLinePropertySource.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/Environment.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/PropertySources.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/ConfigurableObjectInputStream.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/StandardEnvironment.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/StringUtils.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/AbstractPropertyResolver.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/GenericCollectionTypeResolver.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/PropertiesPropertySource.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/GenericTypeResolver.java
- * /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/AttributeAccessorSupport.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/ReadOnlySystemAttributesMap.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/SimpleCommandLineArgsParser.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/PropertyResolver.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/xml/XMLEventStreamReader.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/AbstractDescriptor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/CollectionToStringConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/StringToBooleanConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ConfigurableConversionService.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/CommandLinePropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ConversionUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/GenericConversionService.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/FieldDescriptor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/MapPropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ClassDescriptor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ParameterDescriptor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/ReflectionUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/ConversionService.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/ObjectUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/util/CollectionUtils.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/PropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/DefaultConversionService.java

* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/ExceptionDepthComparator.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/ByteArrayResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/support/ResourceArrayPropertyEditor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/SimpleCommandLinePropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/MissingRequiredPropertiesException.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/convert/BeanPropertyDescriptor.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/WritableResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/EnumerablePropertySource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/env/CommandLineArgs.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/io/AbstractFileResolvingResource.java
* /opt/cola/permits/1136046023_1613664919.42/0/spring-core-3-1-4-release-sources-2-jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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(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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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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On all platforms, Nmap is normally linked with:

- o libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
<http://www.tcpdump.org/>
- o libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
<http://code.google.com/p/libdnet/>
- o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library.
Distributed with Nmap in the libpcre subdirectory.

<http://www.pcre.org/>

- o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.

<http://www.lua.org/>

- o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.

<http://www.openssl.org/>

- o LIBLINEAR. Used for IPv6 OS classification.

<http://www.csie.ntu.edu.tw/~cjlin/liblinear/>

- o libsvn. The Subversion library, used by the updater program nmap-update. <http://subversion.apache.org/>

- o APR (Apache Portable Runtime). Used by libsvn. <http://apr.apache.org/>

On Windows only, Nmap uses:

- o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.

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Zenmap and Ndiff require:

- o Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.

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- o GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.

<http://www.gtk.org/>

- o Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.

<http://www.cairographics.org/>

- o libgailutil: Accessibility support for GTK+.

- o libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.

<http://www.libpng.org/> <http://www.ijg.org/> <http://www.libtiff.org/>

- o zlib and bzip2: compression libraries.

<http://www.zlib.org/> <http://www.bzip.org/>

- o Expat: XML parser library.

<http://expat.sourceforge.net/>

- o fontconfig: font configuration library.

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Written by: Philip Hazel
Email local part: ph10
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This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

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

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

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

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

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

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

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

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

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

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

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

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

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

addressed as "you".

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices

stating that you changed the files and the date of any change.

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

these notices.

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

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

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

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

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

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

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally

distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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ordinary General Public License).

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

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

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

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

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

Preamble

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

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

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

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

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

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

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

that program using a modified version of the Library.

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

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warranty; and distribute a copy of this License along with the Library.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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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.
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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.

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining

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

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

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@cindex LGPL, Lesser General Public License
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@appendixsubsec Preamble

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

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

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

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

the library.

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

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

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

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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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end iftex
@ifinfo
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@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
@end ifinfo

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@enumerate a

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@end enumerate

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

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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.

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

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When a ``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 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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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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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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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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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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@heading END OF TERMS AND CONDITIONS

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@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that

everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

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

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!
(This file is under construction.) -*- text -*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me,

nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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

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1998-05-11

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```

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```
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```

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```
## -*-makefile-*-
```

```
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
```

```
## Copyright (c) 1999-2009, International Business Machines Corporation and
```

```
## others. All Rights Reserved.
```

```
## Commands to generate dependency files
```

```
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
```

```
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

```
## Flags for position independent code
```

```
SHAREDLIBCFLAGS = -fPIC
```

```
SHAREDLIBCXXFLAGS = -fPIC
```

```
SHAREDLIBCPPFLAGS = -DPIC
```

```
## Additional flags when building libraries and with threads
```

```
THREADSCPPFLAGS = -D_REENTRANT
```

```
LIBCPPFLAGS =
```

```
## Compiler switch to embed a runtime search path
```

```
LD_RPATH=
```

```
LD_RPATH_PRE= -Wl,-rpath,
```

```
## Compiler switch to embed a library name
```

```
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

```
## Shared library options
```

```
LD_SOOPTIONS= -Wl,-Bsymbolic
```

```
## Shared object suffix
```

```
SO = so
```

```
## Non-shared intermediate object suffix
```

```
STATIC_O = ao
```

```
## Compilation rules
```

```
%. $(STATIC_O): $(srcdir)/%.c
```

```
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
```

```
%.o: $(srcdir)/%.c
```

```
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
```

```
%. $(STATIC_O): $(srcdir)/%.cpp
```

```
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
```

```
%.o: $(srcdir)/%.cpp
```

```
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

```

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

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

## Versioned libraries rules

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

## End FreeBSD-specific setup

```

1.178 openssl 1.0.2u

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1.181 curl 7.54.1

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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
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- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
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- javaee_web_services_1_3.xsd
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- 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

may be obtained from:

<http://www.oracle.com/webfolder/technetwork/jsc/xml/ns/javaee/index.html>

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
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1.184 network-manager 1.18.8-1.el7

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```
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```

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<signature of Ty Coon>, 1 April 1989
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1.185 libwebp 0.3.0 7.e17

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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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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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- 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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```
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QLogic Linux iSCSI Driver

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

*

* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

* <http://www.hypermall.com/>

* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

* interrupts us (except possibly for removal/insertion of the cable?)

* 10/4/97 - began heavy inline documentation of the code. Corrected typos

* and spelling mistakes.

* 10/5/97 - added code to handle PHY interrupts, disable PHY on

* loss of link, and correctly re-enable PHY when link is

* re-established. (put back CFG_PHYIE)

*

* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

*

* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

*

* Linux driver for the IDT77201 NICStAR PCI ATM controller.

* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

* see init_nicstar() for PHY initialization to change this. This driver

* expects the Linux ATM stack to support scatter-gather lists

* (skb->atm.iovnt != 0) for Rx skb's passed to vcc->push.


```

*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
*
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

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for his contributions to the dvb-net driver

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

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/object/EisOperation.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/SavepointManager.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/CciOperationNotSupportedException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/CannotCreateRecordException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/object/SimpleRecordOperation.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/RecordTypeNotSupportedException.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/connection/SingleConnectionFactory.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/support/ResourceHolderSupport.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/PlatformTransactionManager.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/TransientDataAccessResourceException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/NonTransientDataAccessException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/support/ResourceHolder.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-

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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
jar/org/springframework/jca/cci/connection/TransactionAwareConnectionFactoryProxy.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
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jar/org/springframework/dao/RecoverableDataAccessException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
jar/org/springframework/dao/TransientDataAccessException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
jar/org/springframework/dao/support/ChainedPersistenceExceptionTranslator.java
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- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/TypeMismatchDataAccessException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/UnexpectedRollbackException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/UncategorizedDataAccessException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/InvalidTimeoutException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/InvalidDataAccessApiUsageException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/InvalidIsolationLevelException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/TransactionUsageException.java
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- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/EmptyResultDataAccessException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/NoTransactionException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/TransactionException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/CleanupFailureDataAccessException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/InvalidDataAccessResourceUsageException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/OptimisticLockingFailureException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/DataAccessResourceFailureException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/DataAccessException.java
- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/CannotAcquireLockException.java
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- * /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/support/PersistenceExceptionTranslator.java

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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/IllegalTransactionStateException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/NestedTransactionNotSupportedException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/IncorrectUpdateSemanticsDataAccessException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/HeuristicCompletionException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/PessimisticLockingFailureException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/CannotSerializeTransactionException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/support/DaoSupport.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/IncorrectResultSizeDataAccessException.java
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jar/org/springframework/dao/DuplicateKeyException.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/annotation/Transactional.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/context/BootstrapContextAwareProcessor.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/work/DelegatingWork.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/endpoint/GenericMessageEndpointFactory.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/support/ResourceTransactionManager.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/TransactionSystemException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/connection/CciLocalTransactionManager.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/context/BootstrapContextAware.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/dao/annotation/PersistenceExceptionTranslationAdvisor.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/CannotGetCciConnectionException.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/core/RecordCreator.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/object/MappingRecordOperation.java
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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/core/support/CommAreaRecord.java
* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/jca/cci/object/MappingCommAreaOperation.java

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* /opt/cola/permits/1111238447_1607876017.04/0/spring-tx-3-0-7-release-sources-1-jar/org/springframework/transaction/support/ResourceHolderSynchronization.java
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Files: install-sh

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This script is compatible with the BSD `install` script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's `install` programs.

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1.193 systemd 219 62.el7

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1.196 opus 1.0.2 6.el7

1.197 xz 5.2.2 1.el7

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1.199 bash 4.2.46 19.e17

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From spcecdt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcecdt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP

(8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcedt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcedt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

```
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
```

```
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTTP
(8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST
```

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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@c End:
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Flags: 10
Return-Path: mikel@ora.com
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From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).

1.200 libxkbcommon 0.7.1-3.el7

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2.7.14

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1.202 javax-ws-rs-api 2.0-m10

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1.203 libestr 0.1.9 2.e17

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1.206 libxv 1.0.11 1.e17

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1.210 pkg-config 0.27.1 4.el7

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1.214 cxf-rt-rs-security-oauth 2.7.14

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contribution to the Google C++ Testing Framework project. People
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here. Please keep the list sorted by first names.

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1.220 istack-commons-tools 2.13

1.221 tiles-request-freemarker 1.0.7

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

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

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

Otherwise, if the work is a derivative of the Library, you may

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

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

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

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

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

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

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

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

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

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

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

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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

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If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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

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

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.225 curl 7.29.0

1.225.1 Available under license :

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License Mixing with apps, libcurl and Third Party Libraries

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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/source/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/>

(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/>

(May be used for SSL/TLS support) Is covered by the MPL[4] license, the GPL[1] license and the LGPL[3] license. You may choose to license the code under MPL terms, GPL terms, or LGPL terms. These licenses grant you different permissions and impose different obligations. You should select the license that best meets your needs.

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.

[1] = GPL - GNU General Public License: <http://www.gnu.org/licenses/gpl.html>

[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/>

1.226 gir1.2-gdkpixbuf-2.0 2.36.5 1.el7

1.226.1 Available under license :

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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 specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

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

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights.

These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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

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

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

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

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

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

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

concluded that weaker conditions might promote sharing better.

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

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

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

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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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1.229 bouncy-castle 1.54

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```
/**
 * Poly1305 message authentication code, designed by D. J. Bernstein.
```

* <p>
* Poly1305 computes a 128-bit (16 bytes) authenticator, using a 128 bit nonce and a 256 bit key
* consisting of a 128 bit key applied to an underlying cipher, and a 128 bit key (with 106
* effective key bits) used in the authenticator.
* <p>
* The polynomial calculation in this implementation is adapted from the public domain <a
* href="https://github.com/floodyberry/poly1305-donna">poly1305-donna-unrolled C implementation
* by Andrew M (@floodyberry).
* @see Poly1305KeyGenerator
*/

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public DomainParameters(BigInteger p, BigInteger g, BigInteger q, BigInteger j,

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1.230 berkeley-db 5.3.21

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1.236 dtd-parser 1.2-SNAPSHOT

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1.237 expression 3.0.7.RELEASE

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* // Chew on the expression text - relying on the rules
* case ""

* case \"

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() [] {}

Found in path(s):

* // brackets must be in pairs

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* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/AstUtils.java

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" +

Found in path(s):

* "" for expression starting at character " + prefixIndex + "

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case '[': case '(':

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* case '{'

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```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
```

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"foo\${expr0}bar\${expr1}". The static

Found in path(s):

```
** number of expressions all contained in "${...}" markers. For instance
```

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```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/SpelEvaluationException.java
```

```
*/opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/SpelParseException.java
```

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ParserContext.java

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case ']:case '):

Found in path(s):

* case '}'

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* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Indexer.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/ConstructorReference.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/InlineList.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/common/TemplateParserContext.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/FormatHelper.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/TypeConverter.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-

jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/EvaluationContext.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/ast/BeanReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/ConstructorResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/ast/IntLiteral.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/ast/Selection.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/TypedValue.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/BeanResolver.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/ExpressionInvocationTargetException.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/Expression.java
* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-
jar/org/springframework/expression/MethodResolver.java
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- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/InternalParseException.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/PropertyAccessor.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorPower.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpMultiply.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Identifier.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpDivide.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Operator.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ExpressionException.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpMinus.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpression.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpGE.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorMatches.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/common/CompositeStringExpression.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Assign.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpAnd.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorBetween.java
- * /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ParseException.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/Token.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpOr.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/BooleanTypedValue.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/Tokenizer.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpModulus.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Elvis.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Literal.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/AccessException.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/StringLiteral.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ExpressionState.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/TypeCode.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ExpressionParser.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/SpelNode.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpNE.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/Ternary.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/NullLiteral.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/EvaluationException.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/SpelMessage.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/TokenKind.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpEQ.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/CompoundExpression.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpLT.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpPlus.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/OperatorOverloader.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/ReflectionHelper.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/TypeLocator.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorNot.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/SpelParserConfiguration.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeLocator.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/Operation.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/TypeComparator.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/MethodFilter.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/TypeReference.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/LongLiteral.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/MethodReference.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/VariableReference.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/MethodExecutor.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpGT.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/BooleanLiteral.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OpLE.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/RealLiteral.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/ConstructorExecutor.java

* /opt/ws_local/PERMITS_SQL/1068640224_1597132714.93/0/spring-expression-3-0-7-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorInstanceof.java

1.238 stlport 5.2.1

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 */

#ifndef _STLP_CLIMITS
# define _STLP_CLIMITS

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x108
# include <stl/_prolog.h>
#endif

#if defined (__SUNPRO_CC) && ((__SUNPRO_CC == 0x500) && (__SUNPRO_CC_COMPAT > 4))
# include </usr/include/limits.h>
#elif defined (_STLP_USE_NEW_C_HEADERS)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <climits>
# else
#   include _STLP_NATIVE_CPP_C_HEADER(climits)
# endif
#else
# if defined (__BORLANDC__)
#   if defined (_STLP_HAS_INCLUDE_NEXT)
#     include_next <limits.h>
#   else
#     include _STLP_NATIVE_C_HEADER(limits.h)
#   endif
# else
#   include <limits.h>
# endif
#endif
```

```

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x108 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CLIMITS */

// Local Variables:
// mode:C++
// End:

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*/

#ifndef _STLP_VECTOR

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x77
# include <stl/_prolog.h>
# define _STLP_VECTOR
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x77)

```

```

# ifndef _STLP_INTERNAL_ALGOBASE_H
# include <stl/_algbase.h>
# endif

# ifndef _STLP_INTERNAL_VECTOR_H
# include <stl/_vector.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x77) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <vector>
# else
# include _STLP_NATIVE_HEADER(vector)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x77)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_VECTOR */

// Local Variables:
// mode:C++
// End:

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/vector
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*/

#endif _STLP_CWCHAR

```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x120
# define _STLP_CWCHAR
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
# ifndef _STLP_INTERNAL_CWCHAR
# include <stl/_cwchar.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x120) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cwchar>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cwchar)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x120)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CWCHAR */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cwchar

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_debug.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_iterator.h
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*
*/

```
#ifndef _STLP_NUMERIC
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID  
# define _STLP_OUTERMOST_HEADER_ID 0x49  
# include <stl/_prolog.h>  
# define _STLP_NUMERIC  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x49)  
# ifndef _STLP_INTERNAL_NUMERIC_H  
# include <stl/_numeric.h>  
# endif
```



```
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x49) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <numeric>
# else
# include _STLP_NATIVE_HEADER(numeric)
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x49)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
```

```
#endif /* _STLP_NUMERIC */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/numeric
```

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```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/bitset.cpp
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bitset.c
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bitset.h
```

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 *
 */
```

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```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale_win32/c_locale_win32.c
```

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 */
```

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```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stdexcept.h
```

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_rope.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/char_traits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stdexcept_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/hash_map
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/hash_set
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_fstream.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/functional
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stdexcept_base.c

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_string.h

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*

*/

```

#ifndef _STLP_STREAMBUF

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1066
# include <stl/_prolog.h>
# define _STLP_STREAMBUF
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066) && \
    !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_STREAMBUF
#   include <stl/_streambuf.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1066) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <streambuf>
# else
#   include _STLP_NATIVE_HEADER(streambuf)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1066)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_STREAMBUF */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/streambuf
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test_construct.h

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*/

#ifndef _STLP_STRING

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x68

include <stl/_prolog.h>

define _STLP_STRING

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x68)

ifndef _STLP_INTERNAL_STRING_H

include <stl/_string.h>

endif

ifndef _STLP_STRING_HASH_H

include <stl/_string_hash.h>

endif

if !defined (_STLP_USE_NO_IOSTREAMS) && !defined (_STLP_STRING_IO_H)

```
# include <stl/_string_io.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x68) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <string>
# else
# include _STLP_NATIVE_HEADER(string)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x68)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_STRING */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/string

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_heap.h
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/*

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*
* Derived from original <misc/type_traits.h> of 'complement' project
* [<http://complement.sourceforge.net>]
* to make it close to JTC1/SC22/WG21 C++ 0x working draft
* [<http://www.open-std.org/Jtc1/sc22/wg21/docs/papers/2008/n2521.pdf>]
*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/type_traits
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/******

ThrowCompare.h

Interface for the ThrowCompare class

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/ThrowCompare.h
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test_slist.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_slist.cpp
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TestClass.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/TestClass.cpp
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/*

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*
*/

#ifndef _STLP_ITERATOR

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x38
# include <stl/_prolog.h>
# define _STLP_ITERATOR
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
# ifndef _STLP_INTERNAL_ITERATOR_H
# include <stl/_iterator.h>
# endif

# ifndef _STLP_INTERNAL_STREAM_ITERATOR_H
# include <stl/_stream_iterator.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x38) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <iterator>
# else
# include _STLP_NATIVE_HEADER(iterator)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x38)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ITERATOR */

```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iterator

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/* boost limits_test.cpp test your <limits> file for important

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/limits_test.cpp

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test_string.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_valarray.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_valarray.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/codecvt.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_messages_facets.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/_stdio_file.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/ostream.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale.c
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ios.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/numpunct.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_istreambuf_iterator.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/istream.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/collate.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/facets_byname.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_num_get.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_complex.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/locale
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_complex.c
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_num_get.c
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/streambuf.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iomanip.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_time_facets.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/message_facets.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_num_put.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_sstream.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_codecvt.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_fstream.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_istream.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_monetary.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/details/fstream_unistd.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_strstream.h

- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/num_put_float.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_monetary.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/monetary.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/complex_io.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_collate.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/locale.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/ios.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/iostream.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ctype.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ios.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/messages.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ios_base.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_num_put.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/fstream.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/num_get.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_istream.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/locale_catalog.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale_dummy/c_locale_dummy.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_locale.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/details/fstream_win32io.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/stdio_streambuf.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/ctype.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/time_facets.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ostream.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/stdio_streambuf.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/sstream.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ostreambuf_iterator.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/details/fstream_stdio.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/locale_impl.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/num_get_float.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_numpunct.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/strstream.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/locale_impl.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/complex.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_time_facets.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/num_put.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/acquire_release.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_streambuf.h
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/complex_trig.cpp
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_sstream.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_streambuf.c
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ostream.c

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 *
 */
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-
5.2.1/stlport/stl/debug/_string_sum_methods.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_tools.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_vector.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_list.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_sum.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_slist.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_operators.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-
5.2.1/stlport/stl/_string_sum_methods.h
```

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 */
```

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```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/rope
```

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/features.h
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*/
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iterator_old.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iterator.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iterator_base.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_function.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_function_base.h
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```

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*
*/
```

```
#ifndef _STLP_CSTDIO
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x15
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x15) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_CSTDIO
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x15) && !defined (_STLP_DONT_POP_HEADER_ID)
# ifndef _STLP_INTERNAL_CSTDIO
# include <stl/_cstdi.h>
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x15) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cstdio>
```

```
# else
# include _STLP_NATIVE_CPP_C_HEADER(cstdio)
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x15)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif
#endif
```

```
#endif
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdio
```

```
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```

```
/*
```

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```

```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cstdarg.h
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-
```

```
5.2.1/stlport/stl/config/user_config.h
```

```
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```
/*
```

```
*
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*
*/

```
#ifndef _STLP_DEQUE
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID  
# define _STLP_OUTERMOST_HEADER_ID 0x22  
# include <stl/_prolog.h>  
# define _STLP_DEQUE  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x22)  
# ifndef _STLP_INTERNAL_DEQUE_H  
# include <stl/_deque.h>  
# endif  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x22) || defined (_STLP_IMPORT_VENDOR_STD)  
# if defined (_STLP_HAS_INCLUDE_NEXT)  
# include_next <deque>  
# else  
# include _STLP_NATIVE_HEADER(deque)  
# endif  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x22)  
# include <stl/_epilog.h>  
# undef _STLP_OUTERMOST_HEADER_ID  
#endif
```

```
#endif /* _STLP_DEQUE */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/deque
```

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*
```

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```

```
*
```

```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_base.h
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_windows.h
```

```
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```

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*/

#ifndef _STLP_ISTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1036
# include <stl/_prolog.h>
# define _STLP_ISTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036) && \
    !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_ISTREAM
#   include <stl/_istream.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1036) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <istream>
# else
#   include _STLP_NATIVE_HEADER(istream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1036)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ISTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/istream
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/*****
test_hash_map.cpp

```

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*****/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_map.cpp
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*/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_fun.h
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 */

#ifndef _STLP_CSETJMP

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x111
# define _STLP_CSETJMP
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111)
# ifndef _STLP_INTERNAL_CSETJMP
# include <stl/_csetjmp.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x111) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <csetjmp>
# else
# include _STLP_NATIVE_CPP_C_HEADER(csetjmp)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x111 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSETJMP */

// Local Variables:
// mode:C++
// End:

```

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/csetjmp

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*/

#ifndef _STLP_CWCTYPE

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x121

define _STLP_CWCTYPE

include <stl/_prolog.h>

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x121)

ifndef _STLP_INTERNAL_CWCTYPE

include <stl/_cwctype.h>

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x121) || defined (_STLP_IMPORT_VENDOR_STD)

if defined (_STLP_HAS_INCLUDE_NEXT)

include_next <cwctype>

else

include _STLP_NATIVE_CPP_C_HEADER(cwctype)

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x121)

include <stl/_epilog.h>

undef _STLP_OUTERMOST_HEADER_ID

#endif

#endif /* _STLP_CWCTYPE */

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cwctype

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/*

*/

random_number.cpp

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*/

#ifndef _STLP_CSTRING

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x117

define _STLP_CSTRING

```

# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
# ifndef _STLP_INTERNAL_CSTRING
#   include <stl/_cstring.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x117) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <cstring>
# else
#   include _STLP_NATIVE_CPP_C_HEADER(cstring)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x117)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSTRING */

```

// Local Variables:

// mode:C++

// End:

Found in path(s):

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/*

*/

TestClass.h

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SUMMARY: TestClass simulates a class that uses resources. It is designed to
cause exceptions when it is constructed or copied.

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/TestClass.h

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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_range_errors.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_range_errors.c

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```

*
*/

#ifndef _STLP_SET

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x55
# include <stl/_prolog.h>
# define _STLP_SET
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
# ifndef _STLP_INTERNAL_SET_H
# include <stl/_set.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x55) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <set>
# else
# include _STLP_NATIVE_HEADER(set)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x55)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_SET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/set
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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/file_reporter.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/test_main.cpp
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_mini.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_proxy.h

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*/

#ifndef _STLP_QUEUE

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x53

include <stl/_prolog.h>

```
# define _STLP_QUEUE
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
# ifndef _STLP_INTERNAL_QUEUE_H
# include <stl/_queue.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x53) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <queue>
# else
# include _STLP_NATIVE_HEADER(queue)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x53)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_QUEUE */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

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*
* Modified CRP 7/10/00 for improved conformance / efficiency on insert_unique /
* insert_equal with valid hint -- efficiency is improved all around, and it is
* should now be standard conforming for complexity on insert point immediately
* after hint (amortized constant time).
*
*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tree.c
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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist.c
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_set.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stlport_version.h

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```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_exception.h
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```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdlib.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/pthread.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/mem.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_typeinfo.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/errno.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stddef.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/limits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/assert.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/new.h
```

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/time.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_csetjmp.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cwchar.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/exception.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cstddef.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cmath.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cstring.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cwctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/typeinfo.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iomanip.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cstdio.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/strstream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_mbstate_t.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdio.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cstdlib.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/math.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdarg.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iostream.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_new.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/wchar.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/stl_confix.h
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_cctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iso646.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/float.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/signal.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/locale.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ctype.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_locale.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ios.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/wctype.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_numeric.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_valarray.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_deque.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_vector.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tempbuf.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist_base.c
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.c

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/type_traits.h
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```
/******
```

```
test_set.cpp
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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_carray.h

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/*

test_algo.cpp

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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_algo.cpp

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_limits.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_fwd.h
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test_push_front.h

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_push_front.h
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*
*/

#ifndef _STLP_CISO646
#define _STLP_CISO646

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x107
# include <stl/_prolog.h>
#endif

#if !defined(_STLP_WCE_EVC3) && !defined (__BORLANDC__)
# if defined (_STLP_USE_NEW_C_HEADERS)
#   if defined (_STLP_HAS_INCLUDE_NEXT)
#     include_next <ciso646>
#   else
#     include _STLP_NATIVE_CPP_C_HEADER(ciso646)
#   endif
# else
#   include <iso646.h>
# endif /* _STLP_USE_NEW_C_HEADERS */
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x107 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CISO646 */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ciso646
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*
*/
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x103
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x103) && ! defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
#endif
```

```
#if !defined (_STLP_WCE_EVC3)
# if defined (_STLP_USE_NEW_C_HEADERS)
#   if defined (_STLP_HAS_INCLUDE_NEXT)
#     include_next <cassert>
#   else
#     include _STLP_NATIVE_CPP_C_HEADER(cassert)
#   endif
# else
#   include <assert.h>
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x103 )
# if !defined (_STLP_DONT_POP_HEADER_ID)
#   include <stl/_epilog.h>
#   undef _STLP_OUTERMOST_HEADER_ID
# else
#   undef _STLP_DONT_POP_HEADER_ID
# endif
#endif
```

```
// Local Variables:
// mode:C++
// End:
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cassert
```

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```
/*
```

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*/

// This header exists solely for portability. Normally it just includes
// the native header <exception>.

#ifndef _STLP_EXCEPTION

#if !defined (_STLP_OUTERMOST_HEADER_ID)
# define _STLP_OUTERMOST_HEADER_ID 0x423
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x423)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_EXCEPTION
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x423) && !defined (_STLP_DONT_POP_HEADER_ID)
# ifndef _STLP_INTERNAL_EXCEPTION
#   include <stl/_exception.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x423) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
/* If we are here it means that we are in an include called
* from the native lib which means that we can simply forward this
* call to the native exception header:
*/
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <exception>
# else
#   if defined (__DMC__) && (_STLP_OUTERMOST_HEADER_ID == 0x874)
// Workaround to DMC hardcoded typeinfo.h inclusion.
#     include <../include/exception>
#   else

```

```
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(exception)
# endif
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x423)
# if !defined(_STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif
```

```
#endif /* _STLP_EXCEPTION */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/exception
```

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

```
*****
* README file for STLport 5.0 *
* *
*****
```

```
This directory contains the STLport-5.0 release.
```

```
What's inside :
```

```
README - this file
```

```
INSTALL - installation instructions
```

```
bin - installation directory for STLport unit tests;
it may contain more subdirs, if you use
crosscompilation
```

```
build/lib - build directory for STLport library (if you use
STLport iostreams and/or locale only)
```

```
build/test/unit - build directory for regression (unit) tests
```

```
build/test/eh - build directory for exception handling tests
```

```
stlport - main STLport include directory
```

```
src - source for iostreams implementation and other parts
that aren't pure template code
```

```
lib - installation directory for STLport library (if you
```


use STLport iostreams and/or locale only);
it may contain more subdirs, if you use
crosscompilation
test/unit - unit (regression) tests
test/eh - exception handling test using STLport iostreams
etc - miscellaneous files (ChangeLog, TODO, scripts, etc.)

GETTING STLPORT

To download the latest version of STLport, please be sure to visit
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/README

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test_bit_vector.cpp

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hashtable.c
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*  
*/
```

```
#ifndef _STLP_SLIST  
#define _STLP_SLIST
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID  
# define _STLP_OUTERMOST_HEADER_ID 0x58  
# include <stl/_prolog.h>  
#endif
```

```
#ifdef _STLP_PRAGMA_ONCE  
# pragma once  
#endif
```

```
#if defined (_STLP_NO_EXTENSIONS)  
/* Comment following if you want to use the slist container even if you ask for  
* no extension.  
*/  
# error The slist class is an STLport extension.  
#endif
```

```
#ifndef _STLP_INTERNAL_SLIST_H  
# include <stl/_slist.h>  
#endif
```

```
#if defined (_STLP_IMPORT_VENDOR_STD)  
//This is not a Standard header, it might failed for most of  
//the compilers so we comment it for the moment. Should be uncommented  
//on a compiler basis.  
//# include _STLP_NATIVE_HEADER(slist)  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x58)  
# include <stl/_epilog.h>  
# undef _STLP_OUTERMOST_HEADER_ID  
#endif
```

```
#endif /* _STLP_SLIST */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/slist

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Main.cpp

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_unordered_map.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_iostream_string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_unordered_set.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-
5.2.1/stlport/stl/_string_workaround.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/pointers/_deque.h
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*
*/
// This header defines classes basic_stringbuf, basic_istream,
// basic_ostringstream, and basic_stringstream. These classes
// represent streambufs and streams whose sources or destinations are
// C++ strings.

#ifndef _STLP_SSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1059
# include <stl/_prolog.h>
# define _STLP_SSTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1059) && \
    !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_SSTREAM
#   include <stl/_sstream.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1059) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <sstream>
# else
#   include _STLP_NATIVE_HEADER(sstream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1059)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

```

```

#endif /* _STLP_SSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/sstream
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*
*/

#ifndef _STLP_ALGORITHM

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1
# include <stl/_prolog.h>
# define _STLP_ALGORITHM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1)
# ifndef _STLP_INTERNAL_CSTDIO
// remove() conflicts, <cstdio> should always go first
# include <stl/_cstdio.h>
# endif

```

```

# ifndef _STLP_INTERNAL_ALGO_H
#  include <stl/_algo.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#  include_next <algorithm>
# else
#  include _STLP_NATIVE_HEADER(algorithm)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_ALGORITHM */

```

```

// Local Variables:
// mode:C++
// End:

```

Found in path(s):

```

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/algorithm
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```

```

/*****
test_hash_resize.h

```

```

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```

```

*****/

```

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```

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_resize.h

```


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```
/******
```

```
random_number.h
```

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```

```
*****/
```

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```
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```

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```
/*
```

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*
*/
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/unit/cppunit/cppunit_timer.h
```

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```
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```

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*/

#ifndef _STLP_CSIGNAL

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x112
# define _STLP_CSIGNAL
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x112)
# ifndef _STLP_INTERNAL_CSIGNAL
# include <stl/_csignal.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x112) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <csignal>
# else
# include _STLP_NATIVE_CPP_C_HEADER(csignal)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x112 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSIGNAL */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/csignal
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/*****
test_rope.cpp

```

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*****/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_rope.cpp

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*****/

test_push_back.h

Interface for the test_push_back class

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*****/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_push_back.h

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*****/

test_hash_set.cpp

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*****/

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_hash_set.cpp

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Quick start.

GNU Make (Linux, OpenBSD, FreeBSD, CygWin, etc.), with gcc:

```
make -f gcc.mak depend
make -f gcc.mak install
```

GNU Make (SunOS), with SunPro CC:

```
make -f CC.mak depend
make -f CC.mak install
```

Microsoft NMAKE (MS Windows), with VC6:

```
nmake /fmsvc.mak install
```

Make system goals.

- all source files declared in one place (for all platforms and compilers); the same is for base library (application) name and version.
- derive object filenames from source filenames in make system
- source files may be situated in few catalogs
- avoid information duplication, if possible
- support cross-compilation

Make targets.

release-static

build STLport as static library

dbg-static

build STLport as static library (with debug information)

stldbg-static

build STLport as static library (STLP_DEBUG mode, with debug information)

release-shared

build STLport as dynamic (shared) library

dbg-shared

STLport as dynamic (shared) library (with debug information)

stldbg-shared

build STLport as dynamic (shared) library (STLP_DEBUG mode, with debug information)

all (default)

cumulative target for release,dbg,stldbg -shared on Unix-like platforms and plus release,dbg,stldbg -static on Windows.

depend

create dependency files (for performance reasons dependency not created during compilation process); this target absent for MS NMAKE (due to pure scripting opportunities)

install-release-shared

install-dbg-shared

install-stldbg-shared

install-release-static

install-dbg-static

install-stldbg-static

build and install appropriate libraries and related files, into 'STLport/lib' and 'STLport/bin' (../lib, relative position of this file)

install

cumulative target for install-*-shared on Unix-like platforms and install-*-static on Windows.

clean

remove all intermediate files

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/lib/README

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*

*/

#ifndef _STLP_IOS

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x1032

include <stl/_prolog.h>

define _STLP_IOS

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1032) && \

!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))

include <stl/_ioserr.h>

ifndef _STLP_INTERNAL_IOS_H

include <stl/_ios.h>

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1032) || defined (_STLP_IMPORT_VENDOR_STD)

if defined (_STLP_HAS_INCLUDE_NEXT)

include_next <ios>

else

include _STLP_NATIVE_HEADER(ios)

endif

#endif


```
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*  
*/
```

```
#ifndef _STLP_CTIME
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
```

```
# define _STLP_OUTERMOST_HEADER_ID 0x118
```

```
# include <stl/_prolog.h>
```

```
#elif (_STLP_OUTERMOST_HEADER_ID == 0x118) && !defined (_STLP_DONT_POP_HEADER_ID)
```

```
# define _STLP_DONT_POP_HEADER_ID
```

```
# define _STLP_CTIME
```

```
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x118) && !defined (_STLP_DONT_POP_HEADER_ID)
```

```
# ifndef _STLP_INTERNAL_CTIME
```

```
# include <stl/_ctime.h>
```

```
# endif
```

```
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x118) || defined (_STLP_DONT_POP_HEADER_ID) || defined  
(_STLP_IMPORT_VENDOR_STD)
```

```
# if defined (_STLP_HAS_INCLUDE_NEXT)
```

```
# include_next <ctime>
```

```
# else
```

```
# include _STLP_NATIVE_CPP_C_HEADER(ctime)
```

```
# endif
```

```
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x118)
```

```
# if !defined (_STLP_DONT_POP_HEADER_ID)
```

```
# include <stl/_epilog.h>
```

```
# undef _STLP_OUTERMOST_HEADER_ID
```

```
# else
```

```
# undef _STLP_DONT_POP_HEADER_ID
```

```
# endif
```

```
#endif
```

```
#endif /* _STLP_CTIME */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ctime
```


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```
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 */

#ifndef _STLP_IOSFWD

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1034
# include <stl/_prolog.h>
# define _STLP_IOSFWD
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1034) && \
    !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_IOSFWD
#   include <stl/_iosfwd.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1034) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <iosfwd>
# else
#   include _STLP_NATIVE_HEADER(iosfwd)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1034)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
```

```

#endif

#endif /* _STLP_IOSFWD */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iosfwd
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test_list.cpp

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*
*/

#endif _STLP_CFLOAT

```

```

#define _STLP_CFLOAT

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x106
# include <stl/_prolog.h>
#endif

// Borland defines some implementation constants in std:: namespace,
// we do not want to import them.
#if defined (_STLP_USE_NEW_C_HEADERS) && !defined (__BORLANDC__)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#  include_next <cfloat>
# else
#  include _STLP_NATIVE_CPP_C_HEADER(cfloat)
# endif
#else
# include <float.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x106 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CFLOAT */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cfloat
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Prefix.h

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```

SUMMARY: Configuration #defines for STL EH test suite

*****/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/Prefix.h

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/*

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-

5.2.1/stlport/stl/config/_native_headers.h

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version.

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/etc/ChangeLog-5.1

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*
*/
/* Default values based on C++ Standard 22.2.1.
* Under Windows the localisation implementation take care of mapping its
* mask values to those internal values. For other platforms without real
* localization support we are free to use the most suitable values.*/
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/c_locale.h
```

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*
*/
```

```
#ifndef _STLP_VALARRAY
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x76
# include <stl/_prolog.h>
# define _STLP_VALARRAY
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x76)
# ifndef _STLP_VALARRAY_H
# include <stl/_valarray.h>
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x76) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <valarray>
```



```

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*
*/

#ifndef _STLP_STDEXCEPT

#if !defined (_STLP_OUTERMOST_HEADER_ID)
# define _STLP_OUTERMOST_HEADER_ID 0x63
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x63) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_STDEXCEPT
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x63)
# ifndef _STLP_INTERNAL_STDEXCEPT
# include <stl/_stexcept.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x63) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <stexcept>
# else
# include _STLP_NATIVE_HEADER(stexcept)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x63)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif

#endif /* _STLP_STDEXCEPT */

```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stdexcept
```

```
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```

```
/*
```

```
*
```

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```

```
*
```

```
*/
```

```
#ifndef _STLP_STACK
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID
```

```
# define _STLP_OUTERMOST_HEADER_ID 0x60
```

```
# include <stl/_prolog.h>
```

```
# define _STLP_STACK
```

```
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
```

```
# ifndef _STLP_INTERNAL_STACK_H
```

```
# include <stl/_stack.h>
```

```
# endif
```

```
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x60) || defined (_STLP_IMPORT_VENDOR_STD)
```



```
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <stack>
# else
# include _STLP_NATIVE_HEADER(stack)
# endif
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x60)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
```

```
#endif /* _STLP_STACK */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stack

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```
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```

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```
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```

```
*
```

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```

```
*
```

```
*/
```

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/msl_string.h

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```
/*
```

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```

```
*
```

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```
*
```

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*
*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/c_locale_win32/c_wlocale_win32.c

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*/

#ifndef _STLP_BITSET

// This implementation of bitset<> has a second template parameter,
// _WordT, which defaults to unsigned long. *YOU SHOULD NOT USE
// THIS FEATURE*. It is experimental, and it may be removed in
// future releases.

// A bitset of size N, using words of type _WordT, will have
// N % (sizeof(_WordT) * CHAR_BIT) unused bits. (They are the high-
// order bits in the highest word.) It is a class invariant
// of class bitset<> that those unused bits are always zero.

// Most of the actual code isn't contained in bitset<> itself, but in the
// base class _Base_bitset. The base class works with whole words, not with
// individual bits. This allows us to specialize _Base_bitset for the
// important special case where the bitset is only a single word.

// The C++ standard does not define the precise semantics of operator[].

```

// In this implementation the const version of operator[] is equivalent
// to test(), except that it does no range checking. The non-const version
// returns a reference to a bit, again without doing any range checking.

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x2
# include <stl/_prolog.h>
# define _STLP_BITSET
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x2)
# ifndef _STLP_INTERNAL_BITSET
# include <stl/_bitset.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x2) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <bitset>
# else
# include _STLP_NATIVE_HEADER(bitset)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x2 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_BITSET */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/bitset
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*/

#ifndef _STLP_IOMANIP

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1030
# include <stl/_prolog.h>
# define _STLP_IOMANIP
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1030) && \
    !(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))
# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_IOMANIP
#   include <stl/_iomanip.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1030) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <iomanip>
# else
#   include _STLP_NATIVE_HEADER(iomanip)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1030)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_IOMANIP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/iomanip

```

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 *
 */

#ifndef _STLP_NEW_HEADER

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x447
# define _STLP_NEW_HEADER
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x447)
# ifndef _STLP_NEW_H_HEADER
# include <stl/_new.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x447) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <new>
# else
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(new)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x447)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_NEW */

// Local Variables:
// mode:C++
```

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/new
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*

*/

// This header defines classes basic_filebuf, basic_ifstream,
// basic_ofstream, and basic_fstream. These classes represent
// streambufs and streams whose sources or destinations are files.

#ifndef _STLP_FSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x1025

include <stl/_prolog.h>

define _STLP_FSTREAM

if defined (__DMC__) && defined (_DLL)

define _STLP_CLASS_IMPORT_DECLSPEC __declspec(dllimport)

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1025) && \

!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))

include <stl/_ioserr.h>

ifndef _STLP_INTERNAL_FSTREAM_H

include <stl/_fstream.h>

endif

#endif

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x1025) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <fstream>
# else
# include _STLP_NATIVE_HEADER(fstream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1025)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# if defined (__DMC__) && defined (_DLL)
# undef _STLP_CLASS_IMPORT_DECLSPEC
# define _STLP_CLASS_IMPORT_DECLSPEC
# endif
#endif

#endif /* _STLP_FSTREAM */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/fstream

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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_insert.h

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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_cray.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/config/_system.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-

5.2.1/stlport/stl/config/stl_mycomp.h

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TestController.h

SUMMARY: An "faux-singleton" object to encapsulate a hodgepodge of state and functionality relating to the test suite. Probably should be broken into smaller pieces.

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Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/nc_alloc.h
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Found in path(s):

- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/top.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/CC.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/clean.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/rules-install.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/freebsd/sys.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/clean.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/extern.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/CC.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/targetsys.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/dmc.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/sunos/targetsys.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/targetdirs.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/gcc.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/bcc.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/top.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/sysid.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/gcc.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/targets.mak
- * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-

5.2.1/build/Makefiles/gmake/aCC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/hp-ux/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/aCC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/icc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/hp-ux/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/top.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/rules-install-a.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/bcc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/icc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/unix/rules-so.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/vc6.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/aCC.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/icc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/dmc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/gcc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/freebsd/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/depend.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/unix/rules-install-so.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/lib.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/unix/lib.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/subdirs.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/dmc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/linux/targetsys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/linux/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/Makefile

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/lib/rules-a.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/bcc.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/vc6.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/app/rules.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/darwin/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/sunos/sys.mak
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/build/Makefiles/gmake/CC.mak
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*/
// version.
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stream_iterator.h
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*/

```
#ifndef _STLP_CERRNO  
#define _STLP_CERRNO
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID  
# define _STLP_OUTERMOST_HEADER_ID 0x105  
# include <stl/_prolog.h>  
#endif
```

```
#ifndef _STLP_WCE  
# if defined (_STLP_USE_NEW_C_HEADERS)  
#   if defined (_STLP_HAS_INCLUDE_NEXT)  
#     include_next <cerrno>  
#   else  
#     include _STLP_NATIVE_CPP_C_HEADER(cerrno)  
#   endif  
# else  
#   include <errno.h>  
# endif  
#endif
```

```
#ifndef errno /* errno is not a macro */  
# if defined (_STLP_IMPORT_VENDOR_CSTD)  
#   if !defined (__IBMCPP__) && !defined (__hpux) && !defined (__MWERKS__) && !defined (_STLP_WCE)  
_STLP_BEGIN_NAMESPACE  
using _STLP_VENDOR_CSTD::errno;  
_STLP_END_NAMESPACE  
#   endif  
# endif  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x105 )  
# include <stl/_epilog.h>  
# undef _STLP_OUTERMOST_HEADER_ID  
#endif
```

```
#endif /* _STLP_CERRNO */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cerrno
```

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```
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***
```

```
***
```

```
NC_ALLOC.CPP
```

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```

```
*****  
***
```

```
***
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```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/nc_alloc.cpp
```

```
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```

```
=====
```

```
STLport README for Microsoft Visual C++ compilers.
```

```
=====
```

```
by: Francois Dumont, dums@stlport.com, last edited 08/02/2005
```

```
=====
```

```
Introduction
```

```
=====
```

This document describes how STLport can be compiled and used with Microsoft Visual C++ 6 SP5. It can also be used for the MSVC++ family.

For any further comments or questions visit STLport mailing lists

<http://stlport.sourceforge.net/Maillists.shtml> or forums

http://sourceforge.net/forum/?group_id=146814

=====
Prerequisites
=====

To build and use STLport you will need following tools and libraries:
- Microsoft Visual C++ 6.0 with at least Service Pack 5 or any higher version.

=====
Configuring STLport
=====

In a console window go to the STLport build/lib folder. Run

```
configure --help
```

This command will present you the different available build options. Just follow the instructions to set STLport configuration according your needs. The only mandatory configuration is to declare what is the compiler you are going to use, for MSVC 6 it is:

```
configure -c msvc6
```

=====
Building STLport
=====

This is a step by step description of the actions to take in order to have the STLport library built:

1. Open a console window. You can get it executing cmd or command depending on your Windows OS.
2. Go to MSVC++ Bin directory with a default MSVC6 install it is

```
cd "C:\Program Files\Microsoft Visual Studio\VC98\Bin"
```
3. Run the vcvars32.bat script. This sets the environment variables required to have the MSVC++ compiler run during the build process. The most important one is the PATH variable so that you can call the cl.exe command which is the MSVC++ command line compiler. [You may omit this step, if you chose 'Install paths to access command-line tools' during Microsoft Visual Studio installation procedure.]
4. Go to the STLport build/lib folder:

```
cd C:\STLport\build\lib
```
5. Run the following command:

```
nmake /fmsvc.mak install
```

nmake is the make utility from Microsoft. /f is an nmake option telling it which make file script to use. You have of course to grant the closer make file to your effective compiler, msvc.mak in our case.

Once the command returns, you will have all the necessary libraries within the STLport lib folder. For a description of the generated libraries check the README file within the src folder.

=====
Testing STLport
=====

You can use the unit tests to verify STLport behaves correctly. Change into STLports 'build/test/unit' folder and type:

```
nmake /fmsvc.mak install
```

Once the unit test is built you just need to run it. They can be found within the STLport bin folder.

=====
Using STLport
=====

Adjust your include and link paths in MSVC IDE (in 'Tools -> Options -> Directories' for MSVC6 IDE). In the include files add the path to STLport's 'stlport' folder. Make sure it is the first directory listed there. Add STLport's 'lib' folder for the library files (order of paths doesn't matter here).

There are some preprocessor defines that control usage of the STLport in msvc projects:

If you don't want to use the iostreams part of the library, you can specify the define `_STLP_NO_Iostreams`. In this mode there is no need to link against the library.

STLport uses automatic linking to find the proper .lib file. If you want to see what import library STLport is going to use, define `_STLP_VERBOSE_AUTO_LINK`. When not using automatic linking (by specifying `_STLP_DONT_USE_AUTO_LINK`), you have to specify the proper .lib file in the Project Settings, on the "link" tab. The .lib names have the following syntax:

```
stlport[d|std][_x,_static,_statix].<STLport-Version>.lib
```

d : debug build

std: debug build with `_STLP_DEBUG` (STL safe) mode

_x: Build of STLport as a dll but statically link to the native runtime.

_static : build of a static library

_statix : build of a static library link dynamically to the native runtime.

Examples:

```
stlport_static.5.0.lib - static release version, Version 5.0.0
```


stlportd.5.0.lib - dll debug version, Version 5.0.0

When using STLport together with MFC, be sure to include the MFC headers first, then include STLport headers, e.g. in your Stdafx.h. This way STLport correctly recognizes MFC usage. You also can define the macro `_STLP_USE_MFC`, either in your project settings or in `stlport/stl/config/user_config.h`.

In order to enhance debugging with STLport you can optionally add the content of the `etc/autoexp.dat` file in the `autoexp.dat` file coming with your Visual Studio install.

Now you should be ready to use STLport.

=====
Known issues
=====

1. InterlockedIncrement

If you experiment trouble with the `InterlockedIncrement` Win32 API function like the following message:

```
C:\Program Files\Microsoft SDK\Include\.\winbase.h(1392) : error C2733: second C linkage of overloaded function 'InterlockedIncrement' not allowed
C:\Program Files\Microsoft SDK\Include\.\winbase.h(1390) : see declaration of 'InterlockedIncrement'
```

It means that you are using the new Microsoft platform SDK. There is no way to know it from STLport code so you have to signal it in the `stlport/stl/config/user_config.h` file (uncomment `_STLP_NEW_PLATFORM_SDK` in this file).

2. Native C/C++ library headers location

If you experiment trouble with location of `ctime` and other Standard headers while building or using STLport you might be using the compiler coming with a platform SDK. If so please uncomment `_STLP_USING_PLATFORM_SDK_COMPILER` in `stlport/stl/config/user_config.h`. If it still do not find native headers you will perhaps need to change native headers relative path used by STLport. In this case use `_STLP_NATIVE_INCLUDE_PATH` and associated macro in `stlport/stl/config/host.h`.

4. C symbols in std namespace

The compiler of MSVC++ 6 has a bug when dealing with symbols existant in both the global namespace and symbols imported by a `using-directive` or a `using-declaration` - it will report an ambiguous call to an overloaded function (error C2668). Example:

```
void function();
```

```

namespace ns {
    void function();
    // or:
    // using ::function;
}

using ns::function;
// or:
// using namespace ns;

void call() {
    function();
}

```

Since we anticipate that using-declarations or even using-directives are common use, STLport by default doesn't import or wrap functions that exist in both the global namespace and namespace std, in particular those are functions with C origin like fopen() or abs(). Also, it defines additional overloads for functions like abs() (overloaded for int, long, float, double, long double) in the global namespace.

In order to make STLport include them in the std namespace, you can define the `_STLP_DO_IMPORT_CSTD_FUNCTIONS` macro. Doing so, you will have to explicitly scope all your functions calls like `std::abs()` though - otherwise you only get the global `abs(int)` from the C library.

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/doc/README.msvc
No license file was found, but licenses were detected in source scan.
```

```

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*/

```

```
#ifndef _STLP_LIMITS

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x39
# include <stl/_prolog.h>
# define _STLP_LIMITS
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x39)
# ifndef _STLP_INTERNAL_LIMITS
# include <stl/_limits.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x39) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <limits>
# else
# include _STLP_NATIVE_HEADER(limits)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x39)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_LIMITS */
```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/limits

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_abbrevs.h
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/*
test_vector.cpp

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_vector.cpp
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/*
test_assign_op.h

SUMMARY: Test functor template for assignment operators.

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_assign_op.h

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*

*/

// WARNING: The classes defined in this header are DEPRECATED. This

// header is defined in section D.7.1 of the C++ standard, and it

// MAY BE REMOVED in a future standard revision. You should use the

// header <sstream> instead.

#ifndef _STLP_STRSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x1070

include <stl/_prolog.h>

define _STLP_STRSTREAM

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1070) && \

!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))

include <stl/_ioserr.h>

ifndef _STLP_INTERNAL_STRSTREAM

include <stl/_strstream.h>

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1070) || defined (_STLP_IMPORT_VENDOR_STD)

/* Even if deprecated strstream header is still part of the Standard. Remove

* _STLP_IMPORT_VENDOR_STD check if the native compiler library do not grant

* it anymore. */

if defined (_STLP_HAS_INCLUDE_NEXT)

```

# include_next <strstream>
# else
# include _STLP_NATIVE_HEADER(strstream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1070)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_STRSTREAM */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/strstream
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*
*/

#ifndef _STLP_CLOCALE

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x109
# define _STLP_CLOCALE
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
# ifndef _STLP_INTERNAL_CLOCALE
# include <stl/_clocale.h>
# endif

```

```

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x109) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#  include_next <locale>
# else
#  include _STLP_NATIVE_CPP_C_HEADER(locale)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x109)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CLOCALE */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/locale
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*
*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_function_adaptors.h

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_numeric.h

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*/

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/type_manips.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-
5.2.1/stlport/stl/_move_construct_fwkw.h

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*/

#ifndef _STLP_UTILITY

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x75

include <stl/_prolog.h>

#elif (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)

define _STLP_DONT_POP_HEADER_ID

define _STLP_UTILITY

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x75) && !defined (_STLP_DONT_POP_HEADER_ID)

ifndef _STLP_INTERNAL_PAIR_H

include <stl/_pair.h>

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_deque.cpp

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*

*/

#ifndef _STLP_COMPLEX

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x10

define _STLP_COMPLEX

include <stl/_prolog.h>

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10)

// This header declares the template class complex, as described in

// in the C++ Standard. Single-precision complex numbers

// are complex<float>, double-precision are complex<double>, and

// quad precision are complex<long double>.

// Note that the template class complex is declared within namespace

// std, as called for by the draft C++ standard

ifndef _STLP_INTERNAL_COMPLEX

include <stl/_complex.h>

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x10) || defined (_STLP_IMPORT_VENDOR_STD)

if defined (_STLP_HAS_INCLUDE_NEXT)

include_next <complex>

else

include _STLP_NATIVE_HEADER(complex)

endif

```

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x10 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_COMPLEX */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/complex
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*
*/

#ifndef _STLP_CSTDARG

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x113
# define _STLP_CSTDARG
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113)
# ifndef _STLP_INTERNAL_CSTDARG
# include <stl/_cstdarg.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x113) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)

```

```

# include_next <cstdarg>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cstdarg)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x113 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSTDARG */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdarg
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*
*/
#endif _STLP_OSTREAM

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x1050
# include <stl/_prolog.h>
# define _STLP_OSTREAM
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1050) && \
!(defined (_STLP_NO_IOSTREAMS) && defined (_STLP_IMPORT_VENDOR_STD))

```

```

# include <stl/_ioserr.h>

# ifndef _STLP_INTERNAL_OSTREAM
#   include <stl/_ostream.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x1050) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
#   include_next <ostream>
# else
#   include _STLP_NATIVE_HEADER(ostream)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x1050)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_OSTREAM */

```

// Local Variables:

// mode:C++

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/ostream

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_rope.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_slist.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_slist_base.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/allocators.cpp

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_alloc.h

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_alloc.c

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*/

#ifndef _STLP_CMATH

#ifndef _STLP_OUTERMOST_HEADER_ID

define _STLP_OUTERMOST_HEADER_ID 0x110

include <stl/_prolog.h>

#elif (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)

define _STLP_DONT_POP_HEADER_ID

define _STLP_CMATH

#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x110) && !defined (_STLP_DONT_POP_HEADER_ID)

ifndef _STLP_INTERNAL_CMATH

include <stl/_cmath.h>

endif

#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x110) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)

if defined (_STLP_HAS_INCLUDE_NEXT)

```

# include_next <cmath>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cmath)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x110)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif

#endif /* _STLP_CMATH */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cmath
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*/

#endif _STLP_CSTDDEF

#endif _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x114
# define _STLP_CSTDDEF
# include <stl/_prolog.h>
#endif

```



```
#if (_STLP_OUTERMOST_HEADER_ID == 0x114)
# ifndef _STLP_INTERNAL_CSTDDEF
# include <stl/_cstddef.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x114) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cstddef>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cstddef)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x114 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif
```

```
#endif /* _STLP_CSTDDEF */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstddef
```

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*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/unordered_map
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/unordered_set
```

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test_map.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_map.cpp

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test_algobase.cpp

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/test/eh/test_algobase.cpp

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 */

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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_algo.c
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_construct.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tree.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_algo.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_set.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_tree.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_algbase.c
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_list.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_algbase.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/src/dll_main.cpp
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_tempbuf.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_map.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_pthread_alloc.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_list.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_bvector.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hashtable.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_hash_set.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_pair.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_raw_storage_iter.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_vector.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_deque.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_deque.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_vector.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_queue.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/debug/_hashtable.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_uninitialized.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_map.h
 * /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_stack.h

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 */

#ifndef _STLP_CCTYPE

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x104
# define _STLP_CCTYPE
# include <stl/_prolog.h>
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
# ifndef _STLP_INTERNAL_CCTYPE
# include <stl/_cctype.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x104) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cctype>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cctype)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x104 )
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CCTYPE */

// Local Variables:
// mode:C++
```

// End:

Found in path(s):

* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cctype
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_threads.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_auto_ptr.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/memory
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_io.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_string_hash.h
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*
*/

```
#ifndef _STLP_LIST
```

```
#ifndef _STLP_OUTERMOST_HEADER_ID  
# define _STLP_OUTERMOST_HEADER_ID 0x40  
# include <stl/_prolog.h>  
# define _STLP_LIST  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x40)  
# ifndef _STLP_INTERNAL_LIST_H  
# include <stl/_list.h>  
# endif  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID != 0x40) || defined (_STLP_IMPORT_VENDOR_STD)  
# if defined (_STLP_HAS_INCLUDE_NEXT)  
# include_next <list>  
# else  
# include _STLP_NATIVE_HEADER(list)  
# endif  
#endif
```

```
#if (_STLP_OUTERMOST_HEADER_ID == 0x40)  
# include <stl/_epilog.h>  
# undef _STLP_OUTERMOST_HEADER_ID  
#endif
```

```
#endif /* _STLP_LIST */
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/list
```

```
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 */

#ifndef _STLP_TYPEINFO

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x473
# include <stl/_prolog.h>
#elif (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
# define _STLP_DONT_POP_HEADER_ID
# define _STLP_TYPEINFO
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473) && !defined (_STLP_DONT_POP_HEADER_ID)
# ifndef _STLP_INTERNAL_TYPEINFO
# include <stl/_typeinfo.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x473) || defined (_STLP_DONT_POP_HEADER_ID) || defined
(_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <typeinfo>
# else
# include _STLP_NATIVE_CPP_RUNTIME_HEADER(typeinfo)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x473)
# if !defined (_STLP_DONT_POP_HEADER_ID)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
# else
# undef _STLP_DONT_POP_HEADER_ID
# endif
#endif
#endif

```

```
#endif
```

```
// Local Variables:
```

```
// mode:C++
```

```
// End:
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/typeinfo
```

```
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```

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*
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```
*
```

```
*/
```

```
Found in path(s):
```

```
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/boost_type_traits.h
```

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```
*
```

```
*/
```

```
#ifndef _STLP_CSTDLIB
```



```

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x116
# define _STLP_CSTDLIB
# include <stl/_prolog.h>
#endif

# if defined (__GNUC__) && defined (__MINGW32__)
/* Native cstdlib includes stdlib.h using an include_next so STLport stdlib.h
* is not used and the workaround in this file must be duplicated here
* (see stdlib.h). */
# include "errno.h"
# endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# ifndef _STLP_INTERNAL_CSTDLIB
# include <stl/_cstdlib.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x116) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <cstdlib>
# else
# include _STLP_NATIVE_CPP_C_HEADER(cstdlib)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x116)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_CSTDLIB */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/cstdlib
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* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/_ctrails_fns.h
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/stl/concept_checks.h

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test_bitset.cpp

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*
*/

#ifndef _STLP_MAP

#ifndef _STLP_OUTERMOST_HEADER_ID
# define _STLP_OUTERMOST_HEADER_ID 0x43
# include <stl/_prolog.h>
# define _STLP_MAP
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x43)
# ifndef _STLP_INTERNAL_MAP_H
# include <stl/_map.h>
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID != 0x43) || defined (_STLP_IMPORT_VENDOR_STD)
# if defined (_STLP_HAS_INCLUDE_NEXT)
# include_next <map>
# else
# include _STLP_NATIVE_HEADER(map)
# endif
#endif

#if (_STLP_OUTERMOST_HEADER_ID == 0x43)
# include <stl/_epilog.h>
# undef _STLP_OUTERMOST_HEADER_ID
#endif

#endif /* _STLP_MAP */

// Local Variables:
// mode:C++
// End:

Found in path(s):
* /opt/cola/permits/1111286494_1607870159.27/0/stlport-5-2-1-tar-gz/STLport-5.2.1/stlport/map

```

1.239 libart 2.3.21-10.e17

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1.240 axis2-transport-local 1.6.2

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1.241 e2fsprogs 1.42.9 7.e17

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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

That's all there is to it!

```
#  
# This is a Makefile stub which handles the creation of BSD shared  
# libraries.  
#  
# In order to use this stub, the following makefile variables must be defined.  
#  
# BSDLIB_VERSION = 1.0  
# BSDLIB_IMAGE = libce  
# BSDLIB_MYDIR = et  
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)  
#
```

all:: image

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

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

image: \$(BSD_LIB)

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

```
install-shlibs install:: $(BSD_LIB)  
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"  
@$(INSTALL_PROGRAM) $(BSD_LIB) \  
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)  
@-$(LDCONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::

```
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

clean::

```
$(RM) -rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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

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Gadi Oxman, August 1995

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```
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```

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```
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1.243 nss 3.36.0-7.el7_5

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PRIMES

1.244 libxmu 1.1.2 2.el7

1.245 unzip 6.0 19.el7

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FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project.

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Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

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Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); 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).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
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```

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The following copyright applies to the Mac OS "macbin3" decoding code (extra field compatibility with ZipIt):

```
* MacBinaryIII.h
```

*
* Copyright 1997 Christopher Evans (cevens@poppybank.com)
*
* Basic encoding and decoding of Macintosh files to the
* MacBinary III spec.
* -----
* This source is copyrighted by Christopher Evans (cevens@poppybank.com)
* (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
* homepage of Leonard Rosenthol leonardr@netcom.com)

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*
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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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- * author and cannot be altered in any way without written consent
- * from Steve P. Miller.

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.

1.246 xml-apis-ext 1.3.04

1.246.1 Available under license :

xml-commons/java/external/README.dom.txt \$Id: README.dom.txt 477038 2006-11-20 04:40:36Z mrglavas \$

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The actual DOM Java Language Binding classes in xml-commons came from:

<http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/java-binding.html>

The specification of DOM Level 3's various parts is at:

- <http://www.w3.org/TR/2004/REC-DOM-Level-3-Core-20040407/>
- <http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/>
- <http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/>

The specification of DOM Level 2's various parts is at:

- <http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/>
- <http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/>
- <http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/>
- <http://www.w3.org/TR/2000/REC-DOM-Level-2-Views-20001113/>

The specification of DOM Level 1's various parts is at:

- <http://www.w3.org/TR/1998/REC-DOM-Level-1-19981001/level-one-html.html>

Links to all available W3C DOM Java Bindings can be found at:

- <http://www.w3.org/DOM/DOMTR>

The actual classes of The Simple API for CSS (SAC) came from:

- <http://www.w3.org/Style/CSS/SAC/>
- <http://www.w3.org/2002/06/sacjava-1.3.zip>

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- <http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/>
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Last revised by Reagle \$Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) \$

1.247 eclipse 3.6.1.v3655c

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1.250 txw2 20110809

1.251 json-java 2.4-jdk15

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- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/xml/JSONTypes.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/PropertyFilter.java
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- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/filters/AndPropertyFilter.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/WebHijackPreventionStrategy.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/JsonConfig.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/regexp/Perl5RegexpMatcher.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/JSONObject.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/CycleDetectionStrategy.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/JSONString.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonValueProcessorMatcher.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonBeanProcessorMatcher.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/NewBeanInstanceStrategy.java
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- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonValueProcessor.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/regexp/RegexpMatcher.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/groovy/JsonGroovyBuilder.java
- * /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/JsonEventListener.java
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* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/filters/CompositePropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/processors/DefaultValueProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/util/WebUtils.java
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* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/processors/PropertyNameProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/filters/NotPropertyFilter.java
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* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/regexp/RegexpUtils.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/filters/OrPropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-jar/net/sf/json/filters/TruePropertyFilter.java
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jar/net/sf/json/processors/PropertyNameProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/util/JSONStringer.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/processors/JsonVerifier.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/util/EnumMorpher.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/xml/XMLSerializer.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/JSONArray.java
* /opt/ws_local/PERMITS_SQL/1068640189_1595381763.56/0/json-lib-2-4-sources-
jar/net/sf/json/filters/FalsePropertyFilter.java

1.252 expat 1.95.8

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1.253 slf4j-log4j 1.6.1

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1.254 attr 2.4.46 13.el7

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1.255 nspr 4.10.8 2.el7_1

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*/

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* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/misc/JTreeStringTemplateModel.java

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/misc/JTreeStringTemplatePanel.java

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/misc/StringTemplateTreeView.java

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```
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/GroupLexer.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/AngleBracketTemplateLexer.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/GroupParserTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/GroupParser.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/ActionEvaluatorTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/ActionLexer.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/DefaultTemplateLexer.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/InterfaceParser.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/ActionParserTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/InterfaceParserTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/ActionEvaluator.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
```

```
jar/org/antlr/stringtemplate/language/InterfaceLexer.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/ActionParser.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/AngleBracketTemplateLexerTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/TemplateParserTokenTypes.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
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```
*/
package org.antlr.stringtemplate.language;
import org.antlr.stringtemplate.*;
import java.io.*;
}

/** A parser used to break up a single template into chunks, text literals
 * and attribute expressions.
 */
class TemplateParser extends Parser;
```

```

{
protected StringTemplate self;

public void reportError(RecognitionException e) {
    StringTemplateGroup group = self.getGroup();
    if ( group==StringTemplate.defaultGroup ) {
        self.error("template parse error; template context is "+self.getEnclosingInstanceStackString(), e);
    }
    else {
        self.error("template parse error in group "+self.getGroup().getName()+" line "+self.getGroupFileLine()+";
template context is "+self.getEnclosingInstanceStackString(), e);
    }
}
}

template[StringTemplate self]
{
    this.self = self;
}

: ( s:LITERAL {self.addChunk(new StringRef(self,s.getText()));}
  | nl:NEWLINE
  {
    if ( LA(1)!=ELSE && LA(1)!=ENDIF ) {
        self.addChunk(new NewlineRef(self,nl.getText()));
    }
  }
  | action[self]
)*
;

action[StringTemplate self]
: a:ACTION
{
    String indent = ((ChunkToken)a).getIndentation();
    ASTExpr c = self.parseAction(a.getText());
    c.setIndentation(indent);
    self.addChunk(c);
}

| i:IF
{
    ConditionalExpr c = (ConditionalExpr)self.parseAction(i.getText());
    // create and precompile the subtemplate
    StringTemplate subtemplate =
        new StringTemplate(self.getGroup(), null);
    subtemplate.setEnclosingInstance(self);
    subtemplate.setName(i.getText()+"_subtemplate");
}

```

```

self.addChunk(c);
}

template[subtemplate] {if ( c!=null ) c.setSubtemplate(subtemplate);}

( ei:ELSEIF
{
  ASTExpr ec = self.parseAction(ei.getText());
  // create and precompile the subtemplate
  StringTemplate elseIfSubtemplate =
    new StringTemplate(self.getGroup(), null);
  elseIfSubtemplate.setEnclosingInstance(self);
  elseIfSubtemplate.setName(ei.getText()+"_subtemplate");
}

template[elseIfSubtemplate]

{if ( c!=null ) c.addElseIfSubtemplate(ec, elseIfSubtemplate);}
)*

( ELSE
{
  // create and precompile the subtemplate
  StringTemplate elseSubtemplate =
  new StringTemplate(self.getGroup(), null);
  elseSubtemplate.setEnclosingInstance(self);
  elseSubtemplate.setName("else_subtemplate");
}

template[elseSubtemplate]
{if ( c!=null ) c.setElseSubtemplate(elseSubtemplate);}
)?

ENDIF

| rr:REGION_REF
{
  // define implicit template and
  // convert <@r(> to <region__enclosingTemplate__r(>
  String regionName = rr.getText();
  String mangledRef = null;
  boolean err = false;
  // watch out for <@super.r(>; that does NOT def implicit region
  // convert to <super.region__enclosingTemplate__r(>
  if ( regionName.startsWith("super.") ) {
    //System.out.println("super region ref "+regionName);
    String regionRef =
      regionName.substring("super.".length(),regionName.length());

```

```

String templateScope =
    self.getGroup().getUnMangledTemplateName(self.getName());
StringTemplate scopeST = self.getGroup().lookupTemplate(templateScope);
if ( scopeST==null ) {
    self.getGroup().error("reference to region within undefined template: "+
        templateScope);
    err=true;
}
if ( !scopeST.containsRegionName(regionRef) ) {
    self.getGroup().error("template "+templateScope+" has no region called "+
        regionRef);
    err=true;
}
else {
    mangledRef =
        self.getGroup().getMangledRegionName(templateScope,regionRef);
    mangledRef = "super."+mangledRef;
}
}
else {
//System.out.println("region ref "+regionName);
StringTemplate regionST =
    self.getGroup().defineImplicitRegionTemplate(self,regionName);
    mangledRef = regionST.getName();
}
}

if ( !err ) {
// treat as regular action: mangled template include
String indent = ((ChunkToken)rr).getIndentation();
ASTExpr c = self.parseAction(mangledRef+"()");
c.setIndentation(indent);
self.addChunk(c);
}
}

| rd:REGION_DEF
{
String combinedNameTemplateStr = rd.getText();
int indexOfDefSymbol = combinedNameTemplateStr.indexOf("::=");
if ( indexOfDefSymbol>=1 ) {
String regionName = combinedNameTemplateStr.substring(0,indexOfDefSymbol);
String template =
    combinedNameTemplateStr.substring(indexOfDefSymbol+3,
        combinedNameTemplateStr.length());
StringTemplate regionST =
    self.getGroup().defineRegionTemplate(self,
        regionName,
        template,

```

```

        StringTemplate.REGION_EMBEDDED);
    // treat as regular action: mangled template include
    String indent = ((ChunkToken)rd).getIndentation();
    ASTExpr c = self.parseAction(regionST.getName()+"()");
    c.setIndentation(indent);
    self.addChunk(c);
}
else {
    self.error("embedded region definition screwed up");
}
}
;

/** Break up an input text stream into chunks of either plain text
 * or template actions in "$..$". Treat IF and ENDIF tokens
 * specially.
 */
class DefaultTemplateLexer extends Lexer;

options {
    k=7; // see "$endif$"
    charVocabulary = '\u0001'..\uFFFE';
}

{
    protected String currentIndent = null;
    protected StringTemplate self;

    public DefaultTemplateLexer(StringTemplate self, Reader r) {
        this(r);
        this.self = self;
    }

    public void reportError(RecognitionException e) {
        self.error("$..$ chunk lexer error", e);
    }

    protected boolean upcomingELSE(int i) throws CharStreamException {
        return LA(i)=='$'&&LA(i+1)=='e'&&LA(i+2)=='l'&&LA(i+3)=='s'&&LA(i+4)=='e'&&
            LA(i+5)=='$';
    }

    protected boolean upcomingENDIF(int i) throws CharStreamException {
        return LA(i)=='$'&&LA(i+1)=='e'&&LA(i+2)=='n'&&LA(i+3)=='d'&&LA(i+4)=='i'&&
            LA(i+5)=='f'&&LA(i+6)=='$';
    }

    protected boolean upcomingAtEND(int i) throws CharStreamException {

```

```

return LA(i)=='$' && LA(i+1)=='@' && LA(i+2)=='e' && LA(i+3)=='n' && LA(i+4)=='d' && LA(i+5)=='$';
}

protected boolean upcomingNewline(int i) throws CharStreamException {
return (LA(i)=='r' && LA(i+1)=='n') || LA(i)=='n';
}
}

```

LITERAL

```

: {LA(1)!='r' && LA(1)!='n'}?
  (options { generateAmbigWarnings=false; }
   {
   int loopStartIndex=text.length();
   int col=getColumn();
   }
  : '\\! '$' // allow escaped delimiter
  | '\\! '\\ // always replace \\ with \
  | '\\ ~'$' // otherwise ignore escape char
  | ind:INDENT
  {
  if ( col==1 && LA(1)=='$' ) {
    // store indent in ASTExpr not in a literal
    currentIndent=ind.getText();
  }
  text.setLength(loopStartIndex); // reset length to wack text
  }
  else currentIndent=null;
  }
  | ~('$|\\r|\\n')
  )+
  {if ((getText().length()==0) {setType(Token.SKIP);}} // pure indent?
;

```

NEWLINE

```

: ('r'? 'n' {newline(); currentIndent=null;}
;

```

ACTION

```

options {
  generateAmbigWarnings=false; // $EXPR$ is ambig with $!..!$
}
{
  int startCol = getColumn();
}
: LINE_BREAK {setType(Token.SKIP);}
| // Match escapes not in a string like <\n\ufe5>
{StringBuffer buf = new StringBuffer(); char uc = '\u0000';
 '$!' (uc=ESC_CHAR {buf.append(uc);})+'$!'
 {setText(buf.toString()); setType(LITERAL);}

```

```

| COMMENT {$setType(Token.SKIP);}
| (
  options {
    generateAmbigWarnings=false; // $EXPR$ is ambig with $endif$ etc...
  }
: '$!' "if" ('!)* "(" IF_EXPR ")" '$!' {$setType(TemplateParser.IF);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an IF
| '$!' "elseif" ('!)* "(" IF_EXPR ")" '$!' {$setType(TemplateParser.ELSEIF);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an IF
| '$!' "else" '$!' {$setType(TemplateParser.ELSE);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an ELSE
| '$!' "endif" '$!' {$setType(TemplateParser.ENDIF);}
  ({startCol==1}? (\r!)? \n! {newline();})? // ignore after ENDIF if on line by itself

| // match @$foo()$ => foo
// match @$foo$...$@end$ => foo::=...
  '$!' '@!' (~('$'|'()')+
  ("()"! '$!' {$setType(TemplateParser.REGION_REF);}
  | '$!'
  {$setType(TemplateParser.REGION_DEF);
  String t=$getText();
  $setText(t+"::=");
  }
  ( options {greedy=true;} : (\r!)? \n! {newline();})?
  {boolean atLeft = false;}
  (
    options {greedy=true;} // handle greedy=false with predicate
    : !(upcomingAtEND(1)||upcomingNewline(1)&&upcomingAtEND(2)))?
    ((\r!)? \n! {newline(); atLeft = true;}
    | . {atLeft = false;}
    )
  )+
  ((\r!)? \n! {newline(); atLeft = true;} )?
  ("@$end$"!
  | . {self.error("missing region "+t+" @$end$ tag");}
  )
  ( {atLeft}? (\r!)? \n! {newline();})?
  )

| '$!' EXPR '$!' // (Can't start with '!', which would mean comment)
)
{
  ChunkToken t = new ChunkToken(_ttype, $getText, currentIndent);
  $setToken(t);
}
;

```

protected


```

EXPR: ( ESC
    | (\r)? \n' {newline();}
    | SUBTEMPLATE
    | ('|+') TEMPLATE
    | ('|+') SUBTEMPLATE
    | ('|+') ~(''|<'|'{'})
    | ~'$'
    )+
;

```

protected

TEMPLATE

```

: "" ( ESC | ~"" )* ""
| "<<"
    (options {greedy=true};(\r!)?\n! {newline();})? // consume 1st \n
    ( options {greedy=false;} // stop when you see the >>
    : {LA(3)==>'&&LA(4)==>'? \r! \n! {newline();} // kill last \r\n
    | {LA(2)==>'&&LA(3)==>'? \n! {newline();} // kill last \n
    | (\r)? \n' {newline();} // else keep
    | .
    )*
    ">>"
;

```

protected

IF_EXPR:(ESC

```

    | (\r)? \n' {newline();}
    | SUBTEMPLATE
    | NESTED_PARENS
    | ~')
    )+
;

```

protected

ESC_CHAR returns [char uc=\u0000]

```

: "\\n"! {uc = \n';}
| "\\r"! {uc = \r';}
| "\\t"! {uc = \t';}
| "\\ " ! {uc = ' ';}
| "\\u"! a:HEX! b:HEX! c:HEX! d:HEX!
    {uc = (char)Integer.parseInt(a.getText()+b.getText()+c.getText()+d.getText(), 16);}
;

```

protected

ESC : \\. // ('\$|'n'|t|'|\"|'|'{'|'})

;

protected

```
HEX : '0'..'9'|'A'..'F'|'a'..'f'
```

```
;
```

```
protected
```

```
SUBTEMPLATE
```

```
: '{ (SUBTEMPLATE|ESC|~)* }'
```

```
;
```

```
protected
```

```
NESTED_PARENS
```

```
: '( (options {greedy=false;}:NESTED_PARENS|ESC|~) )+ )'
```

```
;
```

```
protected
```

```
INDENT
```

```
: ( options {greedy=true;}: ' ' | '\t' )+
```

```
;
```

```
protected
```

```
COMMENT
```

```
{
```

```
int startCol = getColumn();
```

```
}
```

```
: "$!"
```

```
( options {greedy=false;}
```

```
: ('\r)? \n' {newline();}
```

```
| .
```

```
)*
```

```
"!$" ( {startCol==1} ? ('\r)? \n' {newline();} ) ?
```

```
;
```

```
protected
```

```
LINE_BREAK
```

```
: "$\\\$" (INDENT)? ('\r)? \n' {newline();} (INDENT)?
```

```
;
```

Found in path(s):

```
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/template.g
```

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* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/action.g

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/eval.g

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* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/AttributeRenderer.java

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/NewlineRef.java

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-

jar/org/antlr/stringtemplate/StringTemplateErrorListener.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/StringTemplateToken.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/Expr.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/ConditionalExpr.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/StringTemplate.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/ChunkToken.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/StringTemplateGroup.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/StringTemplateWriter.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/StringRef.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/StringTemplateAST.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/AutoIndentWriter.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/NoIndentWriter.java
* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/ASTExpr.java
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```
*/
```

```
package org.antlr.stringtemplate.language;  
import org.antlr.stringtemplate.*;  
import java.util.*;  
}
```

```
/** Match an ST group interface. Just a list of template names with args.
```

```
 * Here is a sample interface file:
```

```
 *
```

```
 * interface nfa;
```

```
 * nfa(states,edges);
```

```
 * optional state(name);
```

```
*/
```

```
class InterfaceParser extends Parser;
```

```
options {
```

```
    k=3;
```

```
}
```

```
{
```

```
protected StringTemplateGroupInterface groupI;
```

```
public void reportError(RecognitionException e) {
```

```
    if ( groupI!=null ) {
```

```
        groupI.error("template group interface parse error", e);
```

```
    }
```

```
    else {
```

```
        System.err.println("template group interface parse error: "+e);
```

```
        e.printStackTrace(System.err);
```

```
    }
```

```
}
```

```
}
```

```
groupInterface[StringTemplateGroupInterface groupI]
```

```
{this.groupI = groupI;}
```

```
: "interface" name:ID {groupI.setName(name.getText());} SEMI
```

```
    ( template[groupI] )+
```

```
;
```

```
template[StringTemplateGroupInterface groupI]
```

```
{
```

```
    LinkedHashMap formalArgs = new LinkedHashMap(); // leave blank if no args
```

```

String templateName=null;
}
: (opt:"optional")? name:ID LPAREN (formalArgs=args)? RPAREN SEMI
{
    templateName = name.getText();
    groupI.defineTemplate(templateName, formalArgs, opt!=null);
}
;

args returns [LinkedHashMap args=new LinkedHashMap()]
: a:ID {args.put(a.getText(), new FormalArgument(a.getText()));}
  ( COMMA b:ID {args.put(b.getText(), new FormalArgument(b.getText()));} ) *
;

class InterfaceLexer extends Lexer;

options {
    k=2;
    charVocabulary = '\u0000'..\uFFFE';
}

ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'-'|'_') *
;

LPAREN: '(';
RPAREN: ')';
COMMA: ',';
SEMI: ';';
COLON: ':';

// Single-line comments
SL_COMMENT
: "//"
  (~('\n'|\r'))* ((\r)? \n)?
  {$setType(Token.SKIP); newline();}
;

// multiple-line comments
ML_COMMENT
: "/*"
  (
    options {
      greedy=false;
    }
    : (\r)? \n' {newline();}
    | .
  )*

```

```

    */"
    {$setType(Token.SKIP);}
;

// Whitespace -- ignored
WS : ( ' '
    | '\t'
    | '\f'
    | ('\r'? '\n' { newline(); }
    )+
    { $setType(Token.SKIP); }
;

```

Found in path(s):

```

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
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```

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```

```

*/
package org.antlr.stringtemplate.language;
import org.antlr.stringtemplate.*;

```

```

import java.io.*;
}

/** Break up an input text stream into chunks of either plain text
 * or template actions in "<...>". Treat IF and ENDIF tokens
 * specially.
 */
class AngleBracketTemplateLexer extends Lexer;

options {
    importVocab=TemplateParser;
    k=7; // see "<endif>"
    charVocabulary = '\u0001'..\uFFFE';
}

{
protected String currentIndent = null;
protected StringTemplate self;

public AngleBracketTemplateLexer(StringTemplate self, Reader r) {
    this(r);
    this.self = self;
}

public void reportError(RecognitionException e) {
    self.error("<...> chunk lexer error", e);
}

protected boolean upcomingELSE(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='e'&&LA(i+2)=='l'&&LA(i+3)=='s'&&LA(i+4)=='e'&&
        LA(i+5)=='>';
}

protected boolean upcomingENDIF(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='e'&&LA(i+2)=='n'&&LA(i+3)=='d'&&LA(i+4)=='i'&&
        LA(i+5)=='f'&&LA(i+6)=='>';
}

protected boolean upcomingAtEND(int i) throws CharStreamException {
    return LA(i)=='<'&&LA(i+1)=='@'&&LA(i+2)=='e'&&LA(i+3)=='n'&&LA(i+4)=='d'&&LA(i+5)=='>';
}

protected boolean upcomingNewline(int i) throws CharStreamException {
    return (LA(i)=='r'&&LA(i+1)=='n')||LA(i)=='n';
}
}
}

```

LITERAL


```

: {LA(1)!=\r'&&LA(1)!=\n'?
  ( options { generateAmbigWarnings=false; }
    {
      int loopStartIndex=text.length();
      int col=getColumn();
    }
  : \\! '<' // allow escaped delimiter
  | \\! '>'
  | \\! '\\' // always replace \\ with \
  | \\ ~('<|>') // otherwise ignore escape char
  | ind:INDENT
    {
      if ( col==1 && LA(1)=='<' ) {
        // store indent in ASTExpr not in a literal
        currentIndent=ind.getText();
      }
      text.setLength(loopStartIndex); // reset length to wack text
    }
    else currentIndent=null;
  }
  | ~('<|\r|\n')
  )+
  {if (($getText).length()==0) {$setType(Token.SKIP);}} // pure indent?
;

protected
INDENT
: ( options { greedy=true; } : ' ' | \t )+
;

NEWLINE
: (\r)? \n {newline(); currentIndent=null;}
;

ACTION
options {
  generateAmbigWarnings=false; // <EXPR> is ambig with <!..!>
}
{
  int startCol = getColumn();
}
: LINE_BREAK {$setType(Token.SKIP);}
| // Match escapes not in a string like <\n\ufea5>
{StringBuffer buf = new StringBuffer(); char uc = '\u0000';
 '<!' (uc=ESC_CHAR {buf.append(uc);} )+>'!
 {$setText(buf.toString()); $setType(LITERAL);}
| COMMENT {$setType(Token.SKIP);}
| (
  options {

```

```

generateAmbigWarnings=false; // $EXPR$ is ambig with $endif$ etc...
}
: '<! "if" ('!)* "(" IF_EXPR "' '>!' {$setType(TemplateParser.IF);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an IF
| '<! "elseif" ('!)* "(" IF_EXPR "' '>!' {$setType(TemplateParser.ELSEIF);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an IF
| '<! "else" '>!' {$setType(TemplateParser.ELSE);}
  ((\r!)? \n! {newline();})? // ignore any newline right after an ELSE
| '<! "endif" '>!' {$setType(TemplateParser.ENDIF);}
  ({startCol==1}? (\r!)? \n! {newline();})? // ignore after ENDIF if on line by itself

| // match <@foo()> => foo
// match <@foo>...<@end> => foo::=...
  '<! '@! (~(>'|'()'+
  ("O"' '>!' {$setType(TemplateParser.REGION_REF);}
  | '>!'
  {
  $setType(TemplateParser.REGION_DEF);
  String t=$getText();
  $setText(t+"::=");
  }
  ( options {greedy=true;} : (\r!)? \n! {newline();})?
  {boolean atLeft = false;}
  (
  options {greedy=true;} // handle greedy=false with predicate
  : {!(upcomingAtEND(1)||upcomingNewline(1)&&upcomingAtEND(2))}?
  ((\r!)? \n! {newline(); atLeft = true;})
  | . {atLeft = false;}
  )
  )+
  ((\r!)? \n! {newline(); atLeft = true;})?
  ("<@end>"!
  | . {self.error("missing region "+t+" <@end> tag");}
  )
  ( {atLeft}? (\r!)? \n! {newline();})?
  )

| '<! EXPR '>!'
)
{
  ChunkToken t = new ChunkToken(_ttype, $getText(), currentIndent);
  $setToken(t);
}
;

protected
EXPR: ( ESC
  | (\r!)? \n! {newline();}

```

```

| SUBTEMPLATE
| ('=|'+) TEMPLATE
| ('=|'+) SUBTEMPLATE
| ('=|'+) ~('"'|<'{'')
| ~>'
)+
;

protected
TEMPLATE
: "" ( ESC | ~"" ) * ""
| "<<"
  (options {greedy=true;}:('\r')?\n! {newline();})? // consume 1st \n
  (options {greedy=false;} // stop when you see the >>
  : {LA(3)==>'&&LA(4)==>'? '\r! \n! {newline();} // kill last \r\n
  | {LA(2)==>'&&LA(3)==>'? '\n! {newline();} // kill last \n
  | ('\r)? \n' {newline();} // else keep
  | .
  ) *
  ">>"
;

protected
IF_EXPR:( ESC
  | ('\r')? \n' {newline();}
  | SUBTEMPLATE
  | NESTED_PARENS
  | ~)'
)+
;

protected
ESC_CHAR returns [char uc=\u0000']
: "\\n"! {uc = \n';}
| "\\r"! {uc = \r';}
| "\\t"! {uc = \t';}
| "\\ " ! {uc = ' ';}
| "\\u"! a:HEX! b:HEX! c:HEX! d:HEX!
  {uc = (char)Integer.parseInt(a.getText()+b.getText()+c.getText()+d.getText(), 16);}
;

// just used to skip stuff (not part of unicode escape stuff)
protected
ESC : '\\ . // (<|>|'n'|t'|"'|\'|:|'{'|'}|'\\')
;

protected
HEX : '0'..'9'|'A'..'F'|'a'..'f'

```

;

protected

SUBTEMPLATE

: '{ (SUBTEMPLATE|ESC|~)* }'

;

protected

NESTED_PARENS

: '(options {greedy=false;}:NESTED_PARENS|ESC|~)+ '

;

protected

COMMENT

{

int startCol = getColumn();

}

: "<!"

(options {greedy=false;}

: ('\r'? '\n' {newline();}

|.

)*

"!>" ({startCol==1}? ('\r'? '\n' {newline();})?

;

protected

LINE_BREAK

: "<\\|>" (INDENT)? ('\r'? '\n' {newline();} (INDENT)?

;

Found in path(s):

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-jar/org/antlr/stringtemplate/language/angle.bracket.template.g

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

header {

/*

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*/

```
package org.antlr.stringtemplate.language;
import org.antlr.stringtemplate.*;
import java.util.*;
}
```

```
/** Match a group of template definitions beginning
 * with a group name declaration. Templates are enclosed
 * in double-quotes or <<...>> quotes for multi-line templates.
 * Template names have arg lists that indicate the cardinality
 * of the attribute: present, optional, zero-or-more, one-or-more.
 * Here is a sample group file:
```

```
group nfa;
```

```
// an NFA has edges and states
```

```
nfa(states,edges) ::= <<
```

```
digraph NFA {
```

```
rankdir=LR;
```

```
<states; separator="\n">
```

```
<edges; separator="\n">
```

```
}
```

```
>>
```

```
state(name) ::= "node [shape = circle]; <name>";
```

*/

```
class GroupParser extends Parser;
```

```
options {
```

```
    k=3;
```

```
}
```

```
{
```

```

protected StringTemplateGroup group;

public void reportError(RecognitionException e) {
    if ( group!=null ) {
        group.error("template group parse error", e);
    }
    else {
        System.err.println("template group parse error: "+e);
        e.printStackTrace(System.err);
    }
}

group[StringTemplateGroup g]
{
    this.group = g;
}
: "group" name:ID {g.setName(name.getText());}
( COLON s:ID {g.setSuperGroup(s.getText());} )?
( "implements" i:ID {g.implementInterface(i.getText());}
  (COMMA i2:ID {g.implementInterface(i2.getText());} )*
)?
SEMI
( template[g] | mapdef[g] )+
;

template[StringTemplateGroup g]
{
    Map formalArgs = null;
    StringTemplate st = null;
    boolean ignore = false;
    String templateName=null;
    int line = LT(1).getLine();
}
: ( AT scope:ID DOT region:ID
  {
    templateName=g.getMangledRegionName(scope.getText(),region.getText());
    if ( g.isDefinedInThisGroup(templateName) ) {
        g.error("group "+g.getName()+" line "+line+": redefinition of template region: @"+
            scope.getText()+"."+region.getText());
        st = new StringTemplate(); // create bogus template to fill in
    }
    else {
        boolean err = false;
        // @template.region() ::= "..."
        StringTemplate scopeST = g.lookupTemplate(scope.getText());
        if ( scopeST==null ) {
            g.error("group "+g.getName()+" line "+line+": reference to region within undefined template: "+

```

```

    scope.getText());
err=true;
}
if ( !scopeST.containsRegionName(region.getText()) ) {
g.error("group "+g.getName()+" line "+line+": template "+scope.getText()+" has no region called "+
region.getText());
err=true;
}
if ( err ) {
st = new StringTemplate();
}
else {
st = g.defineRegionTemplate(scope.getText(),
region.getText(),
null,
StringTemplate.REGION_EXPLICIT);
}
}
}
| name:ID {templateName = name.getText();}
{
if ( g.isDefinedInThisGroup(templateName) ) {
g.error("redefinition of template: "+templateName);
st = new StringTemplate(); // create bogus template to fill in
}
else {
st = g.defineTemplate(templateName, null);
}
}
)
{if ( st!=null ) {st.setGroupFileLine(line);}}
LPAREN
(args[st]){st.defineEmptyFormalArgumentList();}
RPAREN
DEFINED_TO_BE
(t:STRING {st.setTemplate(t.getText());}
| bt:BIGSTRING {st.setTemplate(bt.getText());}
)

| alias:ID DEFINED_TO_BE target:ID
{g.defineTemplateAlias(alias.getText(), target.getText());}
;

args[StringTemplate st]
: arg[st] ( COMMA arg[st] )*
;

arg[StringTemplate st]

```

```

{
StringTemplate defaultValue = null;
}
: name:ID
( ASSIGN s:STRING
{
defaultValue=new StringTemplate("$_val_$");
defaultValue.setAttribute("_val_", s.getText());
defaultValue.defineFormalArgument("_val_");
defaultValue.setName("<" + st.getName() + "'s arg " + name.getText() + " default value subtemplate>");
}
| ASSIGN bs:ANONYMOUS_TEMPLATE
{
defaultValue=new StringTemplate(st.getGroup(), bs.getText());
defaultValue.setName("<" + st.getName() + "'s arg " + name.getText() + " default value subtemplate>");
}
)?
{st.defineFormalArgument(name.getText(), defaultValue);}
;

/*
suffix returns [int cardinality=FormalArgument.REQUIRED]
: OPTIONAL {cardinality=FormalArgument.OPTIONAL;}
| STAR {cardinality=FormalArgument.ZERO_OR_MORE;}
| PLUS {cardinality=FormalArgument.ONE_OR_MORE;}
|
;
*/

mapdef[StringTemplateGroup g]
{
Map m=null;
}
: name:ID
DEFINED_TO_BE m=map
{
if ( g.getMap(name.getText())!=null ) {
g.error("redefinition of map: " + name.getText());
}
else if ( g.isDefinedInThisGroup(name.getText()) ) {
g.error("redefinition of template as map: " + name.getText());
}
else {
g.defineMap(name.getText(), m);
}
}
;

```



```

map returns [Map mapping=new HashMap()]
: LBRACK mapPairs[mapping] RBRACK
;

mapPairs [Map mapping]
: keyValuePair[mapping] (COMMA keyValuePair[mapping])*
  (COMMA defaultValuePair[mapping])?
  | defaultValuePair[mapping]
;

defaultValuePair[Map mapping]
{
StringTemplate v = null;
}
: "default" COLON v=keyValue
  {mapping.put(ASTExpr.DEFAULT_MAP_VALUE_NAME, v);}
;

keyValuePair[Map mapping]
{
StringTemplate v = null;
}
: key:STRING COLON v=keyValue {mapping.put(key.getText(), v);}
;

keyValue returns [StringTemplate value=null]
: s1:BIGSTRING {value = new StringTemplate(group,s1.getText());}
  | s2:STRING {value = new StringTemplate(group,s2.getText());}
  | k:ID {k.getText().equals("key")}?
    {value = ASTExpr.MAP_KEY_VALUE;}
  | {value = null;}
;

class GroupLexer extends Lexer;

options {
k=2;
charVocabulary = '\u0000..\uFFFFE';
testLiterals=false;
}

ID
options {
testLiterals=true;
}
: ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'-'|'_')*
;

```

STRING

```
: ""! ( \\! "" | \\ ~"" | ~"" ) * ""!  
;
```

BIGSTRING

```
: "<<!"  
  (options {greedy=true;}:(\r)?\n! {newline();})? // consume 1st \n  
  (options {greedy=false;} // stop when you see the >>  
  : {LA(3)==>'&&LA(4)==>}? \r! \n! {newline();} // kill last \r\n  
  | {LA(2)==>'&&LA(3)==>}? \n! {newline();} // kill last \n  
  | (\r)? \n! {newline();} // else keep  
  | \\! '>' // \> escape  
  | .  
  ) *  
  ">>!"  
;
```

ANONYMOUS_TEMPLATE

```
{  
List args=null;  
StringTemplateToken t = null;  
}  
: '{!  
  (options {greedy=false;} // stop when you see the >>  
  : (\r)? \n! {newline();} // else keep  
  | \\! '}' // \} escape  
  | .  
  ) *  
  '}'!  
;
```

AT : '@' ;

LPAREN: '(' ;

RPAREN: ')' ;

LBRACK: '[' ;

RBRACK: ']' ;

COMMA: ',' ;

DOT: '.' ;

DEFINED_TO_BE: "::~=" ;

SEMI: ';' ;

COLON: ':' ;

STAR: '*' ;

PLUS: '+' ;

ASSIGN: '=' ;

OPTIONAL : '?' ;

// Single-line comments

```

SL_COMMENT
: "/"
  (~('\n'|\r))* ((\r)? \n)?
  {$setType(Token.SKIP); newline();}
;

```

// multiple-line comments

```

ML_COMMENT
: "/*"
  (
    options {
      greedy=false;
    }
    : (\r)? \n' {newline();}
    | .
  )*
  "*/"
  {$setType(Token.SKIP);}
;

```

// Whitespace -- ignored

```

WS : ( '
  | \t
  | \f
  | (\r)? \n' { newline(); }
)+
  { $setType(Token.SKIP); }
;

```

Found in path(s):

```

* /opt/cola/permits/1136477616_1613772696.75/0/stringtemplate-3-2-1-sources-4-
jar/org/antlr/stringtemplate/language/group.g

```

1.257 net-tools 2.0 0.22.20131004git.el7

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Version 2, June 1991

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```

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```

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

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1.258 sg3-utils 1.37-12.el7

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10th April 2012

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1.261 strace 4.8 11.e17

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1.262 libssh2 1.8.0-3.el7_6.1

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1.263 jsch 0.1.44

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1.264 spring-expression 3.0.7.RELEASE

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```
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```

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```
* // brackets must be in pairs
```

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```
* // Chew on the expression text - relying on the rules
```

```
* case ""
```

```
* case "\"
```

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```

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```

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- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/EvaluationContext.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Projection.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/FunctionReference.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/common/TemplateParserContext.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/TypeConverter.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Selection.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/MethodResolver.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/ExpressionInvocationTargetException.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Indexer.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/BeanReference.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/ConstructorReference.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/IntLiteral.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/TypedValue.java
- * /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/ConstructorResolver.java

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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/InlineList.java
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" +

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* "" for expression starting at character " + prefixIndex + "
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/SpelEvaluationException.java
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Found in path(s):

* * http

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case '[': case '(':

Found in path(s):

* case '{'

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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/SpelParserConfiguration.java

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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/TypeReference.java

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpEQ.java

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/TokenKind.java

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/TypeCode.java

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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/ExpressionException.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Assign.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/CompoundExpression.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/BooleanTypedValue.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/Tokenizer.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/SpelExpression.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/standard/Token.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpAnd.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpModulus.java

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Elvis.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/OpMinus.java

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/ReflectionHelper.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/Ternary.java
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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
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"foo\${expr0}bar\${expr1}". The static

Found in path(s):

* * number of expressions all contained in "\${...}" markers. For instance
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*/
```

Found in path(s):

* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
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case ']:case '):

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* case '}'

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* /opt/cola/permits/1136652293_1613848641.2/0/spring-expression-3-0-7-release-sources-4-jar/org/springframework/expression/spel/ast/AstUtils.java

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1.266 jaxb-core 2.3.0

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

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*/

#ifdef USE_LIB_REGEX

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

/* Definitions for data structures and routines for the regular
expression library, version 0.12.
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1.268 spring-beans 3.1.4.RELEASE

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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-

jar/org/springframework/beans/BeansException.java
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jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/BeanCreationException.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/parsing/BeanComponentDefinition.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/SmartFactoryBean.java
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jar/org/springframework/beans/PropertyMatches.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/ListFactoryBean.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/MapFactoryBean.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/PropertyAccessorFactory.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/Scope.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/support/GenericBeanDefinition.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/access/el/SimpleSpringBeanELResolver.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-

jar/org/springframework/beans/factory/BeanExpressionException.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/annotation/AnnotationBeanUtils.java
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jar/org/springframework/beans/factory/UnsatisfiedDependencyException.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/parsing/ParseState.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/support/SimpleBeanDefinitionRegistry.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/access/el/SpringBeanELResolver.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/support/ArgumentConvertingMethodInvoker.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/support/BeanDefinitionResource.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/factory/support/ReplaceOverride.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
jar/org/springframework/beans/propertyeditors/CharacterEditor.java
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jar/org/springframework/beans/factory/annotation/CustomAutowireConfigurer.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/BeanMetadataAttribute.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/BeanMetadataAttributeAccessor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/config/RuntimeBeanReference.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/support/BeanDefinitionValidationException.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/parsing/ReaderContext.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/support/MutableSortDefinition.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/support/MethodOverride.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/config/RuntimeBeanNameReference.java

* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-
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jar/org/springframework/beans/factory/BeanIsNotAFactoryException.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/BeanNameAware.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/BeanFactory.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/config/PlaceholderConfigurerSupport.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/propertyeditors/CustomNumberEditor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/DirectFieldAccessor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/propertyeditors/StringTrimmerEditor.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/annotation/RequiredAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessor.java
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* /opt/cola/permits/1136045563_1613665016.46/0/spring-beans-3-1-4-release-sources-1-jar/org/springframework/beans/propertyeditors/InputSourceEditor.java

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1.270 multipath-tools 0.4.9-111.el7

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1.271 cxf-rt-transport-http 2.7.14

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1.272 nfs-utils 1.3.0 0.61.el7

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- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/DelegatingCallableStatement.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/BasicDataSource.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/datasources/SharedPoolDataSource.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/PoolablePreparedStatement.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/PoolingDataSource.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/SQLNestedException.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-jar/org/apache/commons/dbcp/datasources/InstanceKeyObjectFactory.java
- * /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-

jar/org/apache/commons/dbcp/ConnectionFactory.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/AbandonedConfig.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
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jar/org/apache/commons/dbcp/datasources/PerUserPoolDataSource.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/DataSourceConnectionFactory.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/AbandonedTrace.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
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* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/cpdsadapter/PooledConnectionImpl.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/PoolableConnection.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/DelegatingPreparedStatement.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/cpdsadapter/PoolablePreparedStatementStub.java
* /opt/cola/permits/1136045037_1613665206.23/0/commons-dbc-1-2-1-sources-1-
jar/org/apache/commons/dbcp/datasources/PerUserPoolDataSourceFactory.java

1.274 librabbitmq 0.7.1

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1.275 coreutils 8.22

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```
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```

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1.276 cxf-rt-databinding-sdo 2.7.14

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1.278 libpcap 1.5.3

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```
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> .

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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 `dehypht.tex' (for TeX), which can be found at

<http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex>
<http://dante.ctan.org/CTAN/language/hyphenation/dehypht.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

<http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz> .

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

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

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

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

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

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

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

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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#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.285 findutils 4.5.11 5.e17

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-->

<!-- \$Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp \$ -->

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

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

```
<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">
  <xsl:text>
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    purpose with or without fee is hereby granted, provided that the above
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```

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```
</xsl:text>
</xsl:variable>
```

```
<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
      <xsl:text> </xsl:text>
    </xsl:for-each>
  </xsl:call-template>
</xsl:variable>
```

```
<xsl:text>#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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```

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clarify this fact.

* `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>

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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1.289 boost 1.53.0 27.el7

1.289.1 Available under license :

```
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<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.77.1">
<link rel="home" href="index.html" title="Chapter#160;1.&#160;Boost.TypeTraits">
<link rel="up" href="index.html" title="Chapter#160;1.&#160;Boost.TypeTraits">
<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsics">
<link rel="next" href="examples.html" title="Examples">
</head>
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
<table cellpadding="2" width="100%"><tr>
<td valign="top"></td>
<td align="center"><a href="index.html">Home</a></td>
<td align="center"><a href="../../libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
<td align="center"><a href="../../more/index.htm">More</a></td>
</tr></table>
<hr>
<div class="spirit-nav">
<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="index.html"></a><a accesskey="h"
href="index.html"></a><a accesskey="n"
href="examples.html"></a>
</div>
<div class="section boost_typetraits_mpl">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typetraits_mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
```

All the value based traits in this library conform to MPL's requirements for

[Integral Constant type](../../../../libs/mpl/doc/refmanual/integral-constant.html): that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `true_type` inherits from `boost::mpl::true_`, `false_type` inherits from `boost::mpl::false_`, and `integral_constant` inherits from `boost::mpl::integral_c` (provided `T` is not `bool`)

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```
</div>
</body>
</html>
```

```
[=====
Boost.Geometry (aka GGL, Generic Geometry Library)
```

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```
=====/]
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]
```

Maybe this should pass?

```
<?xml version="1.0" encoding="utf-8"?>
```

```
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      (See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE\_1\_0.txt)
-->
```

```
<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../index.htm">
  <imagedata align="left"
    format="GIF"
    fileref="../../boost.png"
    alt="C++ Boost" />
</ulink>-->
<!--hr /-->
<para>
  The following is the overall license for the boost date_time
  library. This notice is found in all source files related to the
  library.
</para>
<para>
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```

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</para>

<!--hr / -->

<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
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</section>

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 Dossier (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to non-IBM 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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--- end ---

////////////////////////////////////

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//

// See <http://www.boost.org/libs/interprocess> for documentation.

//

////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)

pragma once

#endif

#include <cstddef>

namespace boost {

namespace interprocess {

namespace ipcdetail {

template <class T, T val>

struct integral_constant

{

static const T value = val;

typedef integral_constant<T,val> type;

};

```

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>    true_;
typedef bool_<false>  false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
    , typename T1
    , typename T2

```

```

>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

```

```

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

```

```

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

```

```

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

```

```

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

```

```

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

```

```

=====
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```

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```

```

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The default copyright note for C++ source files reads:

```

```

// Boost.Geometry (aka GGL, Generic Geometry Library)

```

```

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```

```

// Parts of Boost.Geometry are redesigned from Geodan's Geographic Library
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```

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- implemented file-format e.g. WKB
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Index: boost/mpl/print.hpp

```
=====
--- boost/mpl/print.hpp (revision 83411)
+++ boost/mpl/print.hpp (working copy)
@@ -45,22 +45,21 @@
     : mpl::identity<T>
#if defined(__MWERKS__)
    , aux::print_base
-#endif
+#endif
{
#if defined(BOOST_MSVC)
    enum { n = sizeof(T) + -1 };
#elif defined(__MWERKS__)
    void f(int);
-#else
-   enum {
-       n =
-# if defined(__EDG_VERSION__)
-       aux::dependent_unsigned<T>::value > -1
-# else
-       sizeof(T) > -1
-# endif
-   };
-#endif
+#elif defined(__EDG_VERSION__)
+   enum { n = aux::dependent_unsigned<T>::value > -1 };
+#elif defined(BOOST_GCC)
+   enum { n1 };
+   enum { n2 };
+   enum { n = n1 != n2 };
+#else
```



```

typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
public:
    enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
};

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<

```

```

    typename T1
    , typename T2
    >
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
    >
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
// : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    { return x.first; }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    { return x; }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>

```



```

struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

template <typename T> struct unvoid { typedef T type; };
template <> struct unvoid<void> { struct type { }; };
template <> struct unvoid<const void> { struct type { }; };

} //namespace container_detail {
} //namespace container {
} //namespace boost {

#endif //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
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<year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
[article Invalid copyright years
[quickbook 1.5]
[copyright 2010-2001 Timequake man]
]
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```

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//

// See <http://www.boost.org/libs/intrusive> for documentation.

//

////////////////////////////////////

```
#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

```
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

```
#include <boost/intrusive/detail/config_begin.hpp>
```

```
#include <cstddef>
```

```
namespace boost {
```

```
namespace intrusive {
```

```
namespace detail {
```

```
typedef char one;
```

```
struct two { one _[2];};
```

```

template< bool C_>
struct bool_
{
    static const bool value = C_;
};

typedef bool_<true>    true_;
typedef bool_<false>   false_;

typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T>{};

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static const T &trigger();
public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

```

```

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename C
    , typename T1
    , typename T2
>
struct if_
{
    typedef typename if_c<0 != C::value, T1, T2>::type type;
};

template<
    bool C
    , typename F1
    , typename F2
>
struct eval_if_c
    : if_c<C,F1,F2>::type
{};

template<
    typename C
    , typename T1
    , typename T2
>
struct eval_if
    : if_c<C,T1,T2>::type
{};

// identity is an extension: it is not part of the standard.

```

```

template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) &&
!defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{ static const bool value = false; };

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)()>
{ static const bool value = true; };

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(&...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)()>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)()>
{ static const bool value = true; };

#endif

#endif

template <typename R>

```

```

struct is_unary_or_binary_function_impl<R (__cdecl*)(>
{ static const bool value = true; };

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)>
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{ static const bool value = true; };

#endif

#endif

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0...)>
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

```

```

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{ static const bool value = true; };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{ static const bool value = true; };

#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1)>
{ static const bool value = true; };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{ static const bool value = true; };
#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&&>
{ static const bool value = false; };

template<typename T>
struct is_unary_or_binary_function
{ static const bool value = is_unary_or_binary_function_impl<T>::value; };

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
    char c;

```

```

    T t;
    alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template <typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };
};

template <typename V>
static yes_type is_same_tester(V*, V*);
static no_type is_same_tester(...);

static T *t;
static U *u;

static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{ typedef const T type; };

template<typename T>
struct remove_const
{ typedef T type; };

template<typename T>
struct remove_const<const T>

```



```

{ typedef T type; };

template<typename T>
struct remove_cv
{ typedef T type; };

template<typename T>
struct remove_cv<const T>
{ typedef T type; };

template<typename T>
struct remove_cv<const volatile T>
{ typedef T type; };

template<typename T>
struct remove_cv<volatile T>
{ typedef T type; };

template<class T>
struct remove_reference
{
    typedef T type;
};

template<class T>
struct remove_reference<T&>
{
    typedef T type;
};

template<class Class>
class is_empty_class
{
    template <typename T>
    struct empty_helper_t1 : public T
    {
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    { int i[256]; };

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>

```

```

struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

```

```

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

```

```

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

```

```

} //namespace detail
} //namespace intrusive
} //namespace boost

```

```
#include <boost/intrusive/detail/config_end.hpp>
```

```
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

```
[/
```

```

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```

```
]
```

```
[section:mpl MPL Interoperability]
```

All the value based traits in this library conform to MPL's requirements for an [\[@../.../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type\]](#): that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from [\[@../.../libs/mpl/doc/refmanual/bool.html `boost::mpl::true_`\]](#), `__false_type` inherits from [\[@../.../libs/mpl/doc/refmanual/bool.html `boost::mpl::false_`\]](#), and `__integral_constant<T, v>` inherits from [\[@../.../libs/mpl/doc/refmanual/integral-c.html `boost::mpl::integral_c<T,v>`\]](#) (provided `T` is not `bool`)

```
[endsect]
```

```
[/
```

```
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```

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```
]
/*
 *
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 * LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE\_1\_0.txt)
 *
 */
```

```
#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=\"" << (p.root / p.file).string() << "\">" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
```

```

std::string result;
for(unsigned i = 0; i < s.size(); ++i)
{
    result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
}
return result;
}

```

```

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.";
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
        "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 Transitional//EN\">\n"
        "<html>\n"
        "<head>\n"
        "<title>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</title>\n"
        "</head>\n"
        "<body>\n"
        "<H1>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</H1>\n"
        "<H2>Contents</h2>\n"
        "<pre><a href=\"#input\">Input Information</a>\n";
}

```

```

if(!m_bsl_summary_mode)
    os << "<a href=\#summary\>Licence Summary</a>\n";
os << "<a href=\#details\>Licence Details</a>\n";

while(i != j)
{
    // title:
    os << " <A href=\#" << make_link_target(licenses.first[i->first].license_name)
        << "\>" << licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href=\#files\>Files with no recognised license</a>\n"
    "<a href=\#authors\>Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
        "Moving to the Boost Software License...\n"
        " <a href=\#bsl-converted\>Files that can be automatically converted to the Boost Software License</a>\n"
        " <a href=\#to-bsl\>Files that can be manually converted to the Boost Software License</a>\n"
        " <a href=\#not-to-bsl\>Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
        " <a href=\#need-bsl-authors\>Authors we need to move to the Boost Software License</a>\n"
        "<a href=\#copyright\>Copyright Holder Information</a>\n";
}
os <<
    "<a href=\#depend\>File Dependency Information</a>\n"
    "</pre>";

//
// input Information:
//
os << "<a name=\input\></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>";
    ++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous

```

```

// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[:blank:]*#[[:blank:]]*define[:blank:]+BOOST_VERSION[:blank:]+(\\d+)");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex)
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
<< "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:
    //
    os << "<a name=\"summary\"></a><h2>Licence Summary</h2>\n";
    while(i != j)
    {
        // title:
        os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size()
            << " authors and " << i->second.files.size()
            << " files <a href=\"#\" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
        os << "</P></BLOCKQUOTE>\n";
        ++i;
    }
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
while(i != j)
{

```

```

// title:
os <<
  "<H3><A name=\"\" << make_link_target(licenses.first[i->first].license_name)
  << "\"></a>" << licenses.first[i->first].license_name << "</H3>\n";
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
  // Copyright holders:
  os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
  std::set<std::string>::const_iterator x, y;
  x = i->second.authors.begin();
  y = i->second.authors.end();
  while(x != y)
  {
    os << *x << "<BR>\n";
    ++x;
  }
  os << "</P></BLOCKQUOTE>\n";
  // Files using this license:
  os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
  std::set<fs::path, path_less>::const_iterator m, n;
  m = i->second.files.begin();
  n = i->second.files.end();
  while(m != n)
  {
    os << split_path(m_boost_path, *m) << "<br>\n";
    ++m;
  }
  os << "</P></BLOCKQUOTE>\n";
}
else
{
  os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n"
  "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\n";
  std::set<fs::path, path_less>::const_iterator i2, j2;

```

```

i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    //
    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.
    //
    os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
        << "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
            ::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
            ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
                << "</tt><br>\n<table border=\"1\">\n <tr>\n <td><pre>"
                << i->second.first << "</pre></td>\n <td><pre>"
                << i->second.second << "</pre></td>\n </tr>\n</table>\n";
            ++i;
            ++file_num;
        }
    }
}

```



```

    }
}
//
// Output list of files that could be moved over to the Boost Software License
//
os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
"<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost
Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software
License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
          std::ostream_iterator<std::string>(os, "<br>\n"));
os << "</p></BLOCKQUOTE>";
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();

```

```

while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
    os << "</td></tr>\n";
    ++ad;
}
os << "</table>\n";
}

//
// output file dependency information:
//
os << "<H2><a name='\"depend\"'></a>File Dependency Information</H2><BLOCKQUOTE><pre>\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{

```

```

os << split_path(m_boost_path, *fi);
dep = m_dependencies.find(*fi);
last_dep = m_dependencies.end();
std::set<fs::path, path_less> seen_deps;
if (dep != last_dep)
while(true)
{
os << " -> ";
if(fs::exists(m_boost_path / dep->second))
os << split_path(m_boost_path, dep->second);
else if(fs::exists(dep->second))
os << split_path(fs::path(), dep->second);
else
os << dep->second.string();
if(seen_deps.find(dep->second) != seen_deps.end())
{
os << " <I>(Circular dependency!)</I>";
break; // circular dependency!!!
}
seen_deps.insert(dep->second);
last_dep = dep;
dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
break;
}
os << "\n";
++fi;
}
os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>\n";

if(!os)
{
std::string msg("Error writing to ");
msg += m_dest_path.string();
msg += ".";
std::runtime_error e(msg);
boost::throw_exception(e);
}
}

```

1.290 lua 5.1.4 15.el7

1.290.1 Available under license :

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=====

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1.291 xfsprogs 4.5.0 18.el7

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This package was debianized by Nathan Scott nathans@debian.org on
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1.292 msv-core 2011.1

1.293 cxf-rt-databinding-jaxb 2.7.14

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```

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```

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1.295 xmltooling 1.3.4

1.296 json-lib 2.4-jdk15

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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/util/WebUtils.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/processors/PropertyNameProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/regexp/RegexpMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/util/CycleDetectionStrategy.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/JSONFunction.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/util/JSONUtils.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/processors/DefaultValueProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/util/JavaIdentifierTransformer.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/processors/DefaultDefaultValueProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-
jar/net/sf/json/filters/TruePropertyFilter.java
```

* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JsonConfig.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/NewBeanInstanceStrategy.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONObject.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/xml/JSONTypes.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/WebHijackPreventionStrategy.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/regexp/RegexpUtils.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsDateJsonValueProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/test/JSONAssert.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/AbstractJSON.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/PropertySetStrategy.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonValueProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/MappingPropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONException.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONString.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONSerializer.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/regexp/JdkRegexpMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSON.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/JSONTokener.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/JSONStringer.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONArray.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/groovy/JsonGroovyBuilder.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonBeanProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/NotPropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/PropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonBeanProcessor.java

* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/AndPropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonValueProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/OrPropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/regexp/Perl5RegexpMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/JSONNull.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/xml/XMLSerializer.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsonVerifier.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/JSONBuilder.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/PropertyExclusionClassMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/EnumMorpher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/FalsePropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/util/JsonEventListener.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/JsDateJsonBeanProcessor.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/DefaultValueProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/filters/CompositePropertyFilter.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/processors/PropertyNameProcessorMatcher.java
* /opt/ws_local/PERMITS_SQL/1068640137_1595345792.71/0/json-lib-2-4-sources-jar/net/sf/json/groovy/JsonSlurper.java

1.297 activemq-openwire-legacy 5.8.0

1.297.1 Available under license :

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Files: lib/libcrypto/liblswcrypto/cryptodev.c

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hw_cryptodev.c, openssl package:

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ipsec_doi.c, libreswan package:

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Files: linux/include/libreswan/pfkeyv2.h

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Makefile for miscellaneous programs

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#

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PROGRAM=_realsetup

PROGRAMOBJDIR=_realsetup.bsd

ifdef top_srcdir

include \$(top_srcdir)/mk/program.mk

else

include ../mk/program.mk

endif

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```
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```
\ " t
.\" Title: _REALSETUP
.\" Author: Paul Wouters
.\" Generator: DocBook XSL Stylesheets v1.77.1 <http://docbook.sf.net/>
.\" Date: 12/16/2012
.\" Manual: Executable programs
```

```

.\" Source: libreswan
.\" Language: English
.\"
.TH "_REALSETUP" "8" "12/16/2012" "libreswan" "Executable programs"
.\" -----
.\" * Define some portability stuff
.\" -----
.\" ~~~~~
.\" http://bugs.debian.org/507673
.\" http://lists.gnu.org/archive/html/groff/2009-02/msg00013.html
.\" ~~~~~
.ie \n(.g .ds Aq \(aq
.el      .ds Aq '
.\" -----
.\" * set default formatting
.\" -----
.\" disable hyphenation
.nh
.\" disable justification (adjust text to left margin only)
.ad l
.\" -----
.\" * MAIN CONTENT STARTS HERE *
.\" -----
.SH "NAME"
ipsec__realsetup \- internal routine to start FreeS/WAN\&.
.SH "DESCRIPTION"
.PP
\fI_realsetup\fR
is called by the system init scripts to start the FreeS/WAN system\&. It starts
\fBKLIPS\fR
(the kernel component) and
\fBpluto\fR
(the userspace keying component)\&.
.SH "SEE ALSO"
.PP
\fBipsec\fR(8),
\fBipsec__klipsstart\fR(8),
\fBipsec__plutorun\fR(8)\&.
.SH "HISTORY"
.PP
Man page written for the Linux FreeS/WAN project <http://www.freeswan.org/> by
Michael Richardson\&. Original program by Henry Spencer\&.
.SH "AUTHOR"
.PP
\fBPaul Wouters\fR
.RS 4
placeholder to suppress warning
.RE

```

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE refentry PUBLIC "-//OASIS//DTD DocBook XML V4.1.2//EN"
    "http://www.oasis-open.org/docbook/xml/4.1.2/docbookx.dtd">
<!-- lifted from troff+man by doclifter -->
<refentry>
<refentryinfo>
  <author><firstname>Paul</firstname><surname>Wouters</surname><authorblurb><para>placeholder to suppress
warning</para> </authorblurb></author>
</refentryinfo>
<refmeta>
<refentrytitle>_REALSETUP</refentrytitle>
<manvolnum>8</manvolnum>
<refmiscinfo class='date'>25 Apr 2002</refmiscinfo>
<refmiscinfo class="source">libreswan</refmiscinfo>
<refmiscinfo class="manual">Executable programs</refmiscinfo>
</refmeta>
<refnamediv id='name'>
<refname>ipsec _realsetup</refname>
<refpurpose>internal routine to start FreeS/WAN.</refpurpose>
</refnamediv>
```

<!-- body begins here -->

<refsect1 id='description'><title>DESCRIPTION</title>

<para><emphasis remap='I'>_realsetup</emphasis>
is called by the system init scripts to start the FreeS/WAN
system. It starts

<emphasis remap='B'>KLIPS</emphasis>

(the kernel component) and

<emphasis remap='B'>pluto</emphasis>

(the userspace keying component).</para>

</refsect1>

<refsect1 id='see_also'><title>SEE ALSO</title>

<para><citerefentry><refentrytitle>ipsec</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__klipsstart</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__plutorun</refentrytitle><manvolnum>8</manvolnum></citerefentry>.</para>

</refsect1>

<refsect1 id='history'><title>HISTORY</title>

<para>Man page written for the Linux FreeS/WAN project <<ulink
url='http://www.freeswan.org/'>http://www.freeswan.org/</ulink>>
by Michael Richardson. Original program by Henry Spencer.</para>

</refsect1>

</refentry>

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1.301 java-api 1.1

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Mesa 3-D graphics library

Version: 7.0

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1.308 tftp-hpa 0.29

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* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftpd/remap.c
* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftpd/remap.h
* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftpd/recvfrom.h
* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-
```

gz/Distrotech-tftp-hpa-f603e8d/tftpd/tftpd.h

* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftpd/recvfrom.c

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

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 * /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftp/main.c
 * /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftp/tftpsubs.c

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* /opt/ws_local/PERMITS_SQL/1066869420_1596587302.06/0/distrotech-tftp-hpa-tftp-hpa-0-29-0-gd849153-tar-gz/Distrotech-tftp-hpa-f603e8d/tftp/tftp.1.in

```

1.309 dmidecode 3.5

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1.316 webservices-tools 2.1-b16

1.317 spring-context 3.0.7.RELEASE

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```
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jar/org/springframework/validation/BindingResult.java
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jar/org/springframework/scheduling/annotation/AsyncResult.java
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jar/org/springframework/remoting/support/SimpleHttpServerFactoryBean.java
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jar/org/springframework/scheduling/concurrent/ScheduledExecutorTask.java
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jar/org/springframework/context/event/SmartApplicationListener.java
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jar/org/springframework/ui/ModelMap.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
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jar/org/springframework/context/LifecycleProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
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jar/org/springframework/ui/Model.java
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jar/org/springframework/context/event/GenericApplicationListenerAdapter.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/ejb/interceptor/SpringBeanAutowiringInterceptor.java

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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/format/FormatterRegistry.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/annotation/Bean.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/validation/DirectFieldBindingResult.java

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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/support/DelegatingMessageSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/remoting/support/RemoteInvocation.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jndi/JndiCallback.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/remoting/support/RemoteAccessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/config/PropertyOverrideBeanDefinitionParser.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/ejb/access/LocalSlsbInvokerInterceptor.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/metadata/ManagedOperation.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/assembler/SimpleReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/i18n/LocaleContext.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/ApplicationEventPublisher.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-

jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/naming/SelfNaming.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/ui/context/support/DelegatingThemeSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/ assembler/MBeanInfoAssembler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/MessageCodesResolver.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/annotation/ManagedOperation.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/MessageSourceAware.java
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*/

/**

* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
* reference through WebSphere's proprietary `AdminServiceFactory` API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the `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 com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
* @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/
```

Found in path(s):

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/access/DefaultLocatorFactory.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/support/MessageSourceAccessor.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/ui/context/HierarchicalThemeSource.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/HierarchicalMessageSource.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/access/ContextBeanFactoryReference.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/NoSuchMessageException.java
```

```
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jndi/JndiTemplateEditor.java
```

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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/support/AbstractApplicationContext.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/scheduling/TaskScheduler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/ assembler/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/expression/StandardBeanExpressionResolver.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jndi/JndiObjectTargetSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jndi/JndiObjectLocator.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/support/AbstractMessageSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/scheduling/support/CronSequenceGenerator.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/MessageSourceResolvable.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/context/expression/MapAccessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/jmx/export/ assembler/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-

jar/org/springframework/format/number/NumberFormatter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/format/number/PercentFormatter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jndi/IndiObjectFactoryBean.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/expression/BeanExpressionContextAccessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/instrument/classloading/InstrumentationLoadTimeWeaver.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
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jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/AbstractPropertyBindingResult.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/format/number/CurrencyFormatter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/format/datetime/joda/JodaTimeContextHolder.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
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jar/org/springframework/context/annotation/ConfigurationClassMethod.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/expression/BeanFactoryResolver.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-

jar/org/springframework/context/support/MessageSourceSupport.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/EmbeddedValueResolverAware.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/access/MBeanClientInterceptor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jndi/JndiLocatorSupport.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/validation/DefaultBindingErrorProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/annotation/Scheduled.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jmx/export/ assembler/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/context/support/StaticMessageSource.java
* /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-
jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java
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- * /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/instrument/classloading/oc4j/OC4JClassLoaderAdapter.java
- * /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/instrument/classloading/jboss/JBossTranslatorAdapter.java
- * /opt/cola/permits/1136652810_1613848827.4/0/spring-context-3-0-7-release-sources-3-jar/org/springframework/instrument/classloading/jboss/JBossClassLoaderAdapter.java

1.318 libjpeg 1.2.90-6.el7

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 * rdswitch.c
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 * 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
 */
```

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- ```
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 * 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.
*/

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/transupp.h

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Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jimxint.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfss2int.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfss2int-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2int.asm

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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdtrans.c

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

/*

* jinclude.h

*

* Copyright (C) 1991-1994, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file exists to provide a single place to fix any problems with

* including the wrong system include files. (Common problems are taken

* care of by the standard jconfig symbols, but on really weird systems

* you may have to edit this file.)

*

* NOTE: this file is NOT intended to be included by applications using the

* JPEG library. Most applications need only include jpeglib.h.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jinclude.h

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

/*

* jidctflt.c

*

* Copyright (C) 1994-1998, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains a floating-point implementation of the

* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine

* must also perform dequantization of the input coefficients.

*

* This implementation should be more accurate than either of the integer

* IDCT implementations. However, it may not give the same results on all

* machines because of differences in roundoff behavior. Speed will depend

* on the hardware's floating point capacity.

*

* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT

* on each row (or vice versa, but it's more convenient to emit a row at

* a time). Direct algorithms are also available, but they are much more

* complex and seem not to be any faster when reduced to code.

*
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point
 * implementation, accuracy is lost due to imprecise representation of the
 * scaled quantization values. However, that problem does not arise if
 * we use floating point arithmetic.
 */

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctflt.c

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

/*
 * jdmerge.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains code for merged upsampling/color conversion.
 *
 * This file combines functions from jdsample.c and jdcolor.c;
 * read those files first to understand what's going on.
 *
 * When the chroma components are to be 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
 * $R = Y + K1 * Cr$
 * $G = Y + K2 * Cb + K3 * Cr$
 * $B = Y + K4 * Cb$
 * only the Y term varies among the group of pixels corresponding to a pair
 * of chroma samples, so the rest of the terms can be calculated just once.
 * At typical sampling ratios, this eliminates half or three-quarters of the

- * multiplications needed for color conversion.
- *
- * This file currently provides implementations for the following cases:
- * YCbCr => RGB color conversion only.
- * Sampling ratios of 2h1v or 2h2v.
- * No scaling needed at upsample time.
- * Corner-aligned (non-CCIR601) sampling alignment.
- * Other special cases could be added, but in most applications these are
- * the only common cases. (For uncommon cases we fall back on the more
- * general code in jdsample.c and jdcolor.c.)
- */

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmerge.c

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

```
{\rtf1\ansi\ansicpg1252\cocoartf1038\cocoasubrtf360
{\fonttbl{\f0\fswiss\fcharset0 Helvetica;}
{\colortbl;\red255\green255\blue255;}
\margl1440\margr1440\vieww26380\viewh15840\viewkind0
\defstab720
\pard\pardefstab720\ql\qnatural
```

\f0\fs24 \cf0 libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.\

\

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and\

big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.\

\

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.\

}

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/ReadMe.rtf

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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatadst.c

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

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; for more details.

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfss2fst.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2fst-64.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfmmxfst.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jimxfst.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2fst.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfss2fst-64.asm

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

/*

* wrjpgcom.c

*

* Copyright (C) 1994-1997, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains a very simple stand-alone application that inserts

- * user-supplied text as a COM (comment) marker in a JFIF file.
- * This may be useful as an example of the minimum logic needed to parse
- * JPEG markers.
- */

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrjpgcom.c

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

/*

* jdapistd.c

*

* 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 application interface code for the decompression half

* of the JPEG library. These are the "standard" API routines that are

* used in the normal full-decompression case. They are not used by a

* transcoding-only application. Note that if an application links in

* jpeg_start_decompress, it will end up linking in the entire decompressor.

* We thus must separate this file from jdapimin.c to avoid linking the

* whole decompression library into a transcoder.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdapistd.c

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

/*

* jutils.c

*

* Copyright (C) 1991-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains tables and miscellaneous utility routines needed

* for both compression and decompression.

* Note we prefix all global names with "j" to minimize conflicts with

* a surrounding application.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-

turbo-1.2.90/jutils.c

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 stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed RLE format).
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */
```

Found in path(s):

`/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdrle.c`

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

```
/*
 * jmemsys.h
 *
 * Copyright (C) 1992-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This include file defines the interface between the system-independent
 * and system-dependent portions of the JPEG memory manager. No other
 * modules need include it. (The system-independent portion is jmemmgr.c;
 * there are several different versions of the system-dependent portion.)
 *
 * This file works as-is for the system-dependent memory managers supplied
 * in the IJG distribution. You may need to modify it if you write a
 * custom memory manager. If system-dependent changes are needed in
 * this file, the best method is to #ifdef them based on a configuration
 * symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
 * and USE_MAC_MEMMGR.
 */
```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmehsys.h

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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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 `jmorcfcg.h`. (You can also change the RGB pixel layout, say to B,G,R order, by modifying `jmorcfcg.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

```
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler;

that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

```
image_width  Width of image, in pixels
image_height Height of image, in pixels
input_components Number of color channels (samples per pixel)
in_color_space Color space of source image
```

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special

color spaces", later, for more info.) The `in_color_space` field must be assigned one of the `J_COLOR_SPACE` enum constants, typically `JCS_RGB` or `JCS_GRAYSCALE`.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling `jpeg_set_defaults()`; then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set `in_color_space` correctly before calling `jpeg_set_defaults()`, because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call `jpeg_start_compress()`. There's no harm in calling `jpeg_set_defaults()` more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```
cinfo.image_width = Width; /* image width and height, in pixels */
cinfo.image_height = Height;
cinfo.input_components = 3; /* # of color components per pixel */
cinfo.in_color_space = JCS_RGB; /* colorspace of input image */
```

```
jpeg_set_defaults(&cinfo);
/* Make optional parameter settings here */
```

4. `jpeg_start_compress(...)`;

After you have established the data destination and set all the necessary source image info and other parameters, call `jpeg_start_compress()` to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

```
jpeg_start_compress(&cinfo, TRUE);
```

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called `jpeg_start_compress()`, you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)

```
jpeg_write_scanlines(...);
```

Now write all the required image data by calling `jpeg_write_scanlines()` one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application `cjpeg`.

The library maintains a count of the number of scanlines written so far in the `next_scanline` field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "`while (cinfo.next_scanline < cinfo.image_height)`".

Code for this step depends heavily on the way that you store the source data. `example.c` shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

```
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()`. (See "Compressed data handling", below, for more about that.)

`jpeg_destroy()` and `jpeg_abort()` are the only safe calls to make on a JPEG object that has reported an error by calling `error_exit` (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details

Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

This is just like initialization for compression, as discussed above, except that the object is a "`struct jpeg_decompress_struct`" and you call `jpeg_create_decompress()`. Error handling is exactly the same.

Typical code:

```
struct jpeg_decompress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_decompress(&cinfo);
```

(Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

```
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


```
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:

```
jpeg_finish_decompress(&cinfo);
```

If using the `stdio` source manager, don't forget to close the source `stdio` stream if necessary.

It is an error to call `jpeg_finish_decompress()` before reading the correct total number of scanlines. If you wish to abort decompression, call `jpeg_abort()` as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling `jpeg_destroy_decompress()` or `jpeg_destroy()`. The previous discussion of destroying compression objects applies here too.

Typical code:

```
jpeg_destroy_decompress(&cinfo);
```

9. Aborting.

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 `jpeglib.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`, `jpeglib.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 `jinclue.h`.

ADVANCED FEATURES

=====

Compression parameter selection

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.

It's a good idea to call `jpeg_set_defaults()` first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling `cinfo` fields directly.

The helper routines are:

`jpeg_set_defaults (j_compress_ptr cinfo)`

This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field `in_color_space`, which must already be set in `cinfo`). Many applications will only need to use this routine and perhaps `jpeg_set_quality()`.

`jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)`

Sets the JPEG file's colorspace (field `jpeg_color_space`) as specified, and sets other color-space-dependent parameters appropriately. See

"Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call `jpeg_set_colorspace()` before rather than after.

`jpeg_default_colorspace (j_compress_ptr cinfo)`

Selects an appropriate JPEG colorspace based on `cinfo->in_color_space`, and calls `jpeg_set_colorspace()`. This is actually a subroutine of `jpeg_set_defaults()`. It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

`jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)`

Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the `force_baseline` parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when `force_baseline` is FALSE, but other decoders may not be.

`jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)`

Same as `jpeg_set_quality()` except that the generated tables are the sample tables given in the JPEG spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus `scale_factor = 100` reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. `force_baseline` again constrains the computed table entries to 1..255.

`int jpeg_quality_scaling (int quality)`

Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

`jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)`

[libjpeg v7+ API/ABI emulation only]

Set default quantization tables with linear `q_scale_factor[]` values (see below).

```
jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl,  
    const unsigned int *basic_table,  
    int scale_factor, boolean force_baseline)
```

Allows an arbitrary quantization table to be created. `which_tbl` indicates which table slot to fill. `basic_table` points to an array of 64 unsigned ints given in normal array order. These values are multiplied by `scale_factor/100` and then clamped to the range 1..65535 (or to 1..255 if `force_baseline` is TRUE).

CAUTION: prior to library version 6a, `jpeg_add_quant_table` expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like `"#if JPEG_LIB_VERSION >= 61"` is the right test.

```
jpeg_simple_progression (j_compress_ptr cinfo)
```

Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (`cinfo` fields) include:

```
J_DCT_METHOD dct_method
```

Selects the algorithm used for the DCT step. Choices are:

JDCT_ISLOW: slow but accurate integer algorithm

JDCT_IFAST: faster, less accurate integer method

JDCT_FLOAT: floating-point method

JDCT_DEFAULT: default method (normally JDCT_ISLOW)

JDCT_FASTEST: fastest method (normally JDCT_IFAST)

The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

```
J_COLOR_SPACE jpeg_color_space
```

```
int num_components
```

The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using `jpeg_set_color_space()` if you want to change these.

```
boolean optimize_coding
```

TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and

therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval

int restart_in_rows

To emit restart markers in the JPEG file, set one of these nonzero.

Set restart_interval to specify the exact interval in MCU blocks.

Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts).

One restart marker per MCU row is often a good choice.

NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs.

If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info

int num_scans

By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is discussed further under "Progressive JPEG support".

int smoothing_factor

If non-zero, the input image is smoothed; the value should be 1 for minimal smoothing to 100 for maximum smoothing. Consult jcsample.c for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header

If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space (ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version

UINT8 JFIF_minor_version

The version number to be written into the JFIF marker.

jpeg_set_defaults() initializes the version to 1.01 (major=minor=1).

You should set it to 1.02 (major=1, minor=2) if you plan to write any JFIF 1.02 extension markers.

UINT8 density_unit

UINT16 X_density

UINT16 Y_density

The resolution information to be written into the JFIF marker; not used otherwise. density_unit may be 0 for unknown, 1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1 indicating square pixels of unknown size.

boolean write_Adobe_marker

If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK, or YCKK is selected, otherwise FALSE. It is generally a bad idea to set both write_JFIF_header and write_Adobe_marker. In fact, you probably shouldn't change the default settings at all --- the default behavior ensures that the JPEG file's color space can be recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]

Pointers to coefficient quantization tables, one per table slot, or NULL if no table is defined for a slot. Usually these should be set via one of the above helper routines; jpeg_add_quant_table() is general enough to define any quantization table. The other routines will set up table slot 0 for luminance quality and table slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]

[libjpeg v7+ API/ABI emulation only]

Linear quantization scaling factors (0-100, default 100)

for use with jpeg_default_qtables().

See rdswitch.c and cjpeg.c for an example of usage.

Note that the q_scale_factor[] values use "linear" scales, so JPEG quality levels chosen by the user must be converted to these scales using jpeg_quality_scaling(). Here is an example that corresponds to cjpeg -quality 90,70:

```
jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);

jpeg_default_qtables(cinfo, force_baseline);
```

CAUTION: Setting separate quality levels for chrominance and luminance is mainly only useful if chrominance subsampling is disabled. 2x2 chrominance subsampling (AKA "4:2:0") is the default, but you can

explicitly disable subsampling as follows:

```
cinfo->comp_info[0].v_samp_factor = 1;  
cinfo->comp_info[0].h_samp_factor = 1;
```

JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]

JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]

Pointers to Huffman coding tables, one per table slot, or NULL if no table is defined for a slot. Slots 0 and 1 are filled with the JPEG sample tables by `jpeg_set_defaults()`. If you need to allocate more table structures, `jpeg_alloc_huff_table()` may be used.

Note that optimal Huffman tables can be computed for an image by setting `optimize_coding`, as discussed above; there's seldom any need to mess with providing your own Huffman tables.

[libjpeg v7+ API/ABI emulation only]

The actual dimensions of the JPEG image that will be written to the file are given by the following fields. These are computed from the input image dimensions and the compression parameters by `jpeg_start_compress()`. You can also call `jpeg_calc_jpeg_dimensions()` to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size.

JDIMENSION jpeg_width Actual dimensions of output image.

JDIMENSION jpeg_height

Per-component parameters are stored in the struct `cinfo.comp_info[i]` for component number `i`. Note that components here refer to components of the JPEG color space, *not* the source image color space. A suitably large `comp_info[]` array is allocated by `jpeg_set_defaults()`; if you choose not to use that routine, it's up to you to allocate the array.

int component_id

The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor

int v_samp_factor

Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no

Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no

int ac_tbl_no

DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index

Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and may be useful to the application in choosing decompression parameters:

JDIMENSION image_width Width and height of image

JDIMENSION image_height

int num_components Number of color components

J_COLOR_SPACE 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. (An output buffer larger than `rec_outbuf_height` lines is OK, but won't provide any material speed improvement over that height.)

Special color spaces

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB \leftrightarrow YCbCr and CMYK \leftrightarrow 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. `jpegcolor.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 `jpegparam.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. `jpegcolor.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<=>YCK 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-YCK 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 YCK 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 add-on 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 add-on 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 add-on messages (the add-on 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:

```
JOCTET * next_output_byte; /* => next byte to write in buffer */
size_t free_in_buffer;    /* # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

init_destination (j_compress_ptr cinfo)

Initialize destination. This is called by jpeg_start_compress() before any data is actually written. It must initialize next_output_byte and free_in_buffer. free_in_buffer must be initialized to a positive value.

empty_output_buffer (j_compress_ptr cinfo)

This is called whenever the buffer has filled (free_in_buffer reaches zero). In typical applications, it should write out the *entire* buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).

term_destination (j_compress_ptr cinfo)

Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.

term_destination() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a `jpeg_destination_mgr` struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the `jpeg_stdio_dest()` or `jpeg_mem_dest()` routines of the supplied destination managers.

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:

```
const JOCTET * next_input_byte; /* => next byte to read from buffer */
size_t bytes_in_buffer;      /* # of bytes remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is emptied. The manager's `fill_input_buffer` method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.

A data source manager provides five methods:

`init_source (j_decompress_ptr cinfo)`

Initialize source. This is called by `jpeg_read_header()` before any data is actually read. Unlike `init_destination()`, it may leave `bytes_in_buffer` set to 0 (in which case a `fill_input_buffer()` call will occur immediately).

`fill_input_buffer (j_decompress_ptr cinfo)`

This is called whenever `bytes_in_buffer` has reached zero and more data is wanted. In typical applications, it should read fresh data into the buffer (ignoring the current state of `next_input_byte` and `bytes_in_buffer`), reset the pointer & count to the start of the buffer, and return `TRUE` indicating that the buffer has been reloaded. It is not necessary to fill the buffer entirely, only to obtain at least one more byte. `bytes_in_buffer` **MUST** be set to a positive value if `TRUE` is returned. A `FALSE` return should only be used when I/O suspension is desired (this mode is discussed in the next section).

`skip_input_data (j_decompress_ptr cinfo, long num_bytes)`

Skip `num_bytes` worth of data. The buffer pointer and count should be advanced over `num_bytes` input bytes, refilling the buffer as needed. This is used to skip over a potentially large amount of uninteresting data (such as an APPn marker). In some applications it may be possible to optimize away the reading of the skipped data, but it's not clear that being smart is worth much trouble; large skips are uncommon. `bytes_in_buffer` may be zero on return. A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)

This routine is called only when the decompressor has failed to find a restart (RSTn) marker where one is expected. Its mission is to find a suitable point for resuming decompression. For most applications, we recommend that you just use the default resync procedure, jpeg_resync_to_restart(). However, if you are able to back up in the input data stream, or if you have a-priori knowledge about the likely location of restart markers, you may be able to do better. Read the read_restart_marker() and jpeg_resync_to_restart() routines in jdmarker.c if you think you'd like to implement your own resync procedure.

term_source (j_decompress_ptr cinfo)

Terminate source --- called by jpeg_finish_decompress() after all data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing as an EOF return. If the end of the file has been reached, the routine has a choice of exiting via ERREXIT() or inserting fake data into the buffer. In most cases, generating a warning message and inserting a fake EOI marker is the best course of action --- this will allow the decompressor to output however much of the image is there. In pathological cases, the decompressor may swallow the EOI and again demand data ... just keep feeding it fake EOIs. jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "src" field of the JPEG decompression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination managers in jdatasrc.c and jdatadst.c.

I/O suspension

Some applications need to use the JPEG library as an incremental memory-to-memory filter: when the compressed data buffer is filled or emptied, they want control to return to the outer loop, rather than expecting that the buffer can be emptied or reloaded within the data source/destination manager subroutine. The library supports this need by providing an "I/O suspension" mode, which we describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the maximum amount of time spent in any one call to the library, so it will not eliminate response-time problems in single-threaded applications. If you need guaranteed response time, we suggest you "bite the bullet" and implement a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application and the data source or destination manager; you will always need a custom source/destination manager. (Please read the previous section if you haven't already.) The basic idea is that the `empty_output_buffer()` or `fill_input_buffer()` routine is a no-op, merely returning `FALSE` to indicate that it has done nothing. Upon seeing this, the JPEG library suspends operation and returns to its caller. The surrounding application is responsible for emptying or refilling the work buffer before calling the JPEG library again.

Compression suspension:

For compression suspension, use an `empty_output_buffer()` routine that returns `FALSE`; typically it will not do anything else. This will cause the compressor to return to the caller of `jpeg_write_scanlines()`, with the return value indicating that not all the supplied scanlines have been accepted. The application must make more room in the output buffer, adjust the output buffer pointer/count appropriately, and then call `jpeg_write_scanlines()` again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping point (usually the start of the current MCU); it will regenerate some output data when restarted. Therefore, although `empty_output_buffer()` is only called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of `next_output_byte/free_in_buffer`. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call `jpeg_write_scanlines()` unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:

- * At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or

so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.

* When you call `jpeg_finish_compress()`, there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling `jpeg_finish_compress()`.

A more significant restriction is that `jpeg_finish_compress()` cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during `jpeg_finish_compress()`, which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a `fill_input_buffer()` routine that simply returns `FALSE` (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:

- * `jpeg_read_header()`: will return `JPEG_SUSPENDED`.
- * `jpeg_start_decompress()`: will return `FALSE`, rather than its usual `TRUE`.
- * `jpeg_read_scanlines()`: will return the number of scanlines already completed (possibly 0).
- * `jpeg_finish_decompress()`: will return `FALSE`, rather than its usual `TRUE`.

The surrounding application must recognize these cases, load more data into the input buffer, and repeat the call. In the case of `jpeg_read_scanlines()`, increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a convenient restart point before suspending. When `fill_input_buffer()` is called, `next_input_byte/bytes_in_buffer` point to the current restart point, which is where the decompressor will backtrack to if `FALSE` is returned. The data beyond that position must NOT be discarded if you suspend; it needs to be re-read upon resumption. In most implementations, you'll need to shift this data down to the start of your work buffer and then load more data after it. Again, this behavior means that a several-Kbyte work buffer is essential for decent performance; furthermore, you should load a reasonable amount of new data before resuming decompression. (If you loaded, say, only one new byte each time around, you could waste a LOT of cycles.)

The `skip_input_data()` source manager routine requires special care in a suspension scenario. This routine is NOT granted the ability to suspend the decompressor; it can decrement `bytes_in_buffer` to zero, but no more. If the

requested skip distance exceeds the amount of data currently in the input buffer, then `skip_input_data()` must set `bytes_in_buffer` to zero and record the additional skip distance somewhere else. The decompressor will immediately call `fill_input_buffer()`, which should return `FALSE`, which will cause a suspension return. The surrounding application must then arrange to discard the recorded number of bytes before it resumes loading the input buffer. (Yes, this design is rather baroque, but it avoids complexity in the far more common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning and insert dummy EOI markers just as a non-suspending data source manager would do. This can be handled either in the surrounding application logic or within `fill_input_buffer()`; the latter is probably more efficient. If `fill_input_buffer()` knows that no more data is available, it can set the pointer/count to point to a dummy EOI marker and then return `TRUE` just as though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers; instead it will backtrack to the start of the marker and reprocess the whole marker next time. Hence the input buffer must be large enough to hold the longest standard marker in the file. Standard JPEG markers should normally not exceed a few hundred bytes each (DHT tables are typically the longest). We recommend at least a 2K buffer for performance reasons, which is much larger than any correct marker is likely to be. For robustness against damaged marker length counts, you may wish to insert a test in your application for the case that the input buffer is completely full and yet the decoder has suspended without consuming any data --- otherwise, if this situation did occur, it would lead to an endless loop. (The library can't provide this test since it has no idea whether "the buffer is full", or even whether there is a fixed-size input buffer.)

The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling `skip_input_data()`. In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on `skip_input_data`'s shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having `empty_output_buffer()` or `fill_input_buffer()` set the pointer and count to reference the next available buffer; `FALSE` is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when `FALSE` is returned could back up into an earlier buffer. For example, when `fill_input_buffer()`

is called, the current pointer & count indicate the backtrack restart point. Since `fill_input_buffer()` will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to `fill_input_buffer()` occurs in the same library call, and no additional input data is available, so `fill_input_buffer` must return `FALSE`. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a `skip_input_data()` call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when `fill_input_buffer()` is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the

data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in 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 */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
```

This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically

```
while (! jpeg_input_complete(&cinfo))
and the start-output call should read
```

```
jpeg_start_output(&cinfo, cinfo.input_scan_number);
```

The second parameter to `jpeg_start_output()` indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and `jpeg_finish_output()` advances to the next scan or end-of-image marker (hence `input_scan_number` will be incremented by the time control arrives back at `jpeg_start_output()`).

With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the `jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output()` sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call `jpeg_finish_decompress()` to release the buffered image (or just use `jpeg_destroy_decompress()`).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine `jpeg_consume_input()`.

The return value is one of the following:

`JPEG_REACHED_SOS`: reached an SOS marker (the start of a new scan)

`JPEG_REACHED_EOI`: reached the EOI marker (end of image)

`JPEG_ROW_COMPLETED`: completed reading one MCU row of compressed data

`JPEG_SCAN_COMPLETED`: completed reading last MCU row of current scan

`JPEG_SUSPENDED`: suspended before completing any of the above

(`JPEG_SUSPENDED` can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It reads some additional data and returns when one of the indicated significant events occurs. (If called after the EOI marker is reached, it will immediately return `JPEG_REACHED_EOI` without attempting to read more data.)

The library's output processing will automatically call `jpeg_consume_input()` whenever the output processing overtakes the input; thus, simple lockstep display requires no direct calls to `jpeg_consume_input()`. But by adding calls to `jpeg_consume_input()`, you can absorb data in advance of what is being displayed. This has two benefits:

- * You can limit buildup of unprocessed data in your input buffer.
- * You can eliminate extra display passes by paying attention to the state of the library's input processing.

The first of these benefits only requires interspersing calls to `jpeg_consume_input()` with your display operations and any other processing you may be doing. To avoid wasting cycles due to backtracking, it's best to call `jpeg_consume_input()` only after a hundred or so new bytes have arrived. This is discussed further under "I/O suspension", above. (Note: the JPEG

library currently is not thread-safe. You must not call `jpeg_consume_input()` from one thread of control if a different library routine is working on the same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available before you start a new output pass, you may as well skip the output pass corresponding to the completed scan. This occurs for free if you pass `cinfo.input_scan_number` as the target scan number to `jpeg_start_output()`. The `input_scan_number` field is simply the index of the scan currently being consumed by the input processor. You can ensure that this is up-to-date by emptying the input buffer just before calling `jpeg_start_output()`: call `jpeg_consume_input()` repeatedly until it returns `JPEG_SUSPENDED` or `JPEG_REACHED_EOI`.

The target scan number passed to `jpeg_start_output()` is saved in the `cinfo.output_scan_number` field. The library's output processing calls `jpeg_consume_input()` whenever the current input scan number and row within that scan is less than or equal to the current output scan number and row. Thus, input processing can "get ahead" of the output processing but is not allowed to "fall behind". You can achieve several different effects by manipulating this interlock rule. For example, if you pass a target scan number greater than the current input scan number, the output processor will wait until that scan starts to arrive before producing any output. (To avoid an infinite loop, the target scan number is automatically reset to the last scan number when the end of image is reached. Thus, if you specify a large target scan number, the library will just absorb the entire input file and then perform an output pass. This is effectively the same as what `jpeg_start_decompress()` does when you don't select buffered-image mode.) When you pass a target scan number equal to the current input scan number, the image is displayed no faster than the current input scan arrives. The final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, `jpeg_consume_input()` will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may "wrap around" the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the

previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```
do {
    absorb any waiting input by calling jpeg_consume_input()
    final_pass = jpeg_input_complete(&cinfo);
    adjust output decompression parameters if required
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
} while (! final_pass);
```

rather than quitting as soon as `jpeg_input_complete()` returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```
for (;;) {
    absorb any waiting input by calling jpeg_consume_input()
    jpeg_start_output(&cinfo, cinfo.input_scan_number);
    ...
    jpeg_finish_output()
    if (jpeg_input_complete(&cinfo) &&
        cinfo.input_scan_number == cinfo.output_scan_number)
        break;
}
```

In this case you don't need to know in advance whether an output pass is to be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the `JPEG_REACHED_EOI` return code from `jpeg_consume_input()`, or equivalently by testing `jpeg_input_complete()`.)

In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call `jpeg_finish_output()` and then start a new pass with `jpeg_start_output()`.

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting `JPEG_REACHED_SOS` returns and/or examining `cinfo.input_scan_number`. This idea should be employed with caution, however, since the display process

might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call `jpeg_consume_input()` until it returns `JPEG_REACHED_SOS` or `JPEG_REACHED_EOI`. Or just use the next higher number as the target scan for `jpeg_start_output()`; but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, `jpeg_start_decompress()` never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

- * `jpeg_start_output()` performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
- * `jpeg_read_scanlines()`, as always, returns the number of scanlines that it was able to produce before suspending.
- * `jpeg_finish_output()` will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if `jpeg_consume_input()` has already reached the end of the file or a SOS marker beyond the target output scan.)
- * `jpeg_finish_decompress()` will read until the end of file, and thus can suspend if the end hasn't already been reached (as can be tested by calling `jpeg_input_complete()`).

`jpeg_start_output()`, `jpeg_finish_output()`, and `jpeg_finish_decompress()` all return `TRUE` if they completed their tasks, `FALSE` if they had to suspend.

In the event of a `FALSE` return, the application must load more input data and repeat the call. Applications that use non-suspending data sources need not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the buffered-image mode. The decoder library currently supports only very limited changes of parameters. **ONLY THE FOLLOWING** parameter changes are allowed after `jpeg_start_decompress()` is called:

- * `dct_method` can be changed before each call to `jpeg_start_output()`.

For example, one could use a fast DCT method for early scans, changing to a higher quality method for the final scan.

* `dither_mode` can be changed before each call to `jpeg_start_output()`; of course this has no impact if not using color quantization. Typically one would use ordered dither for initial passes, then switch to Floyd-Steinberg dither for the final pass. Caution: changing dither mode can cause more memory to be allocated by the library. Although the amount of memory involved is not large (a scanline or so), it may cause the initial `max_memory_to_use` specification to be exceeded, which in the worst case would result in an out-of-memory failure.

* `do_block_smoothing` can be changed before each call to `jpeg_start_output()`. This setting is relevant only when decoding a progressive JPEG image. During the first DC-only scan, block smoothing provides a very "fuzzy" look instead of the very "blocky" look seen without it; which is better seems a matter of personal taste. But block smoothing is nearly always a win during later stages, especially when decoding a successive-approximation image: smoothing helps to hide the slight blockiness that otherwise shows up on smooth gradients until the lowest coefficient bits are sent.

* Color quantization mode can be changed under the rules described below. You *cannot* change between full-color and quantized output (because that would alter the required I/O buffer sizes), but you can change which quantization method is used.

When generating color-quantized output, changing quantization method is a very useful way of switching between high-speed and high-quality display. The library allows you to change among its three quantization methods:

1. Single-pass quantization to a fixed color cube.
Selected by `cinfo.two_pass_quantize = FALSE` and `cinfo.colormap = NULL`.
 2. Single-pass quantization to an application-supplied colormap.
Selected by setting `cinfo.colormap` to point to the colormap (the value of `two_pass_quantize` is ignored); also set `cinfo.actual_number_of_colors`.
 3. Two-pass quantization to a colormap chosen specifically for the image.
Selected by `cinfo.two_pass_quantize = TRUE` and `cinfo.colormap = NULL`. (This is the default setting selected by `jpeg_read_header`, but it is probably NOT what you want for the first pass of progressive display!)
- These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call `jpeg_start_decompress()`. (If we did not require this, the `max_memory_to_use` setting would be a complete fiction.)

You do this by setting one or more of these three `cinfo` fields to TRUE:

`enable_1pass_quant` Fixed color cube colormap
`enable_external_quant` Externally-supplied colormap
`enable_2pass_quant` Two-pass custom colormap

All three are initialized FALSE by `jpeg_read_header()`. But `jpeg_start_decompress()` automatically sets TRUE the one selected by the current `two_pass_quantize` and `colormap` settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at `jpeg_start_decompress()` time, you can change to any enabled quantization method by setting `two_pass_quantize` and `colormap` properly just before calling `jpeg_start_output()`. The following special rules apply:

1. You must explicitly set `cinfo.colormap` to `NULL` when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call `jpeg_new_colormap()` after setting `cinfo.colormap`.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs.

(These requirements exist because `cinfo.colormap` will always be non-`NULL` after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed.

Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during `jpeg_start_output()`, not during `jpeg_start_decompress()`.

When using two-pass quantization, `jpeg_start_output()` makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, `jpeg_start_output()` will attempt to consume input as it makes this pass. If you use a suspending data source, you need to check for a `FALSE` return from `jpeg_start_output()` under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which `jpeg_start_output()` will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling `jpeg_has_multiple_scans()`, which will return a correct result at any time after `jpeg_read_header()` completes.

It is also worth noting that when you use `jpeg_consume_input()` to let input

processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager `jmemnobs.c` if you can (ie, if you have enough real or virtual main memory). If not, at least make sure that `max_memory_to_use` is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use `jpeg_consume_input()` for all input processing, including reading the initial markers; that is, you may wish to call `jpeg_consume_input()` instead of `jpeg_read_header()` during startup. This works, but note that you must check for `JPEG_REACHED_SOS` and `JPEG_REACHED_EOI` return codes as the equivalent of `jpeg_read_header's` codes. Once the first SOS marker has been reached, you must call `jpeg_start_decompress()` before `jpeg_consume_input()` will consume more input; it'll just keep returning `JPEG_REACHED_SOS` until you do. If you read a tables-only file this way, `jpeg_consume_input()` will return `JPEG_REACHED_EOI` without ever returning `JPEG_REACHED_SOS`; be sure to check for this case. If this happens, the decompressor will not read any more input until you call `jpeg_abort()` to reset it. It is OK to call `jpeg_consume_input()` even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return `JPEG_SUSPENDED`.

Abbreviated datastreams and multiple images

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the "create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

- * "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
- * "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
- * "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate

tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables, just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the tables. If you want to emit some but not all tables, you'll need to set the individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress() with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress() will force all the sent_table fields to FALSE. (This is a safety feature to prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you normally would, but instead of calling jpeg_start_compress() and so on, call jpeg_write_tables(&cinfo). This will write an abbreviated datastream containing only SOI, DQT and/or DHT markers, and EOI. All the quantization and Huffman tables that are currently defined in the compression object will be emitted unless their sent_tables flag is already TRUE, and then all the sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files

is to proceed as follows:

```
create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);
```

Since the JPEG parameters are not altered between writing the table file and the abbreviated image file, the same tables are sure to be used. Of course, you can repeat the `jpeg_start_compress()` ... `jpeg_finish_compress()` sequence many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman optimization is selected. (If you could, there'd be no way to decode the image...) Generally, you don't want to set `optimize_coding = TRUE` when you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are not stored in the application, but are defined in an interchange or tables-only file readable by the application. This can be done by setting up a JPEG decompression object to read the specification file, then copying the tables into your compression object. See `jpeg_copy_critical_parameters()` for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```
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"):

```
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL* */
```

```

for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}

```

(Note that trying to set `cinfo.quant_tbl_ptrs[n]` to point directly at a constant `JQUANT_TBL` object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The `jpeg_read_header()` call is sufficient to read a tables-only file. You must pass a second parameter of `FALSE` to indicate that you do not require an image to be present. Thus, the typical scenario is

```

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);

```

In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass `FALSE` and check the return value from `jpeg_read_header()`: it will be `JPEG_HEADER_OK` if an image was found, `JPEG_HEADER_TABLES_ONLY` if only tables were found. (A third return value, `JPEG_SUSPENDED`, is possible when using a suspending data source manager.) Note that `jpeg_read_header()` will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in `jpeg_start_decompress()`.

It is possible to read a series of images from a single source file by repeating the `jpeg_read_header() ... jpeg_finish_decompress()` sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images

that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at `term_destination()` time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing `FALSE` to `jpeg_start_compress()`.

Special markers

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APP0" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)

For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling `jpeg_write_marker()` after `jpeg_start_compress()` and before the first

call to `jpeg_write_scanlines()`. When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, `jpeg_write_marker` will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by `comment_text`:
`jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));`

If it's not convenient to store all the marker data in memory at once, you can instead call `jpeg_write_m_header()` followed by multiple calls to `jpeg_write_m_byte()`. If you do it this way, it's your responsibility to call `jpeg_write_m_byte()` exactly the number of times given in the length parameter to `jpeg_write_m_header()`. (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set `cinfo.JFIF_minor_version = 2` so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)

When reading, two methods of handling special markers are available:

1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling `jpeg_read_header()`, because the markers of interest will typically be near the head of the file and so will be scanned by `jpeg_read_header`. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is

determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call

```
jpeg_save_markers(cinfo, marker_code, length_limit)
```

where `marker_code` is the marker type to save, `JPEG_COM` or `JPEG_APP0+n`.

(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than `length_limit` data bytes, only `length_limit` bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set `length_limit` to `0xFFFF`; that is enough since marker lengths are only 16 bits. As a special case, setting `length_limit` to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After `jpeg_read_header()` completes, you can examine the special markers by following the `cinfo->marker_list` pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed `length_limit` for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which `jpeg_read_header` stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing `jpeg_read_header`, to ensure that the `max_memory_to_use` setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call `jpeg_finish_decompress` or `jpeg_abort`, at which point the memory is freed and the list is set to empty. (`jpeg_destroy` also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by `malloc()` limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling `jpeg_set_marker_processor()`. A marker processor routine must have the

signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in `cinfo->unread_marker`. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in `jdmarker.c` for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling `jpeg_save_markers()`; that method doesn't interfere with the library's own processing of these markers.)

`jpeg_set_marker_processor()` and `jpeg_save_markers()` are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in `djpeg.c`. Also, see `jpegtran.c` for an example of using `jpeg_save_markers`.

Raw (downsampled) image data

Some applications need to supply already-downsampled image data to the JPEG compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set `jpeg_color_space = in_color_space` (or `jpeg_color_space = out_color_space` for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one

color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call `jpeg_write_raw_data()` in place of `jpeg_write_scanlines()`. Before calling `jpeg_start_compress()`, you must do the following:

- * Set `cinfo->raw_data_in` to TRUE. (It is set FALSE by `jpeg_set_defaults()`.) This notifies the library that you will be supplying raw data.
- * Ensure `jpeg_color_space` is correct --- an explicit `jpeg_set_colorspace()` call is a good idea. Note that since color conversion is bypassed, `in_color_space` is ignored, except that `jpeg_set_defaults()` uses it to choose the default `jpeg_color_space` setting.
- * Ensure the sampling factors, `cinfo->comp_info[i].h_samp_factor` and `cinfo->comp_info[i].v_samp_factor`, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call `jpeg_write_raw_data()` in place of `jpeg_write_scanlines()`. The two routines work similarly except that `jpeg_write_raw_data` takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from `jpeg_write_raw_data` is measured in terms of the component with the largest `v_samp_factor`.

`jpeg_write_raw_data()` processes one MCU row per call, which is to say `v_samp_factor*DCTSIZE` sample rows of each component. The passed `num_lines` value must be at least `max_v_samp_factor*DCTSIZE`, and the return value will be exactly that amount (or possibly some multiple of that amount, in future library versions). This is true even on the last call at the bottom of the image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each component as

```
cinfo->comp_info[i].width_in_blocks*DCTSIZE  samples per row
cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image
```

after `jpeg_start_compress()` has initialized those fields. If the valid data is smaller than this, it must be padded appropriately. For some sampling factors and image sizes, additional dummy DCT blocks are inserted to make the image a multiple of the MCU dimensions. The library creates such dummy blocks itself; it does not read them from your supplied data. Therefore you need never pad by more than DCTSIZE samples. An example may help here.

Assume 2h2v downsampling of YCbCr data, that is
cinfo->comp_info[0].h_samp_factor = 2 for Y
cinfo->comp_info[0].v_samp_factor = 2
cinfo->comp_info[1].h_samp_factor = 1 for Cb
cinfo->comp_info[1].v_samp_factor = 1
cinfo->comp_info[2].h_samp_factor = 1 for Cr
cinfo->comp_info[2].v_samp_factor = 1
and suppose that the nominal image dimensions (cinfo->image_width and
cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will
compute downsampled_width = 101 and width_in_blocks = 13 for Y,
downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same
for the height fields). You must pad the Y data to at least $13*8 = 104$
columns and rows, the Cb/Cr data to at least $7*8 = 56$ columns and rows. The
MCU height is $\max_v_samp_factor = 2$ DCT rows so you must pass at least 16
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed,
so you must pass a total of $7*16 = 112$ "scanlines". The last DCT block row
of Y data is dummy, so it doesn't matter what you pass for it in the data
arrays, but the scanlines count must total up to 112 so that all of the Cb
and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data
destination module suspends, jpeg_write_raw_data() will return 0.
In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing:
you cannot ask for rescaling or color quantization, for instance. More
seriously, you must deal with the color space and sampling factors present in
the incoming file. If your application only handles, say, 2h1v YCbCr data,
you must check for and fail on other color spaces or other sampling factors.
The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before
jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to
verify that the color space and sampling factors are ones you can handle.
Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The
decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a
buffer of at least $\max_v_samp_factor*DCTSIZE$ scanlines (scanline counting is
the same as for raw-data compression). The buffer you pass must be large
enough to hold the actual data plus padding to DCT-block boundaries. As with
compression, any entirely dummy DCT blocks are not processed so you need not
allocate space for them, but the total scanline count includes them. The
above example of computing buffer dimensions for raw-data compression is
equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, `jpeg_read_raw_data()` will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do `jpeg_read_header()` as usual. But instead of calling `jpeg_start_decompress()` and `jpeg_read_scanlines()`, call `jpeg_read_coefficients()`. This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's `access_virt_barray` method (see Memory management, below, and also read `structure.txt`'s discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to `jpeg_write_coefficients()`.

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each block array can be determined from the `width_in_blocks` and `height_in_blocks` fields of the component's `comp_info` entry.) This is also the data format expected by `jpeg_write_coefficients()`.

When you are done using the virtual arrays, call `jpeg_finish_decompress()` to release the array storage and return the decompression object to an idle state; or just call `jpeg_destroy()` if you don't need to reuse the object.

If you use a suspending data source, `jpeg_read_coefficients()` will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call `jpeg_read_coefficients()` to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call `jpeg_read_coefficients()` after

the last `jpeg_finish_output()` call. The arrays will be available for your use until you call `jpeg_finish_decompress()`.

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by `jpeg_read_coefficients()`, or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, `jpeg_write_coefficients()` is substituted for `jpeg_start_compress()` and `jpeg_write_scanlines()`. Thus the sequence is

- * Create compression object
- * Set all compression parameters as necessary
- * Request virtual arrays if needed
- * `jpeg_write_coefficients()`
- * `jpeg_finish_compress()`
- * Destroy or re-use compression object

`jpeg_write_coefficients()` is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to `cinfo.num_components`.

The virtual arrays need only have been requested, not realized, before `jpeg_write_coefficients()` is called. A side-effect of `jpeg_write_coefficients()` is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling `jpeg_write_coefficients()`. The data is actually written out when you call `jpeg_finish_compress()`; `jpeg_write_coefficients()` only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using `jpeg_copy_critical_parameters()`. This routine initializes all the compression parameters to default values (like `jpeg_set_defaults()`), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting `jpeg_finish_decompress()`.

`jpeg_write_coefficients()` marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like `jpeg_start_compress(cinfo, TRUE)`). This is for safety's sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call `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

$$\frac{\text{completed_passes} + (\text{pass_counter}/\text{pass_limit})}{\text{total_passes}}$$

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, `pass_limit` can even change within a pass, because it

depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets `total_passes` based on the assumption that there will be one more output pass if the input file end hasn't yet been read (`jpeg_input_complete()` isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that `total_passes` will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

Memory management

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read `structure.txt`'s section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use `malloc()` and `free()` for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG object is destroyed. Most data is allocated "per image" and is freed by `jpeg_finish_compress`, `jpeg_finish_decompress`, or `jpeg_abort`. You can call the memory manager yourself to allocate structures that will automatically be freed at these times. Typical code for this is

```
ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);
```

Use `JPOOL_PERMANENT` to get storage that lasts as long as the JPEG object. Use `alloc_large` instead of `alloc_small` for anything bigger than a few Kbytes. There are also `alloc_sarray` and `alloc_barray` routines that automatically build 2-D sample or block arrays.

The library's minimum space requirements to process an image depend on the image's width, but not on its height, because the library ordinarily works with "strip" buffers that are as wide as the image but just a few rows high. Some operating modes (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 (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 `jinclue.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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/libjpeg.txt
```

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

```
/*
```

```
* jdcolor.c
```

```
*
```

```
* This file was part of the Independent JPEG Group's software:
```

```
* Copyright (C) 1991-1997, Thomas G. Lane.
```

```
* Modified 2011 by Guido Vollbeding.
```

```
* Modifications:
```

```
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
```

```
* Copyright (C) 2009, 2011-2012, D. R. Commander.
```

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains output colorspace conversion routines.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdcolor.c

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

/*

* jidctred.c

*

* Copyright (C) 1994-1998, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains inverse-DCT routines that produce reduced-size output:

* either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.

*

* The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)

* algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step

* with an 8-to-4 step that produces the four averages of two adjacent outputs

* (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).

* These steps were derived by computing the corresponding values at the end

* of the normal LL&M code, then simplifying as much as possible.

*

* 1x1 is trivial: just take the DC coefficient divided by 8.

*

* See jidctint.c for additional comments.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctred.c

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

/*

* jccolor.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1996, Thomas G. Lane.

* Modifications:

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

* Copyright (C) 2009-2012, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains input colorspace conversion routines.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jccolor.c

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

/*

* jcsample.c

*

* Copyright (C) 1991-1996, Thomas G. Lane.

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains downsampling routines.

*

* Downsampling input data is counted in "row groups". A row group

* is defined to be max_v_samp_factor pixel rows of each component,

* from which the downsampler produces v_samp_factor sample rows.

* A single row group is processed in each call to the downsampler module.

*

* The downsampler is responsible for edge-expansion of its output data

* to fill an integral number of DCT blocks horizontally. The source buffer

* may be modified if it is helpful for this purpose (the source buffer is

* allocated wide enough to correspond to the desired output width).

* The caller (the prep controller) is responsible for vertical padding.

*

* The downsampler may request "context rows" by setting need_context_rows

* during startup. In this case, the input arrays will contain at least

* one row group's worth of pixels above and below the passed-in data;

* the caller will create dummy rows at image top and bottom by replicating

* the first or last real pixel row.

*

* An excellent reference for image resampling is

* Digital Image Warping, George Wolberg, 1990.

* Pub. by IEEE Computer Society Press, Los Alamitos, CA. ISBN 0-8186-8944-7.

*

* The downsampling algorithm used here is a simple average of the source

* pixels covered by the output pixel. The hi-falutin sampling literature

* refers to this as a "box filter". In general the characteristics of a box

* filter are not very good, but for the specific cases we normally use (1:1

* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not

* nearly so bad. If you intend to use other sampling ratios, you'd be well

* advised to improve this code.

*

* A simple input-smoothing capability is provided. This is mainly intended

* for cleaning up color-dithered GIF input files (if you find it inadequate,

* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcsample.c

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

/*

* jccoefct.c

*

* Copyright (C) 1994-1997, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains the coefficient buffer controller for compression.

* This controller is the top level of the JPEG compressor proper.

* The coefficient buffer lies between forward-DCT and entropy encoding steps.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jccoefct.c

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

;

; jcolsamp.inc - private declarations for color conversion & up/downsampling

;

; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

;

; Based on

; x86 SIMD extension for IJG JPEG library

; Copyright (C) 1999-2006, MIYASAKA Masaru.

; For conditions of distribution and use, see copyright notice in jsimdext.inc

;

; [TAB8]

; -----

; pseudo-resisters to make ordering of RGB configurable

;

%if RGB_RED == 0

%define mmA mm0

%define mmB mm1

```
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif
```

```
%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif
```

```
%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
```



```
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif
```

```
%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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcolsamp.inc
```

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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdbmp.c
```

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

```
/*
```

```
* jcmarker.c
```

```
*
```

```
* This file was part of the Independent JPEG Group's software:
```

```
* Copyright (C) 1991-1998, Thomas G. Lane.
```

```
* Modifications:
```

```
* Copyright (C) 2010, D. R. Commander.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains routines to write JPEG datastream markers.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmarker.c
```

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

```
/*
```

```
* wrppm.c
```

```
*
```

```
* Copyright (C) 1991-1996, Thomas G. Lane.
```

- * Modified 2009 by Guido Vollbeding.
- * This file is part of the Independent JPEG Group's software.
- * For conditions of distribution and use, see the accompanying README file.
- *
- * This file contains routines to write output images in PPM/PGM format.
- * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
- * The 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrppm.c

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

libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100 image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008

http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

Images are available without any prohibitive copyright restrictions.

These images are (c) there respective owners. You are granted full redistribution and publication rights on these images provided:

1. The origin of the pictures must not be misrepresented; you must not claim that you took the original pictures. If you use, publish or redistribute them, an acknowledgment would be appreciated but is not required.
2. Altered versions must be plainly marked as such, and must not be misinterpreted as being the originals.
3. No payment is required for distribution this material, it must be available freely under the conditions stated here. That is, it is prohibited to sell the material.
4. This notice may not be removed or altered from any distribution.

Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Frhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser,

Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info

www.sachingarg.com | www.c10n.info | www.imagecompression.info

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt

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

/*

* jdatasrc-tj.c

*

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* Modified 2009-2011 by Guido Vollbeding.

* Modifications:

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* For conditions of distribution and use, see the accompanying README file.

*

* This file contains decompression data source routines for the case of

* reading JPEG data from memory or from a file (or any stdio stream).

* While these routines are sufficient for most applications,

* some will want to use a different source manager.

* IMPORTANT: we assume that fread() will correctly transcribe an array of

* JOCTETs from 8-bit-wide elements on external storage. If char is wider

* than 8 bits on your machine, you may need to do some tweaking.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatasrc-tj.c

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* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJ.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/TJUnitTest.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCompressor.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/TJExample.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg-jni.c

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/*

* jdpostct.c

*

* Copyright (C) 1994-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains the decompression postprocessing controller.

* This controller manages the upsampling, color conversion, and color

* quantization/reduction steps; specifically, it controls the buffering

* between upsample/color conversion and color quantization/reduction.

*

* If no color quantization/reduction is required, then this module has no

* work to do, and it just hands off to the upsample/color conversion code.

* An integrated upsample/convert/quantize process would replace this module
* entirely.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdpostct.c

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/*

* jcdctmgr.c

*

* This file was part of the Independent JPEG Group's software:

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* Modifications:

* Copyright (C) 1999-2006, MIYASAKA Masaru.

* 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcdctmgr.c

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/*

* jccolext.c

*

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*

* This file contains input colorspace conversion routines.

*/

Found in path(s):

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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`.

`TJExample.java`, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/README`

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```
;  
;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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; 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] -DELFB ...)-----
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL _GLOBAL_OFFSET_TABLE_ ; ELF supports PIC
%define EXTN(name) name ; foo() -> foo

%elifdef AOUT ; ----(nasm -faoutb/aout -DAOUT ...)----

```

```

; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE_ ; BSD-style a.out supports PIC

%ifndef 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
%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 register.
call %%geteip
add ecx, byte (%%ref - $)
jmp short %%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)
db 0x8D,0x9C ; 8D,9C
jmp near 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)
db 0x8D,0x8C ; 8D,8C
jmp near const_base ; E9,(const_base-%%ref)
%%ref: mov %1, ecx
%endif ; (%1 == ebx)
pop ebp
%endmacro
```

```
%else ; GOT_SYMBOL != _MACHO_PIC_ -----
```

```
%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff
```

```
%imacro get_GOT 1
extern GOT_SYMBOL
call %%geteip
add %1, GOT_SYMBOL + $$ - $ wrt ..gotpc
```

```

jmp short %%done
%%geteip:
mov %1, POINTER [esp]
ret
%%done:
%endmacro

```

```
%endif ; GOT_SYMBOL == _MACHO_PIC_ -----
```

```
%imacro pushpic 1.nolist
push %1
%endmacro

```

```
%imacro poppic 1.nolist
pop %1
%endmacro

```

```
%imacro movpic 2.nolist
mov %1,%2
%endmacro

```

```
%else ; !PIC -----
```

```
%define GOTOFF(got,sym) (sym)
```

```
%imacro get_GOT 1.nolist
%endmacro

```

```
%imacro pushpic 1.nolist
%endmacro

```

```
%imacro poppic 1.nolist
%endmacro

```

```
%imacro movpic 2.nolist
%endmacro

```

```
%endif ; 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
```

```
%%bs: times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) \
db 0x90 ; nop
```

```
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9 \
db 0x8D,0x9C,0x23,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
```

```
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7 \
db 0x8D,0xAC,0x25,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
```

```

times MSKLE(FILLB(% %bs,%1),%2) & FILLB($,%1)/6 \
    db 0x8D,0xAD,0x00,0x00,0x00,0x00    ; lea ebp,[ebp+0x00000000]
times MSKLE(FILLB(% %bs,%1),%2) & FILLB($,%1)/4 \
    db 0x8D,0x6C,0x25,0x00              ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(% %bs,%1),%2) & FILLB($,%1)/3 \
    db 0x8D,0x6D,0x00                    ; lea ebp,[ebp+0x00]
times MSKLE(FILLB(% %bs,%1),%2) & FILLB($,%1)/2 \
    db 0x8B,0xED                          ; mov ebp,ebp
times MSKLE(FILLB(% %bs,%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
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 "jsimdefg.inc"
```

```
;-----
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimdext.inc
```

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```
/*
 * jcarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy encoding routines for JPEG
 * (implementing the ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81).
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcarith.c
```

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```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo.spec
```

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```
/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains common support routines used by the IJG application
 * programs (cjpeg, djpeg, jpegtran).
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.c
```

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```
/*
 * jdhuft.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
```


* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdhuff.c

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* POSSIBILITY OF SUCH DAMAGE.

*/

Found in path(s):

*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/tjutil.h

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/bmp.h
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransform.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcstest.c
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/bmp.c
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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java
No license file was found, but licenses were detected in source scan.

/*
* jquant2.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains 2-pass color quantization (color mapping) routines.
* These routines provide selection of a custom color map for an image,
* followed by mapping of the image to that color map, with optional
* Floyd-Steinberg dithering.
* It is also possible to use just the second pass to map to an arbitrary
* externally-given color map.
*
* Note: ordered dithering is not supported, since there isn't any fast
* way to compute intercolor distances; it's unclear that ordered dither's
* fundamental assumptions even hold with an irregularly spaced color map.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jquant2.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.
- * Modified 2003-2011 by Guido Vollbeding.
- * Modifications:
- * Copyright (C) 2010, 2013, D. R. Commander.
- * For conditions of distribution and use, see the accompanying README file.
- *
- * This file contains a command-line user interface for the JPEG compressor.
- * It should work on any system with Unix- or MS-DOS-style command lines.
- *
- * Two different command line styles are permitted, depending on the
- * compile-time switch TWO_FILE_COMMANDLINE:
- * cjpeg [options] inputfile outputfile
- * cjpeg [options] [inputfile]
- * In the second style, output is always to standard output, which you'd
- * normally redirect to a file or pipe to some other program. Input is
- * either from a named file or from standard input (typically redirected).
- * The second style is convenient on Unix but is unhelpful on systems that
- * don't support pipes. Also, you MUST use the first style if your system
- * doesn't do binary I/O to stdin/stdout.
- * To simplify script writing, the "-outfile" switch is provided. The syntax
- * cjpeg [options] -outfile outputfile inputfile
- * works regardless of which command line style is used.
- */

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cjpeg.c

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 downsampled image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used rigorously throughout the code, but it is used in places where confusion would otherwise result.)

*** System features ***

The IJG distribution contains two parts:

- * A subroutine library for JPEG compression and decompression.
- * cjpeg/djpeg, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.

cjpeg/djpeg are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that

are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:

1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.
2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.
3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:

- * Color space conversion (e.g., RGB to YCbCr).
- * Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:

- * MCU assembly, DCT, quantization.
- * Entropy coding (sequential or progressive, Huffman or arithmetic).

In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to `fwrite()`, but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:

- * Entropy decoding (sequential or progressive, Huffman or arithmetic).
- * Dequantization, inverse DCT, MCU disassembly.

Postprocessing:

- * Upsampling. Optionally, this step may be able to do more general rescaling of the image.
- * Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [currently it does not].
- * Optional color quantization (e.g., reduction to 256 colors).
- * Optional color precision reduction (e.g., 24-bit to 15-bit color).
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module.

The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of

course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see `jdatadst.c`, which implements the external interface specified by struct `jpeg_destination_mgr`, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd use straight-line code instead of for-loops. The cost to determine which method to use is paid only once, at startup, and the selection criteria are hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that only one instance of each object class will exist during execution. The reason for having the class structure is that on different runs we may create different instances (choose to execute different modules). You can think of the term "method" as denoting the common interface presented by a particular set of interchangeable functions, and "object" as denoting a group of related methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression and decompression libraries. In IJG implementations prior to v5, overall control was mostly provided by "pipeline control" modules, which proved to be large, unwieldy, and hard to understand. To improve the situation, the control logic has been subdivided into multiple modules. The control modules consist of:

1. Master control for module selection and initialization. This has two responsibilities:

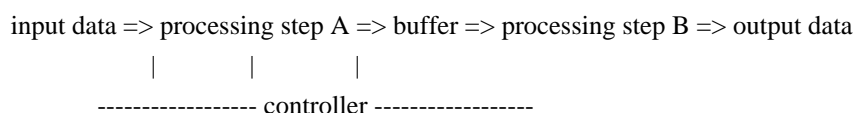
1A. Startup initialization at the beginning of image processing.
The individual processing modules to be used in this run are selected and given initialization calls.

1B. Per-pass control. This determines how many passes will be performed and calls each active processing module to configure itself appropriately at the beginning of each pass. End-of-pass processing, where necessary, is also invoked from the master control module.

Method selection is partially distributed, in that a particular processing module may contain several possible implementations of a particular method, which it will select among when given its initialization call. The master control code need only be concerned with decisions that affect more than one module.

2. Data buffering control. A separate control module exists for each inter-processing-step data buffer. This module is responsible for invoking the processing steps that write or read that data buffer.

Each buffer controller sees the world as follows:



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.

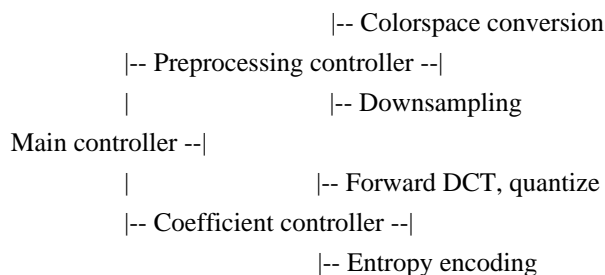
The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

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:



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.
- * Colospace 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 V_{max} pixel rows of each component before downsampling, and V_k sample rows afterwards (remember V_k differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the

preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data.

This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients.

Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the

coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.

In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

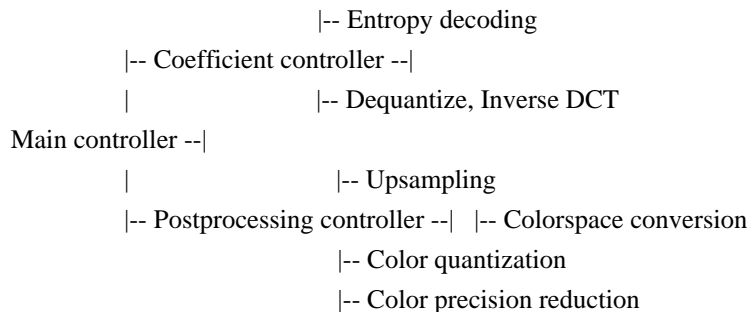
* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:



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: `jdinput.c` controls only input-side processing, while `jdmaster.c` handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a `stdio` stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.

*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.
2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls `jpeg_consume_input()`; otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See `libjpeg.txt` for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When

reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. `jpeg_consume_input()` is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the `cinfo` data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.

*** Data formats ***

Arrays of pixel sample values use the following data structure:

```
typedef something JSAMPLE; a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW; ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY; ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE; ptr to a list of color-component arrays
```

The basic element type `JSAMPLE` will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of `JSAMPLE` values must be coded as `GETJSAMPLE(value)`, where the macro will be defined as `"((value) & 0xFF)"` on signed-char machines and `"((int) (value))"` elsewhere.

With these conventions, `JSAMPLE` values can be assumed to be ≥ 0 . This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of `MAXJSAMPLE` and `CENTERJSAMPLE`, which will be

defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:

- * Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
- * Indexing doesn't require multiplication; this is a performance win on many machines.
- * Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
- * The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.

In general, a specific sample value is accessed by code such as

```
GETJSAMPLE(image[colorcomponent][row][col])
```

where col is measured from the image left edge, but row is measured from the first sample row currently in memory. Either of the first two indexings can be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which the components of a pixel are stored together, the data passed to or from the surrounding application uses the traditional convention: a single pixel is represented by N consecutive JSAMPLE values, and an image row is an array of (# of color components)*(image width) JSAMPLEs. One or more rows of data can be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is converted to component-wise storage inside the JPEG library. (Applications that want to skip JPEG preprocessing or postprocessing will have to contend with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

```
typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays
```


The underlying type is at least a 16-bit signed integer; while "short" is big enough on all machines of interest, on some machines it is preferable to use "int" for speed reasons, despite the storage cost. Coefficients are grouped into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than "8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged order, and may be true values or divided by the quantization coefficients, depending on where the block is in the processing pipeline. In the current library, coefficient blocks are kept in natural order everywhere; the entropy codecs zigzag or dezigzag the data as it is written or read. The blocks contain quantized coefficients everywhere outside the DCT/IDCT subsystems. (This latter decision may need to be revisited to support variable quantization ala 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 (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.

In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does **not** cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling `jpeg_finish_compress()`

will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:

- * JPOOL_PERMANENT lasts until master record is destroyed
- * JPOOL_IMAGE lasts until done with image (JPEG datastream)

Permanent lifetime is used for parameters and tables that should be carried across from one datastream to another; this includes all application-visible parameters. Image lifetime is used for everything else. (A third lifetime, JPOOL_PASS = one processing pass, was originally planned. However it was dropped as not being worthwhile. The actual usage patterns are such that the peak memory usage would be about the same anyway; and having per-pass storage substantially complicates the virtual memory allocation rules --- see below.)

The memory manager deals with three kinds of object:

1. "Small" objects. Typically these require no more than 10K-20K total.
2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
 - * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
 - * Pool allocation heuristics may differ for large and small objects.Note that individual "large" objects cannot exceed the size allowed by type size_t, which may be 64K or less on some machines.
3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKS (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'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, manipulate a backing-store object
write_backing_store,
close_backing_store

On some systems there will be more than one type of backing-store object (specifically, in MS-DOS a backing store file might be an area of extended memory as well as a disk file). jpeg_open_backing_store is responsible for choosing how to implement a given object. The read/write/close routines are method pointers in the structure that describes a given object; this lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly released upon abnormal program termination. For example, MS-DOS won't free extended memory by itself. To support this, we will expect the main program or surrounding application to arrange to call `self_destruct` (typically via `jpeg_destroy`) upon abnormal termination. This may require a SIGINT signal handler or equivalent. We don't want to have the back end module install its own signal handler, because that would pre-empt the surrounding application's ability to control signal handling.

The IJG distribution includes several memory manager back end implementations. Usually the same back end should be suitable for all applications on a given system, but it is possible for an application to supply its own back end at need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image height (this would be useful for a fax-like scanner's output, for instance). In these files the SOF marker claims the image height is 0, and you only find out the true image height at the end of the first scan.

We could read these files as follows:

1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.

This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:

1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.

2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/structure.txt
```

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

```
/*
```

```
* transupp.c
```

```
*
```

```
* 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/transupp.c
```

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

```
/*
```

```
* jcmaint.c
```

```
*
```

```
* Copyright (C) 1994-1996, Thomas G. Lane.
```

* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for compression.
* The main buffer lies between the pre-processor and the JPEG
* compressor proper; it holds downsampled data in the JPEG colorspace.
*/

Found in path(s):

*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmainct.c

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

/*

* jfdctflt.c

/*

* Copyright (C) 1994-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

/*

* This file contains a floating-point implementation of the

* forward DCT (Discrete Cosine Transform).

/*

* This implementation should be more accurate than either of the integer

* DCT implementations. However, it may not give the same results on all

* machines because of differences in roundoff behavior. Speed will depend

* on the hardware's floating point capacity.

/*

* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT

* on each column. Direct algorithms are also available, but they are

* much more complex and seem not to be any faster when reduced to code.

/*

* This implementation is based on Arai, Agui, and Nakajima's algorithm for

* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in

* Japanese, but the algorithm is described in the Pennebaker & Mitchell

* JPEG textbook (see REFERENCES section in file README). The following code

* is based directly on figure 4-8 in P&M.

* While an 8-point DCT cannot be done in less than 11 multiplies, it is

* possible to arrange the computation so that many of the multiplies are

* simple scalings of the final outputs. These multiplies can then be

* folded into the multiplications or divisions by the JPEG quantization

* table entries. The AA&N method leaves only 5 multiplies and 29 adds

* to be done in the DCT itself.

* The primary disadvantage of this method is that with a fixed-point

* implementation, accuracy is lost due to imprecise representation of the

* scaled quantization values. However, that problem does not arise if

* we use floating point arithmetic.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctflt.c

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

/*

* jdmarker.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1998, Thomas G. Lane.

* Modifications:

* Copyright (C) 2012, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains routines to decode JPEG datastream markers.

* Most of the complexity arises from our desire to support input

* suspension: if not all of the data for a marker is available,

* we must exit back to the application. On resumption, we reprocess

* the marker.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmarker.c

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

/*

* jerror.h

*

* Copyright (C) 1994-1997, Thomas G. Lane.

* Modified 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 defines the error and message codes for the JPEG library.

* Edit this file to add new codes, or to translate the message strings to

* some other language.

* A set of error-reporting macros are defined too. Some applications using

* the JPEG library may wish to include this file to get the error codes

* and/or the macros.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jerror.h

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 ppmtogif from the PBMPLUS distribution
 * of Feb. 1991. That file contains the following copyright notice:
 * Based on GIFENCOD 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrgif.c

```

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

; For conditions of distribution and use, see copyright notice in jsimdext.inc

Found in path(s):

```

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmergs2-64.asm

```

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrass2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2f.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcsammmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2flt.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmermmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdclrmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcclrmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jccolss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgryss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/ji3dnflt.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2f-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdcolmmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcclrss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdsammmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdsamss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmerss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqntsse.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdcolss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jccolmmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrymmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfsseflt.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmrgmmx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgryss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqntmmx.asm

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdcolss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jfsseflt-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jf3dnflt.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcsamss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdclrss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdsamss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcclrss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2red.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcsamss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmrgss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2i-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdclrss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimdcpu.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnts2i.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrass2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jccolss2.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jisseflt.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdmrgss2-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcgrammx.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jimmxred.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2red-64.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jcqnt3dn.asm
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jiss2flt-64.asm

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```
/*
 * jquant1.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 1-pass color quantization (color mapping) routines.
 * These routines provide mapping to a fixed color map using equally spaced
 * color values. Optional Floyd-Steinberg or ordered dithering is available.
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jquant1.c
```

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Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_arm_neon.S
```

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```
/*
 * jcrepct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the compression preprocessing controller.
 * This controller manages the color conversion, downsampling,
 * and edge expansion steps.
 *
 * Most of the complexity here is associated with buffering input rows
 * as required by the downsampler. See the comments at the head of
 * jcsample.c for the downsampler's needs.
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
```

turbo-1.2.90/jcprept.c

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```
/*
 * 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 stdio stream).
 * While these routines are sufficient for most applications,
 * some will want to use a different destination manager.
 * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
 * JOCTETs into 8-bit-wide elements on external storage. If char is wider
 * than 8 bits on your machine, you may need to do some tweaking.
 */
```

Found in path(s):

`/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatadst-tj.c`

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

```
/*
 * Copyright (C)2011 D. R. Commander. All Rights Reserved.
 *
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 * modification, are permitted provided that the following conditions are met:
 *
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 * CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
```

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* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
* POSSIBILITY OF SUCH DAMAGE.

*/

```
package org.libjpegturbo.turbojpeg;
```

```
final class TJLoader {  
    static void load() {  
        System.loadLibrary("@TURBOJPEG_DLL_NAME@");  
    }  
};
```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java.in

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

/*

* jdcolect.c

*

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* Copyright (C) 1991-1997, Thomas G. Lane.

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* For conditions of distribution and use, see the accompanying README file.

*

* This file contains output colorspace conversion routines.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdcolect.c

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

/*

* wrtle.c

*

* Copyright (C) 1991-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains routines to write output images in RLE format.

* The Utah Raster Toolkit library is required (version 3.1 or later).

*

* These routines may need modification for non-Unix environments or

* specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * Based on code contributed by Mike Lijewski,
 * with updates from Robert Hutchinson.
 */

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrrle.c

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

```
{\rtf1\ansi\ansicpg1252\cocoartf1038\cocoasubrtf350
{\fonttbl{\f0\fswiss\fcharset0 Helvetica;}
{\colortbl;\red255\green255\blue255;}
{\*\listtable{\list\listtemplateid1\listhybrid{\listlevel\levelnfc23\levelnfc23\leveljcn0\leveljcn0\levelfollow0\levelstartat1\levelspace360\levelindent0{\*\levelmarker \{disc\}}{\leveltext\leveltemplateid1\01\uc0\u8226
;}{\levelnumbers;}\fi-360\li720\lin720 }{\listname ;}\listid1 }
{\*\listoverridetable{\listoverride\listid1\listoverridecount0\ls1 }
\margl1440\margr1440\vieww9820\viewh8480\viewkind0
\deftab720
\pard\pardeftab720
```

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```
\
\pard\tx220\tx720\pardeftab720\li720\fi-720
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{\listtext \95 }Neither the name of the libjpeg-turbo Project nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.\
\pard\pardeftab720\qc
\cf0 \
\pard\pardeftab720
```

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Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/License.rtf

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

/*

* jconfig.txt

*

* Copyright (C) 1991-1994, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file documents the configuration options that are required to

* customize the JPEG software for a particular system.

*

* The actual configuration options for a particular installation are stored

* in jconfig.h. On many machines, jconfig.h can be generated automatically

* or copied from one of the "canned" jconfig files that we supply. But if

* you need to generate a jconfig.h file by hand, this file tells you how.

*

* DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.

* EDIT A COPY NAMED JCONFIG.H.

*/

/*

* These symbols indicate the properties of your machine or compiler.

* #define the symbol if yes, #undef it if no.

*/

/* Does your compiler support function prototypes?

* (If not, you also need to use ansi2knr, see install.txt)

*/

#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char" ?

* How about "unsigned short" ?

*/

#define HAVE_UNSIGNED_CHAR

#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.

* NOTE: be sure to define void such that "void *" represents the most general

* pointer type, e.g., that returned by malloc().

*/

/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.

```

*/
/* #define const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead.
*/
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
* unless you are using a large-data memory model or 80386 flat-memory mode.
* On less brain-damaged CPUs this symbol must not be defined.
* (Defining this symbol causes large data structures to be referenced through
* "far" pointers and to be allocated with a special version of malloc.)
*/
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/

```

```

#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#ifdef _WIN32
#ifndef __RPCNDR_H__ /* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN /* prevent jmorecfg.h from redefining it */
#endif

/*
* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/

#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 cjpeg.c or djpeg.c.
```

```
*/
```

```
#undef TWO_FILE_COMMANDLINE
```

```
/* Define this if your system needs explicit cleanup of temporary files.
```

```
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
```

```
*/
```

```
#undef NEED_SIGNAL_CATCHER
```

```
/* By default, we open image files with fopen(...,"rb") or fopen(...,"wb").
```

```
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
```

```
*/
```

```
#undef DONT_USE_B_MODE
```

```
/* Define this if you want percent-done progress reports from cjpeg/djpeg.
```

```
*/
```

```
#undef PROGRESS_REPORT
```

```
#endif /* JPEG_CJPEG_DJPEG */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jconfig.txt
```

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

```
/*
```

```
* jmorecfg.h
```

```
*/
```

```
* This file was part of the Independent JPEG Group's software:
```

```
* Copyright (C) 1991-1997, Thomas G. Lane.
```

```
* Modifications:
```

```
* Copyright (C) 2009, 2011, D. R. Commander.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*/
```

```
* This file contains additional configuration options that customize the
```

```
* JPEG software for special applications or support machine-dependent
```

```
* optimizations. Most users will not need to touch this file.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jmorecfg.h
```

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

```
/*
 * rdcolmap.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file implements djpeg's "-map file" switch. It reads a source image
 * and constructs a colormap to be supplied to the JPEG decompressor.
 *
 * Currently, these file formats are supported for the map file:
 * GIF: the contents of the GIF's global colormap are used.
 * PPM (either text or raw flavor): the entire file is read and
 *   each unique pixel value is entered in the map.
 * Note that reading a large PPM file will be horrendously slow.
 * Typically, a PPM-format map file should contain just one pixel
 * of each desired color. Such a file can be extracted from an
 * ordinary image PPM file with ppmtomap(1).
 *
 * Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
 * currently implemented.
 */
/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
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** implied warranty.
*/
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdcolmap.c
```

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

```
/*
 * jdhuft.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010-2011, D. R. Commander.
```

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains declarations for Huffman entropy decoding routines

* that are shared between the sequential decoder (jdhuff.c) and the

* progressive decoder (jdphuff.c). No other modules need to see these.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdhuff.h

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

/*

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*

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* modification, are permitted provided that the following conditions are met:

*

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*

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* CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF

* SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS

* INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN

* CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)

* ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE

* POSSIBILITY OF SUCH DAMAGE.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/java/TJBench.java

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/tjunittest.c

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg.h

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-

turbo-1.2.90/tjbench.c

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/turbojpeg.c

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

/*

* jdmgext.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1994-1996, Thomas G. Lane.

* Modifications:

* Copyright (C) 2011, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains code for merged upsampling/color conversion.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmgext.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,

* Speech, and Signal Processing 1989 (ICASSP '89), pp. 988-991.

* The primary algorithm described there uses 11 multiplies and 29 adds.

* We use their alternate method with 12 multiplies and 32 adds.

* The advantage of this method is that no data path contains more than one

* multiplication; this allows a very simple and accurate implementation in

* scaled fixed-point arithmetic, with a minimal number of shifts.

*/

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctint.c
```

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

```
/*
```

```
* jsimd_x86_64.c
```

```
*
```

```
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
```

```
* Copyright 2009-2011 D. R. Commander
```

```
*
```

```
* Based on the x86 SIMD extension for IJG JPEG library,
```

```
* Copyright (C) 1999-2006, MIYASAKA Masaru.
```

```
* For conditions of distribution and use, see copyright notice in jsimdext.inc
```

```
*
```

```
* This file contains the interface between the "normal" portions
```

```
* of the library and the SIMD implementations when running on a
```

```
* x86_64 architecture.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_x86_64.c
```

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

```
/*
```

```
* simd/jsimd.h
```

```
*
```

```
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
```

```
* Copyright 2011 D. R. Commander
```

```
*
```

```
* Based on the x86 SIMD extension for IJG JPEG library,
```

```
* Copyright (C) 1999-2006, MIYASAKA Masaru.
```

```
* For conditions of distribution and use, see copyright notice in jsimdext.inc
```

```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd.h
```

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

```
/*
```

```
* wrtarga.c
```

```
*
```

```
* Copyright (C) 1991-1996, Thomas G. Lane.
```

```
* This file is part of the Independent JPEG Group's software.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```


* This file contains routines to write output images in Targa format.
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrtarga.c

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

/*
* 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](mailto: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
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/doc/html/jquery.js

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

* (implementing the ISO/IEC IS 10918-1 and CCITT Recommendation ITU-T T.81).

*

* Both sequential and progressive modes are supported in this single module.

*

* Suspension is not currently supported in this module.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdarith.c

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

/*

* jchuff.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1997, Thomas G. Lane.

* Modifications:

* Copyright (C) 2009-2011, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains Huffman entropy encoding routines.

*

* Much of the complexity here has to do with supporting output suspension.

* If the data destination module demands suspension, we want to be able to

* back up to the start of the current MCU. To do this, we copy state

* variables into local working storage, and update them back to the

* permanent JPEG objects only upon successful completion of an MCU.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jchuff.c

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

```
/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library.  These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c.  But also see jcparam.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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcapimin.c
```

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

```
/*
 * jddctmgr.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2002-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the inverse-DCT management logic.
 * This code selects a particular IDCT implementation to be used,
 * and it performs related housekeeping chores.  No code in this file
 * is executed per IDCT step, only during output pass setup.
 *
 * Note that the IDCT routines are responsible for performing coefficient
 * dequantization as well as the IDCT proper.  This module sets up the
 * dequantization multiplier table needed by the IDCT routine.
 */
```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jddctmgr.c

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

/*

* jpegcomp.h

*

* Copyright (C) 2010, D. R. Commander

* For conditions of distribution and use, see the accompanying README file.

*

* JPEG compatibility macros

* These declarations are considered internal to the JPEG library; most

* applications using the library shouldn't need to include this file.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpegcomp.h

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

/*

* jctrans.c

*

* Copyright (C) 1995-1998, Thomas G. Lane.

* Modified 2000-2009 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 library routines for transcoding compression,

* that is, writing raw DCT coefficient arrays to an output JPEG file.

* The routines in jcapimin.c will also be needed by a transcoder.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jctrans.c

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

/*

* jdct.h

*

* Copyright (C) 1994-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This include file contains common declarations for the forward and

* inverse DCT modules. These declarations are private to the DCT managers

* (jcdctmgr.c, 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdct.h

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

/*

* jdatasrc.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1994-1996, Thomas G. Lane.

* Modified 2009-2011 by Guido Vollbeding.

* Modifications:

* Copyright (C) 2013, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains decompression data source routines for the case of

* reading JPEG data from memory or from a file (or any stdio stream).

* While these routines are sufficient for most applications,

* some will want to use a different source manager.

* IMPORTANT: we assume that fread() will correctly transcribe an array of

* JOCTETs from 8-bit-wide elements on external storage. If char is wider

* than 8 bits on your machine, you may need to do some tweaking.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdatasrc.c

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

/*

* jsimd_arm.c

*

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

* Copyright 2009-2011 D. R. Commander

*

* Based on the x86 SIMD extension for IJG JPEG library,

* Copyright (C) 1999-2006, MIYASAKA Masaru.

* For conditions of distribution and use, see copyright notice in jsimdext.inc

*

* This file contains the interface between the "normal" portions

* of the library and the SIMD implementations when running on

* ARM architecture.

*

* Based on the stubs from 'jsimd_none.c'

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_arm.c

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

/*

* 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdphuff.c

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

** Background

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and

VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

** License

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

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** Using libjpeg-turbo

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality

that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

=====
Installation Directory
=====

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

=====
Replacing libjpeg at Run Time
=====

Un*x

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]

```
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s
```

[Using libjpeg-turbo]

```
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/{lib}:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.109s
user 0m0.029s
sys 0m0.010s
```


({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)

System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

=====

Using libjpeg-turbo in Your Own Programs

=====

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

```
CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}
```

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

```
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 line.

To build Visual C++ applications using libjpeg-turbo, add `c:\libjpeg-turbo[64]\include` to the system or user INCLUDE environment variable and `c:\libjpeg-turbo[64]\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 colorspace 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:

```
#ifdef JCS_ALPHA_EXTENSIONS
```

`jcstest.c`, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

```
=====
```

libjpeg v7 and v8 API/ABI Emulation

=====

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of `--with-jpeg7` or `--with-jpeg8` to `configure`, or an argument of `-DWITH_JPEG7=1` or `-DWITH_JPEG8=1` to `cmake`, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:

Fully supported:

- libjpeg: IDCT scaling extensions in decompressor
libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)
- libjpeg: arithmetic coding
- libjpeg: In-memory source and destination managers
See notes below.
- cjpeg: Separate quality settings for luminance and chrominance
Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see `rdswitch.c` for an example.)
- cjpeg: 32-bit BMP support
- cjpeg: `-rgb` option

- jpegtran: lossless cropping
- jpegtran: -perfect option
- jpegtran: forcing width/height when performing lossless crop
- rdjpgcom: -raw option
- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at <http://www.libjpeg-turbo.org/About/SmartScale> and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files

This requires the SmartScale feature, which is not supported.

What About libjpeg v9?

libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====

In-Memory Source/Destination Managers

=====

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and it allows those functions to be provided in the "official" libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH_MEM_SRCDEST=0 to CMake prior to building libjpeg-turbo. This will restore the pre-1.3 behavior, in which jpeg_mem_src() and jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(),

that program will not fail if run against an older version of libjpeg-turbo or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or jpeg_mem_dest(). Such is not the case on Windows. If a program is built against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

** Mathematical Compatibility

For the most part, libjpeg-turbo should produce identical output to libjpeg v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.
- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.
- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.
- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

** Performance Pitfalls

=====
Restart Markers
=====

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

=====
Fast Integer Forward DCT at High Quality Levels
=====

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/README-turbo.txt

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

/*

* cdjpeg.h

*

* Copyright (C) 1994-1997, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains common declarations for the sample applications

* cjpeg and djpeg. It is NOT used by the core JPEG library.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cdjpeg.h

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

/*

* jsimd_i386.c

*

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* 32-bit x86 architecture.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jsimd_i386.c

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. *

*

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* CompuServe Incorporated. GIF(sm) is a Service Mark property of

* CompuServe Incorporated."

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdgif.c

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

/*

* jdinput.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1997, Thomas G. Lane.

* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains 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, jdhuft.c, and jdphuff.c.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdinput.c

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

/*
* jfdctfst.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a fast, not so accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
*
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
*
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jfdctfst.c

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

libjpeg-turbo note: This file has been modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo, to wordsmith certain sections, and to remove impolitic language that existed in the libjpeg v8 README. It is included only for reference. Please see README-turbo.txt for information specific to libjpeg-turbo.

The Independent JPEG Group's JPEG software

=====

This distribution contains a release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP

=====

This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG

decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

LEGAL ISSUES

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In plain English:

1. We don't promise that this software works. (But if you find any bugs, please let us know!)
2. You can use this software for whatever you want. You don't have to pay us.
3. You may not pretend that you wrote this software. If you use it in a program, you must acknowledge somewhere in your documentation that you've used the IJG code.

In legalese:

The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

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Permission is hereby granted to use, copy, modify, and distribute this software (or portions thereof) for any purpose, without fee, subject to these conditions:

- (1) If any part of the source code for this software is distributed, then this README file must be included, with this copyright and no-warranty notice unaltered; and any additions, deletions, or changes to the original files

must be clearly indicated in accompanying documentation.

(2) If only executable code is distributed, then the accompanying documentation must state that "this software is based in part on the work of the Independent JPEG Group".

(3) Permission for use of this software is granted only if the user accepts full responsibility for any undesirable consequences; the authors accept NO LIABILITY for damages of any kind.

These conditions apply to any software derived from or based on the IJG code, not just to the unmodified library. If you use our work, you ought to acknowledge us.

Permission is NOT granted for the use of any IJG author's name or company name in advertising or publicity relating to this software or products derived from it. This software may be referred to only as "the Independent JPEG Group's software".

We specifically permit and encourage the use of this software as the basis of commercial products, provided that all warranty or liability claims are assumed by the product vendor.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

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

We are required to state that

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REFERENCES

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

The best short technical introduction to the JPEG compression algorithm is

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

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

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from <http://www.ecma-international.org/publications/techreports/E-TR-098.htm>. A PostScript version of the JFIF document is available at <http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at <http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).

Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

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The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as <http://www.ijg.org/files/jpegsr8d.tar.gz>, and in Windows-compatible "zip" archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at [rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/](ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/). If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

FILE FORMAT WARS

=====

The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files.

Don't use an incompatible file format!

(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

=====

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/README

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

/*

* jpegint.h

*

* Copyright (C) 1991-1997, Thomas G. Lane.

* Modified 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 provides common declarations for the various JPEG modules.

* These declarations are considered internal to the JPEG library; most

* applications using the library shouldn't need to include this file.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpegint.h

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

/*

* jcparam.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1998, Thomas G. Lane.

* Modified 2003-2008 by Guido Vollbeding.

* Modifications:

* Copyright (C) 2009-2011, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains optional default-setting code for the JPEG compressor.

* Applications do not have to use this file, but those that don't use it

* must know a lot more about the innards of the JPEG code.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcparam.c

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

/*

* jdapimin.c

*

* Copyright (C) 1994-1998, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

```
*
* This file contains application interface code for the decompression half
* of the JPEG library. These are the "minimum" API routines that may be
* needed in either the normal full-decompression case or the
* transcoding-only case.
*
* Most of the routines intended to be called directly by an application
* are in this file or in jdapistd.c. But also see jcomapi.c for routines
* shared by compression and decompression, and jdtrans.c for the transcoding
* case.
*/
```

Found in path(s):

```
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdapimin.c
```

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

```
/*
* cerror.h
*
* Copyright (C) 1994-1997, Thomas G. Lane.
* Modified 2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file defines the error and message codes for the cjpeg/djpeg
* applications. These strings are not needed as part of the JPEG library
* proper.
* Edit this file to add new codes, or to translate the message strings to
* some other language.
*/
```

Found in path(s):

```
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/cerror.h
```

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

```
%ifarch x86_64
#define __lib lib64
%else
#define __lib lib
%endif
```

Summary: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs

Name: @PACKAGE_NAME@

Version: @VERSION@

Vendor: The libjpeg-turbo Project

URL: <http://www.libjpeg-turbo.org>

Group: System Environment/Libraries

#-->Source0: <http://prdownloads.sourceforge.net/libjpeg-turbo/libjpeg-turbo-%{version}.tar.gz>

Release: @BUILD@

License: BSD-style

BuildRoot: %{_blddir}/%{name}-buildroot-%{version}-%{release}

Prereq: /sbin/ldconfig

%ifarch x86_64

Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so()(64bit)

%else

Provides: %{name} = %{version}-%{release}, turbojpeg = 2.00, libturbojpeg.so

%endif

Obsoletes: turbojpeg

%description

libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

#-->%prep

#-->%setup -q

#-->%build

#-->./configure libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man

JPEG_LIB_VERSION=@JPEG_LIB_VERSION@ SO_MAJOR_VERSION=@SO_MAJOR_VERSION@

SO_MINOR_VERSION=@SO_MINOR_VERSION@ --with-pic @RPM_CONFIG_ARGS@

#-->make DESTDIR=\$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man

%install

rm -rf \$RPM_BUILD_ROOT

make install DESTDIR=\$RPM_BUILD_ROOT libdir=/opt/%{name}/%{__lib} mandir=/opt/%{name}/man

```

docdir=/opt/{name}/doc examplemdir=/opt/{name}/doc
rm -f $RPM_BUILD_ROOT/opt/{name}/{__lib}/*.la
mkdir -p $RPM_BUILD_ROOT/usr/{__lib}
mv $RPM_BUILD_ROOT/opt/{name}/{__lib}/libturbojpeg.* $RPM_BUILD_ROOT/usr/{__lib}
/sbin/ldconfig -n $RPM_BUILD_ROOT/opt/{name}/{__lib}
/sbin/ldconfig -n $RPM_BUILD_ROOT/usr/{__lib}
mkdir -p $RPM_BUILD_ROOT/usr/include
mv $RPM_BUILD_ROOT/opt/{name}/include/turbojpeg.h $RPM_BUILD_ROOT/usr/include
ln -fs /usr/include/turbojpeg.h $RPM_BUILD_ROOT/opt/{name}/include/
ln -fs /usr/{__lib}/libturbojpeg.a $RPM_BUILD_ROOT/opt/{name}/{__lib}/
mkdir -p $RPM_BUILD_ROOT%{_defaultdocdir}
mv $RPM_BUILD_ROOT/opt/{name}/doc $RPM_BUILD_ROOT%{_defaultdocdir}/{name}-%{version}

```

```
%post -p /sbin/ldconfig
```

```
%postun -p /sbin/ldconfig
```

```
%clean
```

```
rm -rf $RPM_BUILD_ROOT
```

```
%files
```

```
%defattr(-,root,root)
```

```
%dir %{_defaultdocdir}/{name}-%{version}
```

```
%doc %{_defaultdocdir}/{name}-%{version}/*
```

```
%dir /opt/{name}
```

```
%dir /opt/{name}/bin
```

```
/opt/{name}/bin/cjpeg
```

```
/opt/{name}/bin/djpeg
```

```
/opt/{name}/bin/jpegtran
```

```
/opt/{name}/bin/tjbench
```

```
/opt/{name}/bin/rdjpgcom
```

```
/opt/{name}/bin/wrjpgcom
```

```
%dir /opt/{name}/{__lib}
```

```
%ifarch x86_64
```

```
%else
```

```
/opt/{name}/lib32
```

```
%endif
```

```
/opt/{name}/{__lib}/libjpeg.so.@SO_MAJOR_VERSION@.@SO_AGE@.@SO_MINOR_VERSION@
```

```
/opt/{name}/{__lib}/libjpeg.so.@SO_MAJOR_VERSION@
```

```
/opt/{name}/{__lib}/libjpeg.so
```

```
/opt/{name}/{__lib}/libjpeg.a
```

```
/opt/{name}/{__lib}/libturbojpeg.a
```

```
/usr/{__lib}/libturbojpeg.so.0.0.0
```

```
/usr/{__lib}/libturbojpeg.so.0
```

```
/usr/{__lib}/libturbojpeg.so
```

```
/usr/{__lib}/libturbojpeg.a
```

```
/usr/include/turbojpeg.h
```

```
%dir /opt/{name}/include
```

```
/opt/% {name}/include/jconfig.h
/opt/% {name}/include/jerror.h
/opt/% {name}/include/jmorecfg.h
/opt/% {name}/include/jpeglib.h
/opt/% {name}/include/turbojpeg.h
%dir /opt/% {name}/man
%dir /opt/% {name}/man/man1
/opt/% {name}/man/man1/cjpeg.1*
/opt/% {name}/man/man1/djpeg.1*
/opt/% {name}/man/man1/jpegtran.1*
/opt/% {name}/man/man1/rdjpgcom.1*
/opt/% {name}/man/man1/wrjpgcom.1*
@JAVA_RPM_CONTENTS_1@
@JAVA_RPM_CONTENTS_2@
```

%changelog

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/libjpeg-turbo.spec.in

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

/*

* jcmaster.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1997, Thomas G. Lane.

* Modified 2003-2010 by Guido Vollbeding.

* Modifications:

* Copyright (C) 2010, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains master control logic for the JPEG compressor.

* These routines are concerned with parameter validation, initial setup,

* and inter-pass control (determining the number of passes and the work

* to be done in each pass).

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcmaster.c

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

/*

* jdcoefct.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1994-1997, Thomas G. Lane.

* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.
*
* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdcoefct.c

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

/*

* jcphuff.c

*

* Copyright (C) 1995-1997, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains Huffman entropy encoding routines for progressive JPEG.

*

* We do not support output suspension in this module, since the library

* currently does not allow multiple-scan files to be written with output

* suspension.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcphuff.c

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

/*

* djpeg.c

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-1997, Thomas G. Lane.

* Modifications:

* Copyright (C) 2010-2011, 2013, D. R. Commander.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains a command-line user interface for the JPEG decompressor.

* It should work on any system with Unix- or MS-DOS-style command lines.

```
*
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* djpeg [options] inputfile outputfile
* djpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* djpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
*/
```

Found in path(s):

```
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/djpeg.c
```

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

```
/*
* jdmaster.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2002-2009 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2009-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains master control logic for the JPEG decompressor.
* These routines are concerned with selecting the modules to be executed
* and with determining the number of passes and the work to be done in each
* pass.
*/
```

Found in path(s):

```
*/opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmaster.c
```

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

```
Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
```

Maintainer: The libjpeg-turbo Project [<http://www.libjpeg-turbo.org>]

Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/deb-control.tpl
```

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

```
;  
; jdct.inc - private declarations for forward & reverse DCT subsystems  
;  
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB  
;  
; Based on  
; x86 SIMD extension for IJG JPEG library  
; Copyright (C) 1999-2006, MIYASAKA Masaru.  
; For conditions of distribution and use, see copyright notice in jsimdext.inc  
;  
; [TAB8]  
  
; Each IDCT routine is responsible for range-limiting its results and  
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could  
; be quite far out of range if the input data is corrupt, so a bulletproof  
; range-limiting step is required. We use a mask-and-table-lookup method  
; to do the combined operations quickly.  
;  
%define RANGE_MASK (MAXJSAMPLE * 4 + 3) ; 2 bits wider than legal samples
```



```
%define ROW(n,b,s) ((b)+(n)*(s))
%define COL(n,b,s) ((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s) ((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)
```

```
;-----
```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/simd/jdct.inc

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

```
/*
```

```
* jdsample.c
```

```
*
```

```
* This file was part of the Independent JPEG Group's software:
```

```
* Copyright (C) 1991-1996, Thomas G. Lane.
```

```
* Modifications:
```

```
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
```

```
* Copyright (C) 2010, D. R. Commander.
```

```
* For conditions of distribution and use, see the accompanying README file.
```

```
*
```

```
* This file contains upsampling routines.
```

```
*
```

```
* Upsampling input data is counted in "row groups". A row group
```

```
* is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
```

```
* sample rows of each component. Upsampling will normally produce
```

```
* max_v_samp_factor pixel rows from each row group (but this could vary
```

```
* if the upsampler is applying a scale factor of its own).
```

```
*
```

```
* An excellent reference for image resampling is
```

```
* Digital Image Warping, George Wolberg, 1990.
```

```
* Pub. by IEEE Computer Society Press, Los Alamitos, CA. ISBN 0-8186-8944-7.
```

```
*/
```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdsample.c

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

1.2.90 (1.3 beta1)

=====

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will

not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The `tjDecompressToYUV()` function now supports the `TJFLAG_FASTDCT` flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in `/usr/lib/i386-linux-gnu` for the TurboJPEG libraries in `/usr/lib32`. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass `-Djava.library.path=/usr/lib` to java.

[7] `TJBench` has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with `'java -cp turbojpeg.jar TJBench'`.

[8] `cjpeg` can now be used to generate JPEG files with the RGB colorspace (feature ported from `jpeg-8d`.)

[9] The width and height in the `-crop` argument passed to `jpegtran` can now be suffixed with "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 1.2.1[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.

[6] Added SIMD acceleration for performing 4:2:2 upsampling on NEON-capable ARM platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly

divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form "'%define' expects a macro identifier".

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0

=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdcfg.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.

[6] Eliminated excessive I/O overhead that occurred when reading BMP files in cjpeg.

[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.

[4] Fixed visual artifacts in grayscale JPEG compression caused by a typo in the RGB-to-luminance lookup tables.

[5] The Windows distribution packages now include the libjpeg run-time programs (cjpeg, etc.)

[6] All packages now include jpgtest.

[7] The TurboJPEG dynamic library now uses versioned symbols.

[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)

=====

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See

README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.

[2] Created a new CMake-based build system for the Visual C++ and MinGW builds.

[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.

[4] jpgtest can now be used to test decompression performance with existing JPEG images.

[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.

[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.

[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)

[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.

[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.

[10] Added further protections against invalid Huffman codes.

1.0.1

=====

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.

[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.

[3] configure script will now automatically determine whether the INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0

=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify --host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG include file can always be found in /opt/libjpeg-turbo/include, the 32-bit static libraries can always be found in /opt/libjpeg-turbo/lib32, and the 64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time programs (cjpeg, etc.) and man pages.

[4] Created a 32-bit supplementary package for amd64 Debian systems, which contains just the 32-bit libjpeg-turbo libraries.

[5] Moved the libraries from */lib32 to */lib in the i386 Debian package.

[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and unit tests now work on those architectures.

0.0.93

=====

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91

=====

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90

=====

Initial release

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/ChangeLog.txt

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

```
/*
 * jpeglib.h
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, 2013, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpeglib.h
```

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

```
/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 *
 * Based on the x86 SIMD extension for IJG JPEG library,
 * Copyright (C) 1999-2006, MIYASAKA Masaru.
 * For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
 * This file contains stubs for when there is no SIMD support available.
 */
```

Found in path(s):

```
* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jsimd_none.c
```

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

```
# Copyright (C)2009-2011 D. R. Commander. All Rights Reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
#
# - Redistributions of source code must retain the above copyright notice,
# this list of conditions and the following disclaimer.
# - Redistributions in binary form must reproduce the above copyright notice,
```

```
# this list of conditions and the following disclaimer in the documentation
# and/or other materials provided with the distribution.
# - Neither the name of the libjpeg-turbo Project nor the names of its
# contributors may be used to endorse or promote products derived from this
# software without specific prior written permission.
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS",
# AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
# IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
# ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR CONTRIBUTORS BE
# LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
# CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
# SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
# INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
# CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
# POSSIBILITY OF SUCH DAMAGE.
```

```
#!/bin/sh
```

```
if [ ! "`id -u`" = "0" ]; then
    echo "ERROR: This script must be executed as root"
    exit -1
fi
```

```
PACKAGE=@PACKAGE_NAME@
MACPACKAGE=com.$PACKAGE.$PACKAGE
RECEIPT=/Library/Receipts/$PACKAGE.pkg
```

```
LSBOM=
if [ -d $RECEIPT ]; then
    LSBOM='lsbom -s -f -l '$RECEIPT'/Contents/Archive.bom'
else
    LSBOM='pkgutil --files '$MACPACKAGE
fi
```

```
mylsbom()
{
    $LSBOM || (echo "ERROR: Could not list package contents"; exit -1)
}
```

```
echo Removing package files ...
EXITSTATUS=0
pushd /
mylsbom | while read file; do
    if [ ! -d "$file" ]; then rm "$file" 2>&1 || EXITSTATUS=-1; fi
done
popd
```

```

echo Removing package directories ...
if [ -d /opt/$PACKAGE/bin ]; then
  rmdir /opt/$PACKAGE/bin 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/lib ]; then
  rmdir /opt/$PACKAGE/lib 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/include ]; then
  rmdir /opt/$PACKAGE/include 2>&1 || EXITSTATUS=-1
fi
rm /opt/$PACKAGE/lib32 2>&1 || EXITSTATUS=-1
rm /opt/$PACKAGE/lib64 2>&1 || EXITSTATUS=-1
if [ -d /opt/$PACKAGE/man/man1 ]; then
  rmdir /opt/$PACKAGE/man/man1 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/man ]; then
  rmdir /opt/$PACKAGE/man 2>&1 || EXITSTATUS=-1
fi
if [ -d /opt/$PACKAGE/classes ]; then
  rmdir /opt/$PACKAGE/classes 2>&1 || EXITSTATUS=-1
fi
rmdir /opt/$PACKAGE 2>&1 || EXITSTATUS=-1
rmdir /Library/Documentation/$PACKAGE 2>&1 || EXITSTATUS=-1

if [ -d $RECEIPT ]; then
  echo Removing package receipt ...
  rm -r $RECEIPT 2>&1 || EXITSTATUS=-1
else
  echo Forgetting package $MACPACKAGE ...
  pkgutil --forget $MACPACKAGE
fi

exit $EXITSTATUS

```

Found in path(s):

```

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/release/uninstall.in

```

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

/*

* rdtarga.c

*

* Copyright (C) 1991-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains routines to read input images in Targa format.

*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
*
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdtarga.c

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

/*
* jaricom.c
*
* Developed 1997-2009 by Guido Vollbeding.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains probability estimation tables for common use in
* arithmetic entropy encoding and decoding routines.
*
* This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
* and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
* (ISO/IEC IS 11544 and CCITT Recommendation ITU-T T.82).
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jaricom.c

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

/*
* jpegtran.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for JPEG transcoding.
* It is very similar to cjpeg.c, and partly to djpeg.c, but provides
* lossless transcoding between different JPEG file formats. It also

* provides some lossless and sort-of-lossless transformations of JPEG data.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jpegtran.c

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

/*

* jcomapi.c

*

* Copyright (C) 1994-1997, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains application interface routines that are used for both

* compression and decompression.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcomapi.c

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

/*

* 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcinit.c

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

/*

* jsimddct.h

*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jsimddct.h

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

/*
* jchuff.h
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for Huffman entropy encoding routines
* that are shared between the sequential encoder (jchuff.c) and the
* progressive encoder (jcphuff.c). No other modules need to see these.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jchuff.h

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

// Natural Docs is licensed under the GPL.

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/doc/html/search/search.js

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

/*
* jdmainct.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for decompression.

* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
*
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jdmainct.c

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

/*

* jerror.c

*

* Copyright (C) 1991-1998, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains simple error-reporting and trace-message routines.

* These are suitable for Unix-like systems and others where writing to

* stderr is the right thing to do. Many applications will want to replace

* some or all of these routines.

*

* If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,

* you get a Windows-specific hack to display error messages in a dialog box.

* It ain't much, but it beats dropping error messages into the bit bucket,

* which is what happens to output to stderr under most Windows C compilers.

*

* These routines are used by both the compression and decompression code.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jerror.c

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

/*

* jcapistd.c

*

* Copyright (C) 1994-1996, Thomas G. Lane.

* This file is part of the Independent JPEG Group's software.

* For conditions of distribution and use, see the accompanying README file.

*

* This file contains application interface code for the compression half

* of the JPEG library. These are the "standard" API routines that are

* used in the normal full-compression case. They are not used by a

* transcoding-only application. Note that if an application links in

* jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jcapistd.c

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

IJG JPEG LIBRARY: CODING RULES

Copyright (C) 1991-1996, Thomas G. Lane.

This file is part of the Independent JPEG Group's software.

For conditions of distribution and use, see the accompanying README file.

Since numerous people will be contributing code and bug fixes, it's important to establish a common coding style. The goal of using similar coding styles is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and Brader). This document is available in the IJG FTP archive (see jpeg/doc/cstyle.ms.tbl.Z, or cstyle.txt.Z for those without nroff/tbl).

Block comments should be laid out thusly:

```
/*  
* Block comments in this style.  
*/
```

We indent statements in K&R style, e.g.,

```
if (test) {  
    then-part;  
} else {  
    else-part;  
}
```

with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g., multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

```
LOCAL(int *)
function_name (int a, char *b)
{
    code...
}
```

Note that each function definition must begin with GLOBAL(type), LOCAL(type), or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

```
#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 cjpeg.c and djpeg.c, do not begin with "j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/coderules.txt

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/*

* jmemnobs.c

*

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*

* This file provides a really simple implementation of the system-

* dependent portion of the JPEG memory manager. This implementation

* assumes that no backing-store files are needed: all required space

* can be obtained from malloc().
* This is very portable in the sense that it'll compile on almost anything,
* but you'd better have lots of main memory (or virtual memory) if you want
* to process big images.
* Note that the max_memory_to_use option is ignored by this implementation.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmemnobs.c

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/*

* jsimd.h

*

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB

* Copyright 2011 D. R. Commander

*

* Based on the x86 SIMD extension for IJG JPEG library,

* Copyright (C) 1999-2006, MIYASAKA Masaru.

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*

*/

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/*

* jmemmgr.c

*

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*

* This file contains the JPEG system-independent memory management

* routines. This code is usable across a wide variety of machines; most

* of the system dependencies have been isolated in a separate file.

* The major functions provided here are:

* * pool-based allocation and freeing of memory;

* * policy decisions about how to divide available memory among the

* virtual arrays;

* * control logic for swapping virtual arrays between main memory and

* backing storage.

* The separate system-dependent file provides the actual backing-storage

* access code, and it contains the policy decision about how much total

* main memory to use.

* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

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* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jmemmgr.c

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/*

* rdjpgcom.c

*

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* Modified 2009 by Bill Allombert, Guido Vollbeding.

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*

* This file contains a very simple stand-alone application that displays

* the text in COM (comment) markers in a JFIF file.

* This may be useful as an example of the minimum logic needed to parse

* JPEG markers.

*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/rdjpgcom.c

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

/*

* jidctfst.c

*

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*

* This file contains a fast, not so accurate integer implementation of the

* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine

* must also perform dequantization of the input coefficients.

*

* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT

* on each row (or vice versa, but it's more convenient to emit a row at

* a time). Direct algorithms are also available, but they are much more

* complex and seem not to be any faster when reduced to code.

*

* This implementation is based on Arai, Agui, and Nakajima's algorithm for

* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/jidctfst.c

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/*

* jidctint.c

*

* Copyright (C) 1991-1998, Thomas G. Lane.

* Modification developed 2002-2009 by Guido Vollbeding.

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*

* This file contains a slow-but-accurate integer implementation of the
* inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
* must also perform dequantization of the input coefficients.

*

* A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
* on each row (or vice versa, but it's more convenient to emit a row at
* a time). Direct algorithms are also available, but they are much more
* complex and seem not to be any faster when reduced to code.

*

* This implementation is based on an algorithm described in

* C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT

* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,

* Speech, and Signal Processing 1989 (ICASSP '89), pp. 988-991.

* 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/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-
turbo-1.2.90/jidctint.c

```

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```

/*
* wrbmp.c
*
* 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.
*/

```

Found in path(s):

* /opt/cola/permits/1125758154_1612167959.68/0/libjpeg-turbo-1-2-90-tgz/libjpeg-turbo-1-2-90-tar-gz/libjpeg-turbo-1.2.90/wrbmp.c

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/*

* rdppm.c

*

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* Modified 2009 by Bill Allombert, Guido Vollbeding.

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*

* This file contains routines to read input images in PPM/PGM format.

* The extended 2-byte-per-sample raw PPM/PGM formats are supported.

* The PBMPLUS library is NOT required to compile this software

* (but it is highly useful as a set of PPM image manipulation programs).

*

* These routines may need modification for non-Unix environments or

* specialized applications. As they stand, they assume input from

* an ordinary stdio stream. They further assume that reading begins

* at the start of the file; start_input may need work if the

* user interface has already read some data (e.g., to determine that

* the file is indeed PPM format).

*/

/* Portions of this code are based on the PBMPLUS library, which is:

**

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**

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/*

* jversion.h

*

* This file was part of the Independent JPEG Group's software:

* Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.

* Modifications:

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*

* This file contains software version identification.

*/

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1.319 joda-time 2.8.1

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=====

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1.320 tiles-request-jsp 1.0.7

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StartFontMetrics 4.1

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Comment Creation Date: Thu May 1 13:04:06 1997

Comment UniqueID 43066

Comment VMusage 45874 56899

FontName Times-BoldItalic

FullName Times Bold Italic

FamilyName Times

Weight Bold

ItalicAngle -15

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -200 -218 996 921

UnderlinePosition -100

UnderlineThickness 50

Version 002.000

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EncodingScheme AdobeStandardEncoding

CapHeight 669

XHeight 462

Ascender 683

Descender -217

StdHW 42

StdVW 121

StartCharMetrics 315

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C 33 ; WX 389 ; N exclam ; B 67 -13 370 684 ;

C 34 ; WX 555 ; N quotedbl ; B 136 398 536 685 ;

C 35 ; WX 500 ; N numbersign ; B -33 0 533 700 ;

C 36 ; WX 500 ; N dollar ; B -20 -100 497 733 ;

C 37 ; WX 833 ; N percent ; B 39 -10 793 692 ;

C 38 ; WX 778 ; N ampersand ; B 5 -19 699 682 ;

C 39 ; WX 333 ; N quoteright ; B 98 369 302 685 ;

C 40 ; WX 333 ; N parenleft ; B 28 -179 344 685 ;

C 41 ; WX 333 ; N parenright ; B -44 -179 271 685 ;

C 42 ; WX 500 ; N asterisk ; B 65 249 456 685 ;

C 43 ; WX 570 ; N plus ; B 33 0 537 506 ;

C 44 ; WX 250 ; N comma ; B -60 -182 144 134 ;

C 45 ; WX 333 ; N hyphen ; B 2 166 271 282 ;

C 46 ; WX 250 ; N period ; B -9 -13 139 135 ;
C 47 ; WX 278 ; N slash ; B -64 -18 342 685 ;
C 48 ; WX 500 ; N zero ; B 17 -14 477 683 ;
C 49 ; WX 500 ; N one ; B 5 0 419 683 ;
C 50 ; WX 500 ; N two ; B -27 0 446 683 ;
C 51 ; WX 500 ; N three ; B -15 -13 450 683 ;
C 52 ; WX 500 ; N four ; B -15 0 503 683 ;
C 53 ; WX 500 ; N five ; B -11 -13 487 669 ;
C 54 ; WX 500 ; N six ; B 23 -15 509 679 ;
C 55 ; WX 500 ; N seven ; B 52 0 525 669 ;
C 56 ; WX 500 ; N eight ; B 3 -13 476 683 ;
C 57 ; WX 500 ; N nine ; B -12 -10 475 683 ;
C 58 ; WX 333 ; N colon ; B 23 -13 264 459 ;
C 59 ; WX 333 ; N semicolon ; B -25 -183 264 459 ;
C 60 ; WX 570 ; N less ; B 31 -8 539 514 ;
C 61 ; WX 570 ; N equal ; B 33 107 537 399 ;
C 62 ; WX 570 ; N greater ; B 31 -8 539 514 ;
C 63 ; WX 500 ; N question ; B 79 -13 470 684 ;
C 64 ; WX 832 ; N at ; B 63 -18 770 685 ;
C 65 ; WX 667 ; N A ; B -67 0 593 683 ;
C 66 ; WX 667 ; N B ; B -24 0 624 669 ;
C 67 ; WX 667 ; N C ; B 32 -18 677 685 ;
C 68 ; WX 722 ; N D ; B -46 0 685 669 ;
C 69 ; WX 667 ; N E ; B -27 0 653 669 ;
C 70 ; WX 667 ; N F ; B -13 0 660 669 ;
C 71 ; WX 722 ; N G ; B 21 -18 706 685 ;
C 72 ; WX 778 ; N H ; B -24 0 799 669 ;
C 73 ; WX 389 ; N I ; B -32 0 406 669 ;
C 74 ; WX 500 ; N J ; B -46 -99 524 669 ;
C 75 ; WX 667 ; N K ; B -21 0 702 669 ;
C 76 ; WX 611 ; N L ; B -22 0 590 669 ;
C 77 ; WX 889 ; N M ; B -29 -12 917 669 ;
C 78 ; WX 722 ; N N ; B -27 -15 748 669 ;
C 79 ; WX 722 ; N O ; B 27 -18 691 685 ;
C 80 ; WX 611 ; N P ; B -27 0 613 669 ;
C 81 ; WX 722 ; N Q ; B 27 -208 691 685 ;
C 82 ; WX 667 ; N R ; B -29 0 623 669 ;
C 83 ; WX 556 ; N S ; B 2 -18 526 685 ;
C 84 ; WX 611 ; N T ; B 50 0 650 669 ;
C 85 ; WX 722 ; N U ; B 67 -18 744 669 ;
C 86 ; WX 667 ; N V ; B 65 -18 715 669 ;
C 87 ; WX 889 ; N W ; B 65 -18 940 669 ;
C 88 ; WX 667 ; N X ; B -24 0 694 669 ;
C 89 ; WX 611 ; N Y ; B 73 0 659 669 ;
C 90 ; WX 611 ; N Z ; B -11 0 590 669 ;
C 91 ; WX 333 ; N bracketleft ; B -37 -159 362 674 ;
C 92 ; WX 278 ; N backslash ; B -1 -18 279 685 ;
C 93 ; WX 333 ; N bracketright ; B -56 -157 343 674 ;

C 94 ; WX 570 ; N asciicircum ; B 67 304 503 669 ;
C 95 ; WX 500 ; N underscore ; B 0 -125 500 -75 ;
C 96 ; WX 333 ; N quoteleft ; B 128 369 332 685 ;
C 97 ; WX 500 ; N a ; B -21 -14 455 462 ;
C 98 ; WX 500 ; N b ; B -14 -13 444 699 ;
C 99 ; WX 444 ; N c ; B -5 -13 392 462 ;
C 100 ; WX 500 ; N d ; B -21 -13 517 699 ;
C 101 ; WX 444 ; N e ; B 5 -13 398 462 ;
C 102 ; WX 333 ; N f ; B -169 -205 446 698 ; L i f i ; L l f l ;
C 103 ; WX 500 ; N g ; B -52 -203 478 462 ;
C 104 ; WX 556 ; N h ; B -13 -9 498 699 ;
C 105 ; WX 278 ; N i ; B 2 -9 263 684 ;
C 106 ; WX 278 ; N j ; B -189 -207 279 684 ;
C 107 ; WX 500 ; N k ; B -23 -8 483 699 ;
C 108 ; WX 278 ; N l ; B 2 -9 290 699 ;
C 109 ; WX 778 ; N m ; B -14 -9 722 462 ;
C 110 ; WX 556 ; N n ; B -6 -9 493 462 ;
C 111 ; WX 500 ; N o ; B -3 -13 441 462 ;
C 112 ; WX 500 ; N p ; B -120 -205 446 462 ;
C 113 ; WX 500 ; N q ; B 1 -205 471 462 ;
C 114 ; WX 389 ; N r ; B -21 0 389 462 ;
C 115 ; WX 389 ; N s ; B -19 -13 333 462 ;
C 116 ; WX 278 ; N t ; B -11 -9 281 594 ;
C 117 ; WX 556 ; N u ; B 15 -9 492 462 ;
C 118 ; WX 444 ; N v ; B 16 -13 401 462 ;
C 119 ; WX 667 ; N w ; B 16 -13 614 462 ;
C 120 ; WX 500 ; N x ; B -46 -13 469 462 ;
C 121 ; WX 444 ; N y ; B -94 -205 392 462 ;
C 122 ; WX 389 ; N z ; B -43 -78 368 449 ;
C 123 ; WX 348 ; N braceleft ; B 5 -187 436 686 ;
C 124 ; WX 220 ; N bar ; B 66 -218 154 782 ;
C 125 ; WX 348 ; N braceright ; B -129 -187 302 686 ;
C 126 ; WX 570 ; N asciitilde ; B 54 173 516 333 ;
C 161 ; WX 389 ; N exclamdown ; B 19 -205 322 492 ;
C 162 ; WX 500 ; N cent ; B 42 -143 439 576 ;
C 163 ; WX 500 ; N sterling ; B -32 -12 510 683 ;
C 164 ; WX 167 ; N fraction ; B -169 -14 324 683 ;
C 165 ; WX 500 ; N yen ; B 33 0 628 669 ;
C 166 ; WX 500 ; N florin ; B -87 -156 537 707 ;
C 167 ; WX 500 ; N section ; B 36 -143 459 685 ;
C 168 ; WX 500 ; N currency ; B -26 34 526 586 ;
C 169 ; WX 278 ; N quotesingle ; B 128 398 268 685 ;
C 170 ; WX 500 ; N quotedblleft ; B 53 369 513 685 ;
C 171 ; WX 500 ; N guillemotleft ; B 12 32 468 415 ;
C 172 ; WX 333 ; N guilsinglleft ; B 32 32 303 415 ;
C 173 ; WX 333 ; N guilsinglright ; B 10 32 281 415 ;
C 174 ; WX 556 ; N fi ; B -188 -205 514 703 ;
C 175 ; WX 556 ; N fl ; B -186 -205 553 704 ;

C 177 ; WX 500 ; N endash ; B -40 178 477 269 ;
C 178 ; WX 500 ; N dagger ; B 91 -145 494 685 ;
C 179 ; WX 500 ; N daggerdbl ; B 10 -139 493 685 ;
C 180 ; WX 250 ; N periodcentered ; B 51 257 199 405 ;
C 182 ; WX 500 ; N paragraph ; B -57 -193 562 669 ;
C 183 ; WX 350 ; N bullet ; B 0 175 350 525 ;
C 184 ; WX 333 ; N quotesinglbase ; B -5 -182 199 134 ;
C 185 ; WX 500 ; N quotedblbase ; B -57 -182 403 134 ;
C 186 ; WX 500 ; N quotedblright ; B 53 369 513 685 ;
C 187 ; WX 500 ; N guillemotright ; B 12 32 468 415 ;
C 188 ; WX 1000 ; N ellipsis ; B 40 -13 852 135 ;
C 189 ; WX 1000 ; N perthousand ; B 7 -29 996 706 ;
C 191 ; WX 500 ; N questiondown ; B 30 -205 421 492 ;
C 193 ; WX 333 ; N grave ; B 85 516 297 697 ;
C 194 ; WX 333 ; N acute ; B 139 516 379 697 ;
C 195 ; WX 333 ; N circumflex ; B 40 516 367 690 ;
C 196 ; WX 333 ; N tilde ; B 48 536 407 655 ;
C 197 ; WX 333 ; N macron ; B 51 553 393 623 ;
C 198 ; WX 333 ; N breve ; B 71 516 387 678 ;
C 199 ; WX 333 ; N dotaccent ; B 163 550 298 684 ;
C 200 ; WX 333 ; N dieresis ; B 55 550 402 684 ;
C 202 ; WX 333 ; N ring ; B 127 516 340 729 ;
C 203 ; WX 333 ; N cedilla ; B -80 -218 156 5 ;
C 205 ; WX 333 ; N hungarumlaut ; B 69 516 498 697 ;
C 206 ; WX 333 ; N ogonek ; B 15 -183 244 34 ;
C 207 ; WX 333 ; N caron ; B 79 516 411 690 ;
C 208 ; WX 1000 ; N emdash ; B -40 178 977 269 ;
C 225 ; WX 944 ; N AE ; B -64 0 918 669 ;
C 227 ; WX 266 ; N ordfeminine ; B 16 399 330 685 ;
C 232 ; WX 611 ; N Lslash ; B -22 0 590 669 ;
C 233 ; WX 722 ; N Oslash ; B 27 -125 691 764 ;
C 234 ; WX 944 ; N OE ; B 23 -8 946 677 ;
C 235 ; WX 300 ; N ordmasculine ; B 56 400 347 685 ;
C 241 ; WX 722 ; N ae ; B -5 -13 673 462 ;
C 245 ; WX 278 ; N dotlessi ; B 2 -9 238 462 ;
C 248 ; WX 278 ; N lslash ; B -7 -9 307 699 ;
C 249 ; WX 500 ; N oslash ; B -3 -119 441 560 ;
C 250 ; WX 722 ; N oe ; B 6 -13 674 462 ;
C 251 ; WX 500 ; N germandbls ; B -200 -200 473 705 ;
C -1 ; WX 389 ; N Idieresis ; B -32 0 450 862 ;
C -1 ; WX 444 ; N eacute ; B 5 -13 435 697 ;
C -1 ; WX 500 ; N abreve ; B -21 -14 471 678 ;
C -1 ; WX 556 ; N uhungarumlaut ; B 15 -9 610 697 ;
C -1 ; WX 444 ; N ecaron ; B 5 -13 467 690 ;
C -1 ; WX 611 ; N Ydieresis ; B 73 0 659 862 ;
C -1 ; WX 570 ; N divide ; B 33 -29 537 535 ;
C -1 ; WX 611 ; N Yacute ; B 73 0 659 904 ;
C -1 ; WX 667 ; N Acircumflex ; B -67 0 593 897 ;

C -1 ; WX 500 ; N aacute ; B -21 -14 463 697 ;
C -1 ; WX 722 ; N Ucircumflex ; B 67 -18 744 897 ;
C -1 ; WX 444 ; N yacute ; B -94 -205 435 697 ;
C -1 ; WX 389 ; N scommaaccent ; B -19 -218 333 462 ;
C -1 ; WX 444 ; N ecircumflex ; B 5 -13 423 690 ;
C -1 ; WX 722 ; N Uring ; B 67 -18 744 921 ;
C -1 ; WX 722 ; N Udieresis ; B 67 -18 744 862 ;
C -1 ; WX 500 ; N aogonek ; B -21 -183 455 462 ;
C -1 ; WX 722 ; N Uacute ; B 67 -18 744 904 ;
C -1 ; WX 556 ; N uogonek ; B 15 -183 492 462 ;
C -1 ; WX 667 ; N Edieresis ; B -27 0 653 862 ;
C -1 ; WX 722 ; N Dcroat ; B -31 0 700 669 ;
C -1 ; WX 250 ; N commaaccent ; B -36 -218 131 -50 ;
C -1 ; WX 747 ; N copyright ; B 30 -18 718 685 ;
C -1 ; WX 667 ; N Emacron ; B -27 0 653 830 ;
C -1 ; WX 444 ; N ccaron ; B -5 -13 467 690 ;
C -1 ; WX 500 ; N aring ; B -21 -14 455 729 ;
C -1 ; WX 722 ; N Ncommaaccent ; B -27 -218 748 669 ;
C -1 ; WX 278 ; N lacute ; B 2 -9 392 904 ;
C -1 ; WX 500 ; N agrave ; B -21 -14 455 697 ;
C -1 ; WX 611 ; N Tcommaaccent ; B 50 -218 650 669 ;
C -1 ; WX 667 ; N Cacute ; B 32 -18 677 904 ;
C -1 ; WX 500 ; N atilde ; B -21 -14 491 655 ;
C -1 ; WX 667 ; N Edotaccent ; B -27 0 653 862 ;
C -1 ; WX 389 ; N scaron ; B -19 -13 424 690 ;
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C -1 ; WX 278 ; N iacute ; B 2 -9 352 697 ;
C -1 ; WX 494 ; N lozenge ; B 10 0 484 745 ;
C -1 ; WX 667 ; N Rcaron ; B -29 0 623 897 ;
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C -1 ; WX 444 ; N ccedilla ; B -5 -218 392 462 ;
C -1 ; WX 611 ; N Zdotaccent ; B -11 0 590 862 ;
C -1 ; WX 611 ; N Thorn ; B -27 0 573 669 ;
C -1 ; WX 722 ; N Omacron ; B 27 -18 691 830 ;
C -1 ; WX 667 ; N Racute ; B -29 0 623 904 ;
C -1 ; WX 556 ; N Sacute ; B 2 -18 531 904 ;
C -1 ; WX 608 ; N dcaron ; B -21 -13 675 708 ;
C -1 ; WX 722 ; N Umacron ; B 67 -18 744 830 ;
C -1 ; WX 556 ; N uring ; B 15 -9 492 729 ;
C -1 ; WX 300 ; N threesuperior ; B 17 265 321 683 ;
C -1 ; WX 722 ; N Ograve ; B 27 -18 691 904 ;
C -1 ; WX 667 ; N Agrave ; B -67 0 593 904 ;
C -1 ; WX 667 ; N Abreve ; B -67 0 593 885 ;
C -1 ; WX 570 ; N multiply ; B 48 16 522 490 ;

C -1 ; WX 556 ; N uacute ; B 15 -9 492 697 ;
C -1 ; WX 611 ; N Tcaron ; B 50 0 650 897 ;
C -1 ; WX 494 ; N partialdiff ; B 11 -21 494 750 ;
C -1 ; WX 444 ; N ydieresis ; B -94 -205 443 655 ;
C -1 ; WX 722 ; N Nacute ; B -27 -15 748 904 ;
C -1 ; WX 278 ; N icircumflex ; B -3 -9 324 690 ;
C -1 ; WX 667 ; N Ecircumflex ; B -27 0 653 897 ;
C -1 ; WX 500 ; N adieresis ; B -21 -14 476 655 ;
C -1 ; WX 444 ; N edieresis ; B 5 -13 448 655 ;
C -1 ; WX 444 ; N cacute ; B -5 -13 435 697 ;
C -1 ; WX 556 ; N nacute ; B -6 -9 493 697 ;
C -1 ; WX 556 ; N umacron ; B 15 -9 492 623 ;
C -1 ; WX 722 ; N Ncaron ; B -27 -15 748 897 ;
C -1 ; WX 389 ; N Iacute ; B -32 0 432 904 ;
C -1 ; WX 570 ; N plusminus ; B 33 0 537 506 ;
C -1 ; WX 220 ; N brokenbar ; B 66 -143 154 707 ;
C -1 ; WX 747 ; N registered ; B 30 -18 718 685 ;
C -1 ; WX 722 ; N Gbreve ; B 21 -18 706 885 ;
C -1 ; WX 389 ; N Idotaccent ; B -32 0 406 862 ;
C -1 ; WX 600 ; N summation ; B 14 -10 585 706 ;
C -1 ; WX 667 ; N Egrave ; B -27 0 653 904 ;
C -1 ; WX 389 ; N racute ; B -21 0 407 697 ;
C -1 ; WX 500 ; N omacron ; B -3 -13 462 623 ;
C -1 ; WX 611 ; N Zacute ; B -11 0 590 904 ;
C -1 ; WX 611 ; N Zcaron ; B -11 0 590 897 ;
C -1 ; WX 549 ; N greaterequal ; B 26 0 523 704 ;
C -1 ; WX 722 ; N Eth ; B -31 0 700 669 ;
C -1 ; WX 667 ; N Ccedilla ; B 32 -218 677 685 ;
C -1 ; WX 278 ; N lcommaaccent ; B -42 -218 290 699 ;
C -1 ; WX 366 ; N tcaron ; B -11 -9 434 754 ;
C -1 ; WX 444 ; N eogonek ; B 5 -183 398 462 ;
C -1 ; WX 722 ; N Uogonek ; B 67 -183 744 669 ;
C -1 ; WX 667 ; N Aacute ; B -67 0 593 904 ;
C -1 ; WX 667 ; N Adieresis ; B -67 0 593 862 ;
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C -1 ; WX 389 ; N zacute ; B -43 -78 407 697 ;
C -1 ; WX 278 ; N iogonek ; B -20 -183 263 684 ;
C -1 ; WX 722 ; N Oacute ; B 27 -18 691 904 ;
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C -1 ; WX 500 ; N amacron ; B -21 -14 467 623 ;
C -1 ; WX 389 ; N sacute ; B -19 -13 407 697 ;
C -1 ; WX 278 ; N idieresis ; B 2 -9 364 655 ;
C -1 ; WX 722 ; N Ocircumflex ; B 27 -18 691 897 ;
C -1 ; WX 722 ; N Ugrave ; B 67 -18 744 904 ;
C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 500 ; N thorn ; B -120 -205 446 699 ;
C -1 ; WX 300 ; N twosuperior ; B 2 274 313 683 ;
C -1 ; WX 722 ; N Odieresis ; B 27 -18 691 862 ;

C -1 ; WX 576 ; N mu ; B -60 -207 516 449 ;
C -1 ; WX 278 ; N igrave ; B 2 -9 259 697 ;
C -1 ; WX 500 ; N ohungarumlaut ; B -3 -13 582 697 ;
C -1 ; WX 667 ; N Eogonek ; B -27 -183 653 669 ;
C -1 ; WX 500 ; N dcroat ; B -21 -13 552 699 ;
C -1 ; WX 750 ; N threequarters ; B 7 -14 726 683 ;
C -1 ; WX 556 ; N Scedilla ; B 2 -218 526 685 ;
C -1 ; WX 382 ; N lcaron ; B 2 -9 448 708 ;
C -1 ; WX 667 ; N Kcommaaccent ; B -21 -218 702 669 ;
C -1 ; WX 611 ; N Lacute ; B -22 0 590 904 ;
C -1 ; WX 1000 ; N trademark ; B 32 263 968 669 ;
C -1 ; WX 444 ; N edotaccent ; B 5 -13 398 655 ;
C -1 ; WX 389 ; N Igrave ; B -32 0 406 904 ;
C -1 ; WX 389 ; N Imacron ; B -32 0 461 830 ;
C -1 ; WX 611 ; N Lcaron ; B -22 0 671 718 ;
C -1 ; WX 750 ; N onehalf ; B -9 -14 723 683 ;
C -1 ; WX 549 ; N lessequal ; B 29 0 526 704 ;
C -1 ; WX 500 ; N ocircumflex ; B -3 -13 451 690 ;
C -1 ; WX 556 ; N ntilde ; B -6 -9 504 655 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 67 -18 744 904 ;
C -1 ; WX 667 ; N Eacute ; B -27 0 653 904 ;
C -1 ; WX 444 ; N emacron ; B 5 -13 439 623 ;
C -1 ; WX 500 ; N gbreve ; B -52 -203 478 678 ;
C -1 ; WX 750 ; N onequarter ; B 7 -14 721 683 ;
C -1 ; WX 556 ; N Scaron ; B 2 -18 553 897 ;
C -1 ; WX 556 ; N Scommaaccent ; B 2 -218 526 685 ;
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C -1 ; WX 500 ; N ograve ; B -3 -13 441 697 ;
C -1 ; WX 667 ; N Ccaron ; B 32 -18 677 897 ;
C -1 ; WX 556 ; N ugrave ; B 15 -9 492 697 ;
C -1 ; WX 549 ; N radical ; B 10 -46 512 850 ;
C -1 ; WX 722 ; N Dcaron ; B -46 0 685 897 ;
C -1 ; WX 389 ; N rcommaaccent ; B -67 -218 389 462 ;
C -1 ; WX 722 ; N Ntilde ; B -27 -15 748 862 ;
C -1 ; WX 500 ; N otilde ; B -3 -13 491 655 ;
C -1 ; WX 667 ; N Rcommaaccent ; B -29 -218 623 669 ;
C -1 ; WX 611 ; N Lcommaaccent ; B -22 -218 590 669 ;
C -1 ; WX 667 ; N Atilde ; B -67 0 593 862 ;
C -1 ; WX 667 ; N Aogonek ; B -67 -183 604 683 ;
C -1 ; WX 667 ; N Aring ; B -67 0 593 921 ;
C -1 ; WX 722 ; N Otilde ; B 27 -18 691 862 ;
C -1 ; WX 389 ; N zdotaccent ; B -43 -78 368 655 ;
C -1 ; WX 667 ; N Ecaron ; B -27 0 653 897 ;
C -1 ; WX 389 ; N Iogonek ; B -32 -183 406 669 ;
C -1 ; WX 500 ; N kcommaaccent ; B -23 -218 483 699 ;
C -1 ; WX 606 ; N minus ; B 51 209 555 297 ;
C -1 ; WX 389 ; N Icircumflex ; B -32 0 450 897 ;

C -1 ; WX 556 ; N ncaron ; B -6 -9 523 690 ;
C -1 ; WX 278 ; N tcommaaccent ; B -62 -218 281 594 ;
C -1 ; WX 606 ; N logicalnot ; B 51 108 555 399 ;
C -1 ; WX 500 ; N odieresis ; B -3 -13 471 655 ;
C -1 ; WX 556 ; N udieresis ; B 15 -9 499 655 ;
C -1 ; WX 549 ; N notequal ; B 15 -49 540 570 ;
C -1 ; WX 500 ; N gcommaaccent ; B -52 -203 478 767 ;
C -1 ; WX 500 ; N eth ; B -3 -13 454 699 ;
C -1 ; WX 389 ; N zcaron ; B -43 -78 424 690 ;
C -1 ; WX 556 ; N ncommaaccent ; B -6 -218 493 462 ;
C -1 ; WX 300 ; N onesuperior ; B 30 274 301 683 ;
C -1 ; WX 278 ; N imacron ; B 2 -9 294 623 ;
C -1 ; WX 500 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

StartKernData

StartKernPairs 2038

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KPX A Ccaron -65

KPX A Ccedilla -65

KPX A G -60

KPX A Gbreve -60

KPX A Gcommaaccent -60

KPX A O -50

KPX A Oacute -50

KPX A Ocircumflex -50

KPX A Odieresis -50

KPX A Ograve -50

KPX A Ohungarumlaut -50

KPX A Omacron -50

KPX A Oslash -50

KPX A Otilde -50

KPX A Q -55

KPX A T -55

KPX A Tcaron -55

KPX A Tcommaaccent -55

KPX A U -50

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KPX ydieresis comma -37
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EndKernPairs
EndKernData
EndFontMetrics

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-BoldItalic.afm

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

#####

```
# Copyright (C) The Apache Software Foundation. All rights reserved. #
# ----- #
# This software is published under the terms of the Apache Software License #
# version 1.1, a copy of which has been included with this distribution in #
# the LICENSE file. #
#####
```

```
# This file registers the example DOM extension as a service for the
# SVGOMDocument.
org.apache.batik.extension.svg.BatikDomExtension
```

```
Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-
INF/services/org.apache.batik.dom.svg.DomExtension
No license file was found, but licenses were detected in source scan.
```

dimensional graphics in XML.

The Scalable Vector Graphics (SVG)
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(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).
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It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: \$Id: svg11.dtd,v 1.1 2002/11/13 09:51:12 vhardy Exp \$

```
Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11.dtd
No license file was found, but licenses were detected in source scan.
```

```
StartFontMetrics 4.1
Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
Comment Creation Date: Thu May 1 15:12:25 1997
Comment UniqueID 43064
Comment VMusage 30820 39997
FontName Symbol
FullName Symbol
FamilyName Symbol
Weight Medium
```

ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -180 -293 1090 1010
UnderlinePosition -100
UnderlineThickness 50
Version 001.008
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All rights reserved.
EncodingScheme FontSpecific
StdHW 92
StdVW 85
StartCharMetrics 190
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C 33 ; WX 333 ; N exclam ; B 128 -17 240 672 ;
C 34 ; WX 713 ; N universal ; B 31 0 681 705 ;
C 35 ; WX 500 ; N numbersign ; B 20 -16 481 673 ;
C 36 ; WX 549 ; N existential ; B 25 0 478 707 ;
C 37 ; WX 833 ; N percent ; B 63 -36 771 655 ;
C 38 ; WX 778 ; N ampersand ; B 41 -18 750 661 ;
C 39 ; WX 439 ; N suchthat ; B 48 -17 414 500 ;
C 40 ; WX 333 ; N parenleft ; B 53 -191 300 673 ;
C 41 ; WX 333 ; N parenright ; B 30 -191 277 673 ;
C 42 ; WX 500 ; N asteriskmath ; B 65 134 427 551 ;
C 43 ; WX 549 ; N plus ; B 10 0 539 533 ;
C 44 ; WX 250 ; N comma ; B 56 -152 194 104 ;
C 45 ; WX 549 ; N minus ; B 11 233 535 288 ;
C 46 ; WX 250 ; N period ; B 69 -17 181 95 ;
C 47 ; WX 278 ; N slash ; B 0 -18 254 646 ;
C 48 ; WX 500 ; N zero ; B 24 -14 476 685 ;
C 49 ; WX 500 ; N one ; B 117 0 390 673 ;
C 50 ; WX 500 ; N two ; B 25 0 475 685 ;
C 51 ; WX 500 ; N three ; B 43 -14 435 685 ;
C 52 ; WX 500 ; N four ; B 15 0 469 685 ;
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C 54 ; WX 500 ; N six ; B 34 -14 468 685 ;
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C 56 ; WX 500 ; N eight ; B 56 -14 445 685 ;
C 57 ; WX 500 ; N nine ; B 30 -18 459 685 ;
C 58 ; WX 278 ; N colon ; B 81 -17 193 460 ;
C 59 ; WX 278 ; N semicolon ; B 83 -152 221 460 ;
C 60 ; WX 549 ; N less ; B 26 0 523 522 ;
C 61 ; WX 549 ; N equal ; B 11 141 537 390 ;
C 62 ; WX 549 ; N greater ; B 26 0 523 522 ;
C 63 ; WX 444 ; N question ; B 70 -17 412 686 ;
C 64 ; WX 549 ; N congruent ; B 11 0 537 475 ;
C 65 ; WX 722 ; N Alpha ; B 4 0 684 673 ;
C 66 ; WX 667 ; N Beta ; B 29 0 592 673 ;
C 67 ; WX 722 ; N Chi ; B -9 0 704 673 ;

C 68 ; WX 612 ; N Delta ; B 6 0 608 688 ;
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C 94 ; WX 658 ; N perpendicular ; B 15 0 652 674 ;
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C 96 ; WX 500 ; N radica1ex ; B 480 881 1090 917 ;
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C 100 ; WX 494 ; N delta ; B 40 -19 481 740 ;
C 101 ; WX 439 ; N epsilon ; B 22 -19 427 502 ;
C 102 ; WX 521 ; N phi ; B 28 -224 492 673 ;
C 103 ; WX 411 ; N gamma ; B 5 -225 484 499 ;
C 104 ; WX 603 ; N eta ; B 0 -202 527 514 ;
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C 117 ; WX 576 ; N epsilon ; B 7 -18 535 507 ;
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C 121 ; WX 686 ; N psi ; B 12 -228 701 500 ;
C 122 ; WX 494 ; N zeta ; B 60 -225 467 756 ;
C 123 ; WX 480 ; N braceleft ; B 58 -183 397 673 ;
C 124 ; WX 200 ; N bar ; B 65 -293 135 707 ;
C 125 ; WX 480 ; N braceright ; B 79 -183 418 673 ;
C 126 ; WX 549 ; N similar ; B 17 203 529 307 ;
C 160 ; WX 750 ; N Euro ; B 20 -12 714 685 ;
C 161 ; WX 620 ; N Upsilon1 ; B -2 0 610 685 ;
C 162 ; WX 247 ; N minute ; B 27 459 228 735 ;
C 163 ; WX 549 ; N lessequal ; B 29 0 526 639 ;
C 164 ; WX 167 ; N fraction ; B -180 -12 340 677 ;
C 165 ; WX 713 ; N infinity ; B 26 124 688 404 ;
C 166 ; WX 500 ; N florin ; B 2 -193 494 686 ;
C 167 ; WX 753 ; N club ; B 86 -26 660 533 ;
C 168 ; WX 753 ; N diamond ; B 142 -36 600 550 ;
C 169 ; WX 753 ; N heart ; B 117 -33 631 532 ;
C 170 ; WX 753 ; N spade ; B 113 -36 629 548 ;
C 171 ; WX 1042 ; N arrowboth ; B 24 -15 1024 511 ;
C 172 ; WX 987 ; N arrowleft ; B 32 -15 942 511 ;
C 173 ; WX 603 ; N arrowup ; B 45 0 571 910 ;
C 174 ; WX 987 ; N arrowright ; B 49 -15 959 511 ;
C 175 ; WX 603 ; N arrowdown ; B 45 -22 571 888 ;
C 176 ; WX 400 ; N degree ; B 50 385 350 685 ;
C 177 ; WX 549 ; N plusminus ; B 10 0 539 645 ;
C 178 ; WX 411 ; N second ; B 20 459 413 737 ;
C 179 ; WX 549 ; N greaterequal ; B 29 0 526 639 ;
C 180 ; WX 549 ; N multiply ; B 17 8 533 524 ;
C 181 ; WX 713 ; N proportional ; B 27 123 639 404 ;
C 182 ; WX 494 ; N partialdiff ; B 26 -20 462 746 ;
C 183 ; WX 460 ; N bullet ; B 50 113 410 473 ;
C 184 ; WX 549 ; N divide ; B 10 71 536 456 ;
C 185 ; WX 549 ; N notequal ; B 15 -25 540 549 ;
C 186 ; WX 549 ; N equivalence ; B 14 82 538 443 ;
C 187 ; WX 549 ; N approxequal ; B 14 135 527 394 ;
C 188 ; WX 1000 ; N ellipsis ; B 111 -17 889 95 ;
C 189 ; WX 603 ; N arrowvertex ; B 280 -120 336 1010 ;
C 190 ; WX 1000 ; N arrowhorizex ; B -60 220 1050 276 ;
C 191 ; WX 658 ; N carriagereturn ; B 15 -16 602 629 ;
C 192 ; WX 823 ; N aleph ; B 175 -18 661 658 ;
C 193 ; WX 686 ; N Ifraktur ; B 10 -53 578 740 ;
C 194 ; WX 795 ; N Rfraktur ; B 26 -15 759 734 ;
C 195 ; WX 987 ; N weierstrass ; B 159 -211 870 573 ;
C 196 ; WX 768 ; N circlemultiply ; B 43 -17 733 673 ;

C 197 ; WX 768 ; N circleplus ; B 43 -15 733 675 ;
C 198 ; WX 823 ; N emptyset ; B 39 -24 781 719 ;
C 199 ; WX 768 ; N intersection ; B 40 0 732 509 ;
C 200 ; WX 768 ; N union ; B 40 -17 732 492 ;
C 201 ; WX 713 ; N propersuperset ; B 20 0 673 470 ;
C 202 ; WX 713 ; N reflexsuperset ; B 20 -125 673 470 ;
C 203 ; WX 713 ; N notsubset ; B 36 -70 690 540 ;
C 204 ; WX 713 ; N propersubset ; B 37 0 690 470 ;
C 205 ; WX 713 ; N reflexsubset ; B 37 -125 690 470 ;
C 206 ; WX 713 ; N element ; B 45 0 505 468 ;
C 207 ; WX 713 ; N notelement ; B 45 -58 505 555 ;
C 208 ; WX 768 ; N angle ; B 26 0 738 673 ;
C 209 ; WX 713 ; N gradient ; B 36 -19 681 718 ;
C 210 ; WX 790 ; N registerserif ; B 50 -17 740 673 ;
C 211 ; WX 790 ; N copyrightserif ; B 51 -15 741 675 ;
C 212 ; WX 890 ; N trademarkserif ; B 18 293 855 673 ;
C 213 ; WX 823 ; N product ; B 25 -101 803 751 ;
C 214 ; WX 549 ; N radical ; B 10 -38 515 917 ;
C 215 ; WX 250 ; N dotmath ; B 69 210 169 310 ;
C 216 ; WX 713 ; N logicalnot ; B 15 0 680 288 ;
C 217 ; WX 603 ; N logicaland ; B 23 0 583 454 ;
C 218 ; WX 603 ; N logicalor ; B 30 0 578 477 ;
C 219 ; WX 1042 ; N arrowdblboth ; B 27 -20 1023 510 ;
C 220 ; WX 987 ; N arrowdblleft ; B 30 -15 939 513 ;
C 221 ; WX 603 ; N arrowdblup ; B 39 2 567 911 ;
C 222 ; WX 987 ; N arrowdblright ; B 45 -20 954 508 ;
C 223 ; WX 603 ; N arrowdbldown ; B 44 -19 572 890 ;
C 224 ; WX 494 ; N lozenge ; B 18 0 466 745 ;
C 225 ; WX 329 ; N angleleft ; B 25 -198 306 746 ;
C 226 ; WX 790 ; N registersans ; B 50 -20 740 670 ;
C 227 ; WX 790 ; N copyrightsans ; B 49 -15 739 675 ;
C 228 ; WX 786 ; N trademarksans ; B 5 293 725 673 ;
C 229 ; WX 713 ; N summation ; B 14 -108 695 752 ;
C 230 ; WX 384 ; N parenlefttp ; B 24 -293 436 926 ;
C 231 ; WX 384 ; N parenleftex ; B 24 -85 108 925 ;
C 232 ; WX 384 ; N parenleftbt ; B 24 -293 436 926 ;
C 233 ; WX 384 ; N bracketlefttp ; B 0 -80 349 926 ;
C 234 ; WX 384 ; N bracketleftex ; B 0 -79 77 925 ;
C 235 ; WX 384 ; N bracketleftbt ; B 0 -80 349 926 ;
C 236 ; WX 494 ; N bracelefttp ; B 209 -85 445 925 ;
C 237 ; WX 494 ; N braceleftmid ; B 20 -85 284 935 ;
C 238 ; WX 494 ; N braceleftbt ; B 209 -75 445 935 ;
C 239 ; WX 494 ; N braceex ; B 209 -85 284 935 ;
C 241 ; WX 329 ; N angleright ; B 21 -198 302 746 ;
C 242 ; WX 274 ; N integral ; B 2 -107 291 916 ;
C 243 ; WX 686 ; N integraltp ; B 308 -88 675 920 ;
C 244 ; WX 686 ; N integralex ; B 308 -88 378 975 ;
C 245 ; WX 686 ; N integralbt ; B 11 -87 378 921 ;

C 246 ; WX 384 ; N parenrighttp ; B 54 -293 466 926 ;
C 247 ; WX 384 ; N parenrightex ; B 382 -85 466 925 ;
C 248 ; WX 384 ; N parenrightbt ; B 54 -293 466 926 ;
C 249 ; WX 384 ; N bracketrighttp ; B 22 -80 371 926 ;
C 250 ; WX 384 ; N bracketrightex ; B 294 -79 371 925 ;
C 251 ; WX 384 ; N bracketrightbt ; B 22 -80 371 926 ;
C 252 ; WX 494 ; N bracerighttp ; B 48 -85 284 925 ;
C 253 ; WX 494 ; N bracerightmid ; B 209 -85 473 935 ;
C 254 ; WX 494 ; N bracerightbt ; B 48 -75 284 935 ;
C -1 ; WX 790 ; N apple ; B 56 -3 733 808 ;
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EncodingScheme AdobeStandardEncoding

CapHeight 562

XHeight 426

Ascender 629

Descender -157

StdHW 51

StdVW 51

StartCharMetrics 315

C 32 ; WX 600 ; N space ; B 0 0 0 0 ;

C 33 ; WX 600 ; N exclam ; B 236 -15 364 572 ;

C 34 ; WX 600 ; N quotedbl ; B 187 328 413 562 ;

C 35 ; WX 600 ; N numbersign ; B 93 -32 507 639 ;

C 36 ; WX 600 ; N dollar ; B 105 -126 496 662 ;

C 37 ; WX 600 ; N percent ; B 81 -15 518 622 ;

C 38 ; WX 600 ; N ampersand ; B 63 -15 538 543 ;
C 39 ; WX 600 ; N quoteright ; B 213 328 376 562 ;
C 40 ; WX 600 ; N parenleft ; B 269 -108 440 622 ;
C 41 ; WX 600 ; N parenright ; B 160 -108 331 622 ;
C 42 ; WX 600 ; N asterisk ; B 116 257 484 607 ;
C 43 ; WX 600 ; N plus ; B 80 44 520 470 ;
C 44 ; WX 600 ; N comma ; B 181 -112 344 122 ;
C 45 ; WX 600 ; N hyphen ; B 103 231 497 285 ;
C 46 ; WX 600 ; N period ; B 229 -15 371 109 ;
C 47 ; WX 600 ; N slash ; B 125 -80 475 629 ;
C 48 ; WX 600 ; N zero ; B 106 -15 494 622 ;
C 49 ; WX 600 ; N one ; B 96 0 505 622 ;
C 50 ; WX 600 ; N two ; B 70 0 471 622 ;
C 51 ; WX 600 ; N three ; B 75 -15 466 622 ;
C 52 ; WX 600 ; N four ; B 78 0 500 622 ;
C 53 ; WX 600 ; N five ; B 92 -15 497 607 ;
C 54 ; WX 600 ; N six ; B 111 -15 497 622 ;
C 55 ; WX 600 ; N seven ; B 82 0 483 607 ;
C 56 ; WX 600 ; N eight ; B 102 -15 498 622 ;
C 57 ; WX 600 ; N nine ; B 96 -15 489 622 ;
C 58 ; WX 600 ; N colon ; B 229 -15 371 385 ;
C 59 ; WX 600 ; N semicolon ; B 181 -112 371 385 ;
C 60 ; WX 600 ; N less ; B 41 42 519 472 ;
C 61 ; WX 600 ; N equal ; B 80 138 520 376 ;
C 62 ; WX 600 ; N greater ; B 66 42 544 472 ;
C 63 ; WX 600 ; N question ; B 129 -15 492 572 ;
C 64 ; WX 600 ; N at ; B 77 -15 533 622 ;
C 65 ; WX 600 ; N A ; B 3 0 597 562 ;
C 66 ; WX 600 ; N B ; B 43 0 559 562 ;
C 67 ; WX 600 ; N C ; B 41 -18 540 580 ;
C 68 ; WX 600 ; N D ; B 43 0 574 562 ;
C 69 ; WX 600 ; N E ; B 53 0 550 562 ;
C 70 ; WX 600 ; N F ; B 53 0 545 562 ;
C 71 ; WX 600 ; N G ; B 31 -18 575 580 ;
C 72 ; WX 600 ; N H ; B 32 0 568 562 ;
C 73 ; WX 600 ; N I ; B 96 0 504 562 ;
C 74 ; WX 600 ; N J ; B 34 -18 566 562 ;
C 75 ; WX 600 ; N K ; B 38 0 582 562 ;
C 76 ; WX 600 ; N L ; B 47 0 554 562 ;
C 77 ; WX 600 ; N M ; B 4 0 596 562 ;
C 78 ; WX 600 ; N N ; B 7 -13 593 562 ;
C 79 ; WX 600 ; N O ; B 43 -18 557 580 ;
C 80 ; WX 600 ; N P ; B 79 0 558 562 ;
C 81 ; WX 600 ; N Q ; B 43 -138 557 580 ;
C 82 ; WX 600 ; N R ; B 38 0 588 562 ;
C 83 ; WX 600 ; N S ; B 72 -20 529 580 ;
C 84 ; WX 600 ; N T ; B 38 0 563 562 ;
C 85 ; WX 600 ; N U ; B 17 -18 583 562 ;

C 86 ; WX 600 ; N V ; B -4 -13 604 562 ;
C 87 ; WX 600 ; N W ; B -3 -13 603 562 ;
C 88 ; WX 600 ; N X ; B 23 0 577 562 ;
C 89 ; WX 600 ; N Y ; B 24 0 576 562 ;
C 90 ; WX 600 ; N Z ; B 86 0 514 562 ;
C 91 ; WX 600 ; N bracketleft ; B 269 -108 442 622 ;
C 92 ; WX 600 ; N backslash ; B 118 -80 482 629 ;
C 93 ; WX 600 ; N bracketright ; B 158 -108 331 622 ;
C 94 ; WX 600 ; N asciicircum ; B 94 354 506 622 ;
C 95 ; WX 600 ; N underscore ; B 0 -125 600 -75 ;
C 96 ; WX 600 ; N quoteleft ; B 224 328 387 562 ;
C 97 ; WX 600 ; N a ; B 53 -15 559 441 ;
C 98 ; WX 600 ; N b ; B 14 -15 575 629 ;
C 99 ; WX 600 ; N c ; B 66 -15 529 441 ;
C 100 ; WX 600 ; N d ; B 45 -15 591 629 ;
C 101 ; WX 600 ; N e ; B 66 -15 548 441 ;
C 102 ; WX 600 ; N f ; B 114 0 531 629 ; L i fi ; L l fl ;
C 103 ; WX 600 ; N g ; B 45 -157 566 441 ;
C 104 ; WX 600 ; N h ; B 18 0 582 629 ;
C 105 ; WX 600 ; N i ; B 95 0 505 657 ;
C 106 ; WX 600 ; N j ; B 82 -157 410 657 ;
C 107 ; WX 600 ; N k ; B 43 0 580 629 ;
C 108 ; WX 600 ; N l ; B 95 0 505 629 ;
C 109 ; WX 600 ; N m ; B -5 0 605 441 ;
C 110 ; WX 600 ; N n ; B 26 0 575 441 ;
C 111 ; WX 600 ; N o ; B 62 -15 538 441 ;
C 112 ; WX 600 ; N p ; B 9 -157 555 441 ;
C 113 ; WX 600 ; N q ; B 45 -157 591 441 ;
C 114 ; WX 600 ; N r ; B 60 0 559 441 ;
C 115 ; WX 600 ; N s ; B 80 -15 513 441 ;
C 116 ; WX 600 ; N t ; B 87 -15 530 561 ;
C 117 ; WX 600 ; N u ; B 21 -15 562 426 ;
C 118 ; WX 600 ; N v ; B 10 -10 590 426 ;
C 119 ; WX 600 ; N w ; B -4 -10 604 426 ;
C 120 ; WX 600 ; N x ; B 20 0 580 426 ;
C 121 ; WX 600 ; N y ; B 7 -157 592 426 ;
C 122 ; WX 600 ; N z ; B 99 0 502 426 ;
C 123 ; WX 600 ; N braceleft ; B 182 -108 437 622 ;
C 124 ; WX 600 ; N bar ; B 275 -250 326 750 ;
C 125 ; WX 600 ; N braceright ; B 163 -108 418 622 ;
C 126 ; WX 600 ; N asciitilde ; B 63 197 540 320 ;
C 161 ; WX 600 ; N exclamdown ; B 236 -157 364 430 ;
C 162 ; WX 600 ; N cent ; B 96 -49 500 614 ;
C 163 ; WX 600 ; N sterling ; B 84 -21 521 611 ;
C 164 ; WX 600 ; N fraction ; B 92 -57 509 665 ;
C 165 ; WX 600 ; N yen ; B 26 0 574 562 ;
C 166 ; WX 600 ; N florin ; B 4 -143 539 622 ;
C 167 ; WX 600 ; N section ; B 113 -78 488 580 ;

C 168 ; WX 600 ; N currency ; B 73 58 527 506 ;
C 169 ; WX 600 ; N quotesingle ; B 259 328 341 562 ;
C 170 ; WX 600 ; N quotedblleft ; B 143 328 471 562 ;
C 171 ; WX 600 ; N guillemotleft ; B 37 70 563 446 ;
C 172 ; WX 600 ; N guilsinglleft ; B 149 70 451 446 ;
C 173 ; WX 600 ; N guilsinglright ; B 149 70 451 446 ;
C 174 ; WX 600 ; N fi ; B 3 0 597 629 ;
C 175 ; WX 600 ; N fl ; B 3 0 597 629 ;
C 177 ; WX 600 ; N endash ; B 75 231 525 285 ;
C 178 ; WX 600 ; N dagger ; B 141 -78 459 580 ;
C 179 ; WX 600 ; N daggerdbl ; B 141 -78 459 580 ;
C 180 ; WX 600 ; N periodcentered ; B 222 189 378 327 ;
C 182 ; WX 600 ; N paragraph ; B 50 -78 511 562 ;
C 183 ; WX 600 ; N bullet ; B 172 130 428 383 ;
C 184 ; WX 600 ; N quotesinglbase ; B 213 -134 376 100 ;
C 185 ; WX 600 ; N quotedblbase ; B 143 -134 457 100 ;
C 186 ; WX 600 ; N quotedblright ; B 143 328 457 562 ;
C 187 ; WX 600 ; N guillemotright ; B 37 70 563 446 ;
C 188 ; WX 600 ; N ellipsis ; B 37 -15 563 111 ;
C 189 ; WX 600 ; N perthousand ; B 3 -15 600 622 ;
C 191 ; WX 600 ; N questiondown ; B 108 -157 471 430 ;
C 193 ; WX 600 ; N grave ; B 151 497 378 672 ;
C 194 ; WX 600 ; N acute ; B 242 497 469 672 ;
C 195 ; WX 600 ; N circumflex ; B 124 477 476 654 ;
C 196 ; WX 600 ; N tilde ; B 105 489 503 606 ;
C 197 ; WX 600 ; N macron ; B 120 525 480 565 ;
C 198 ; WX 600 ; N breve ; B 153 501 447 609 ;
C 199 ; WX 600 ; N dotaccent ; B 249 537 352 640 ;
C 200 ; WX 600 ; N dieresis ; B 148 537 453 640 ;
C 202 ; WX 600 ; N ring ; B 218 463 382 627 ;
C 203 ; WX 600 ; N cedilla ; B 224 -151 362 10 ;
C 205 ; WX 600 ; N hungarumlaut ; B 133 497 540 672 ;
C 206 ; WX 600 ; N ogonek ; B 211 -172 407 4 ;
C 207 ; WX 600 ; N caron ; B 124 492 476 669 ;
C 208 ; WX 600 ; N emdash ; B 0 231 600 285 ;
C 225 ; WX 600 ; N AE ; B 3 0 550 562 ;
C 227 ; WX 600 ; N ordfeminine ; B 156 249 442 580 ;
C 232 ; WX 600 ; N Lslash ; B 47 0 554 562 ;
C 233 ; WX 600 ; N Oslash ; B 43 -80 557 629 ;
C 234 ; WX 600 ; N OE ; B 7 0 567 562 ;
C 235 ; WX 600 ; N ordmasculine ; B 157 249 443 580 ;
C 241 ; WX 600 ; N ae ; B 19 -15 570 441 ;
C 245 ; WX 600 ; N dotlessi ; B 95 0 505 426 ;
C 248 ; WX 600 ; N lslash ; B 95 0 505 629 ;
C 249 ; WX 600 ; N oslash ; B 62 -80 538 506 ;
C 250 ; WX 600 ; N oe ; B 19 -15 559 441 ;
C 251 ; WX 600 ; N germandbls ; B 48 -15 588 629 ;
C -1 ; WX 600 ; N Idieresis ; B 96 0 504 753 ;

C -1 ; WX 600 ; N eacute ; B 66 -15 548 672 ;
C -1 ; WX 600 ; N abreve ; B 53 -15 559 609 ;
C -1 ; WX 600 ; N uhungarumlaut ; B 21 -15 580 672 ;
C -1 ; WX 600 ; N ecaron ; B 66 -15 548 669 ;
C -1 ; WX 600 ; N Ydieresis ; B 24 0 576 753 ;
C -1 ; WX 600 ; N divide ; B 87 48 513 467 ;
C -1 ; WX 600 ; N Yacute ; B 24 0 576 805 ;
C -1 ; WX 600 ; N Acircumflex ; B 3 0 597 787 ;
C -1 ; WX 600 ; N aacute ; B 53 -15 559 672 ;
C -1 ; WX 600 ; N Ucircumflex ; B 17 -18 583 787 ;
C -1 ; WX 600 ; N yacute ; B 7 -157 592 672 ;
C -1 ; WX 600 ; N scommaaccent ; B 80 -250 513 441 ;
C -1 ; WX 600 ; N ecircumflex ; B 66 -15 548 654 ;
C -1 ; WX 600 ; N Uring ; B 17 -18 583 760 ;
C -1 ; WX 600 ; N Udieresis ; B 17 -18 583 753 ;
C -1 ; WX 600 ; N aogonek ; B 53 -172 587 441 ;
C -1 ; WX 600 ; N Uacute ; B 17 -18 583 805 ;
C -1 ; WX 600 ; N uogonek ; B 21 -172 590 426 ;
C -1 ; WX 600 ; N Edieresis ; B 53 0 550 753 ;
C -1 ; WX 600 ; N Dcroat ; B 30 0 574 562 ;
C -1 ; WX 600 ; N commaaccent ; B 198 -250 335 -58 ;
C -1 ; WX 600 ; N copyright ; B 0 -18 600 580 ;
C -1 ; WX 600 ; N Emacron ; B 53 0 550 698 ;
C -1 ; WX 600 ; N ccaron ; B 66 -15 529 669 ;
C -1 ; WX 600 ; N aring ; B 53 -15 559 627 ;
C -1 ; WX 600 ; N Ncommaaccent ; B 7 -250 593 562 ;
C -1 ; WX 600 ; N lacute ; B 95 0 505 805 ;
C -1 ; WX 600 ; N agrave ; B 53 -15 559 672 ;
C -1 ; WX 600 ; N Tcommaaccent ; B 38 -250 563 562 ;
C -1 ; WX 600 ; N Cacute ; B 41 -18 540 805 ;
C -1 ; WX 600 ; N atilde ; B 53 -15 559 606 ;
C -1 ; WX 600 ; N Edotaccent ; B 53 0 550 753 ;
C -1 ; WX 600 ; N scaron ; B 80 -15 513 669 ;
C -1 ; WX 600 ; N scedilla ; B 80 -151 513 441 ;
C -1 ; WX 600 ; N iacute ; B 95 0 505 672 ;
C -1 ; WX 600 ; N lozenge ; B 18 0 443 706 ;
C -1 ; WX 600 ; N Rcaron ; B 38 0 588 802 ;
C -1 ; WX 600 ; N Gcommaaccent ; B 31 -250 575 580 ;
C -1 ; WX 600 ; N ucircumflex ; B 21 -15 562 654 ;
C -1 ; WX 600 ; N acircumflex ; B 53 -15 559 654 ;
C -1 ; WX 600 ; N Amacron ; B 3 0 597 698 ;
C -1 ; WX 600 ; N rcaron ; B 60 0 559 669 ;
C -1 ; WX 600 ; N ccedilla ; B 66 -151 529 441 ;
C -1 ; WX 600 ; N Zdotaccent ; B 86 0 514 753 ;
C -1 ; WX 600 ; N Thorn ; B 79 0 538 562 ;
C -1 ; WX 600 ; N Omacron ; B 43 -18 557 698 ;
C -1 ; WX 600 ; N Racute ; B 38 0 588 805 ;
C -1 ; WX 600 ; N Sacute ; B 72 -20 529 805 ;

C -1 ; WX 600 ; N dcaron ; B 45 -15 715 629 ;
C -1 ; WX 600 ; N Umacron ; B 17 -18 583 698 ;
C -1 ; WX 600 ; N uring ; B 21 -15 562 627 ;
C -1 ; WX 600 ; N threesuperior ; B 155 240 406 622 ;
C -1 ; WX 600 ; N Ograve ; B 43 -18 557 805 ;
C -1 ; WX 600 ; N Agrave ; B 3 0 597 805 ;
C -1 ; WX 600 ; N Abreve ; B 3 0 597 732 ;
C -1 ; WX 600 ; N multiply ; B 87 43 515 470 ;
C -1 ; WX 600 ; N uacute ; B 21 -15 562 672 ;
C -1 ; WX 600 ; N Tcaron ; B 38 0 563 802 ;
C -1 ; WX 600 ; N partialdiff ; B 17 -38 459 710 ;
C -1 ; WX 600 ; N ydieresis ; B 7 -157 592 620 ;
C -1 ; WX 600 ; N Nacute ; B 7 -13 593 805 ;
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C -1 ; WX 600 ; N Ecircumflex ; B 53 0 550 787 ;
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C -1 ; WX 600 ; N edieresis ; B 66 -15 548 620 ;
C -1 ; WX 600 ; N cacute ; B 66 -15 529 672 ;
C -1 ; WX 600 ; N nacute ; B 26 0 575 672 ;
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C -1 ; WX 600 ; N Ncaron ; B 7 -13 593 802 ;
C -1 ; WX 600 ; N Iacute ; B 96 0 504 805 ;
C -1 ; WX 600 ; N plusminus ; B 87 44 513 558 ;
C -1 ; WX 600 ; N brokenbar ; B 275 -175 326 675 ;
C -1 ; WX 600 ; N registered ; B 0 -18 600 580 ;
C -1 ; WX 600 ; N Gbreve ; B 31 -18 575 732 ;
C -1 ; WX 600 ; N Idotaccent ; B 96 0 504 753 ;
C -1 ; WX 600 ; N summation ; B 15 -10 585 706 ;
C -1 ; WX 600 ; N Egrave ; B 53 0 550 805 ;
C -1 ; WX 600 ; N racute ; B 60 0 559 672 ;
C -1 ; WX 600 ; N omacron ; B 62 -15 538 565 ;
C -1 ; WX 600 ; N Zacute ; B 86 0 514 805 ;
C -1 ; WX 600 ; N Zcaron ; B 86 0 514 802 ;
C -1 ; WX 600 ; N greaterequal ; B 98 0 502 710 ;
C -1 ; WX 600 ; N Eth ; B 30 0 574 562 ;
C -1 ; WX 600 ; N Ccedilla ; B 41 -151 540 580 ;
C -1 ; WX 600 ; N lcommaaccent ; B 95 -250 505 629 ;
C -1 ; WX 600 ; N tcaron ; B 87 -15 530 717 ;
C -1 ; WX 600 ; N eogonek ; B 66 -172 548 441 ;
C -1 ; WX 600 ; N Uogonek ; B 17 -172 583 562 ;
C -1 ; WX 600 ; N Aacute ; B 3 0 597 805 ;
C -1 ; WX 600 ; N Adieresis ; B 3 0 597 753 ;
C -1 ; WX 600 ; N egrave ; B 66 -15 548 672 ;
C -1 ; WX 600 ; N zacute ; B 99 0 502 672 ;
C -1 ; WX 600 ; N iogonek ; B 95 -172 505 657 ;
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C -1 ; WX 600 ; N oacute ; B 62 -15 538 672 ;
C -1 ; WX 600 ; N amacron ; B 53 -15 559 565 ;

C -1 ; WX 600 ; N sacute ; B 80 -15 513 672 ;
C -1 ; WX 600 ; N idieresis ; B 95 0 505 620 ;
C -1 ; WX 600 ; N Ocircumflex ; B 43 -18 557 787 ;
C -1 ; WX 600 ; N Ugrave ; B 17 -18 583 805 ;
C -1 ; WX 600 ; N Delta ; B 6 0 598 688 ;
C -1 ; WX 600 ; N thorn ; B -6 -157 555 629 ;
C -1 ; WX 600 ; N twosuperior ; B 177 249 424 622 ;
C -1 ; WX 600 ; N Odieresis ; B 43 -18 557 753 ;
C -1 ; WX 600 ; N mu ; B 21 -157 562 426 ;
C -1 ; WX 600 ; N igrave ; B 95 0 505 672 ;
C -1 ; WX 600 ; N ohungarumlaut ; B 62 -15 580 672 ;
C -1 ; WX 600 ; N Eogonek ; B 53 -172 561 562 ;
C -1 ; WX 600 ; N dcroat ; B 45 -15 591 629 ;
C -1 ; WX 600 ; N threequarters ; B 8 -56 593 666 ;
C -1 ; WX 600 ; N Scedilla ; B 72 -151 529 580 ;
C -1 ; WX 600 ; N lcaron ; B 95 0 533 629 ;
C -1 ; WX 600 ; N Kcommaaccent ; B 38 -250 582 562 ;
C -1 ; WX 600 ; N Lacute ; B 47 0 554 805 ;
C -1 ; WX 600 ; N trademark ; B -23 263 623 562 ;
C -1 ; WX 600 ; N edotaccent ; B 66 -15 548 620 ;
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C -1 ; WX 600 ; N Lcaron ; B 47 0 554 562 ;
C -1 ; WX 600 ; N onehalf ; B 0 -57 611 665 ;
C -1 ; WX 600 ; N lessequal ; B 98 0 502 710 ;
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C -1 ; WX 600 ; N ntilde ; B 26 0 575 606 ;
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C -1 ; WX 600 ; N Atilde ; B 3 0 597 729 ;
C -1 ; WX 600 ; N Aogonek ; B 3 -172 608 562 ;

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C -1 ; WX 600 ; N Otilde ; B 43 -18 557 729 ;
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C -1 ; WX 600 ; N Iogonek ; B 96 -172 504 562 ;
C -1 ; WX 600 ; N kcommaaccent ; B 43 -250 580 629 ;
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C -1 ; WX 600 ; N Icircumflex ; B 96 0 504 787 ;
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EncodingScheme AdobeStandardEncoding

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XHeight 426

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Descender -157
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StdVW 51
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C 34 ; WX 600 ; N quotedbl ; B 273 328 532 562 ;
C 35 ; WX 600 ; N numbersign ; B 133 -32 596 639 ;
C 36 ; WX 600 ; N dollar ; B 108 -126 596 662 ;
C 37 ; WX 600 ; N percent ; B 134 -15 599 622 ;
C 38 ; WX 600 ; N ampersand ; B 87 -15 580 543 ;
C 39 ; WX 600 ; N quoteright ; B 283 328 495 562 ;
C 40 ; WX 600 ; N parenleft ; B 313 -108 572 622 ;
C 41 ; WX 600 ; N parenright ; B 137 -108 396 622 ;
C 42 ; WX 600 ; N asterisk ; B 212 257 580 607 ;
C 43 ; WX 600 ; N plus ; B 129 44 580 470 ;
C 44 ; WX 600 ; N comma ; B 157 -112 370 122 ;
C 45 ; WX 600 ; N hyphen ; B 152 231 558 285 ;
C 46 ; WX 600 ; N period ; B 238 -15 382 109 ;
C 47 ; WX 600 ; N slash ; B 112 -80 604 629 ;
C 48 ; WX 600 ; N zero ; B 154 -15 575 622 ;
C 49 ; WX 600 ; N one ; B 98 0 515 622 ;
C 50 ; WX 600 ; N two ; B 70 0 568 622 ;
C 51 ; WX 600 ; N three ; B 82 -15 538 622 ;
C 52 ; WX 600 ; N four ; B 108 0 541 622 ;
C 53 ; WX 600 ; N five ; B 99 -15 589 607 ;
C 54 ; WX 600 ; N six ; B 155 -15 629 622 ;
C 55 ; WX 600 ; N seven ; B 182 0 612 607 ;
C 56 ; WX 600 ; N eight ; B 132 -15 588 622 ;
C 57 ; WX 600 ; N nine ; B 93 -15 574 622 ;
C 58 ; WX 600 ; N colon ; B 238 -15 441 385 ;
C 59 ; WX 600 ; N semicolon ; B 157 -112 441 385 ;
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C 61 ; WX 600 ; N equal ; B 109 138 600 376 ;
C 62 ; WX 600 ; N greater ; B 85 42 599 472 ;
C 63 ; WX 600 ; N question ; B 222 -15 583 572 ;
C 64 ; WX 600 ; N at ; B 127 -15 582 622 ;
C 65 ; WX 600 ; N A ; B 3 0 607 562 ;
C 66 ; WX 600 ; N B ; B 43 0 616 562 ;
C 67 ; WX 600 ; N C ; B 93 -18 655 580 ;
C 68 ; WX 600 ; N D ; B 43 0 645 562 ;
C 69 ; WX 600 ; N E ; B 53 0 660 562 ;
C 70 ; WX 600 ; N F ; B 53 0 660 562 ;
C 71 ; WX 600 ; N G ; B 83 -18 645 580 ;
C 72 ; WX 600 ; N H ; B 32 0 687 562 ;
C 73 ; WX 600 ; N I ; B 96 0 623 562 ;
C 74 ; WX 600 ; N J ; B 52 -18 685 562 ;

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C 78 ; WX 600 ; N N ; B 7 -13 712 562 ;
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C 80 ; WX 600 ; N P ; B 79 0 644 562 ;
C 81 ; WX 600 ; N Q ; B 95 -138 625 580 ;
C 82 ; WX 600 ; N R ; B 38 0 598 562 ;
C 83 ; WX 600 ; N S ; B 76 -20 650 580 ;
C 84 ; WX 600 ; N T ; B 108 0 665 562 ;
C 85 ; WX 600 ; N U ; B 125 -18 702 562 ;
C 86 ; WX 600 ; N V ; B 105 -13 723 562 ;
C 87 ; WX 600 ; N W ; B 106 -13 722 562 ;
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C 89 ; WX 600 ; N Y ; B 133 0 695 562 ;
C 90 ; WX 600 ; N Z ; B 86 0 610 562 ;
C 91 ; WX 600 ; N bracketleft ; B 246 -108 574 622 ;
C 92 ; WX 600 ; N backslash ; B 249 -80 468 629 ;
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C 113 ; WX 600 ; N q ; B 85 -157 682 441 ;
C 114 ; WX 600 ; N r ; B 60 0 636 441 ;
C 115 ; WX 600 ; N s ; B 78 -15 584 441 ;
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C 118 ; WX 600 ; N v ; B 90 -10 681 426 ;
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C 194 ; WX 600 ; N acute ; B 348 497 612 672 ;
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C 196 ; WX 600 ; N tilde ; B 212 489 629 606 ;
C 197 ; WX 600 ; N macron ; B 232 525 600 565 ;
C 198 ; WX 600 ; N breve ; B 279 501 576 609 ;
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C 202 ; WX 600 ; N ring ; B 332 463 500 627 ;
C 203 ; WX 600 ; N cedilla ; B 197 -151 344 10 ;
C 205 ; WX 600 ; N hungarumlaut ; B 239 497 683 672 ;
C 206 ; WX 600 ; N ogonek ; B 189 -172 377 4 ;
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C 225 ; WX 600 ; N AE ; B 3 0 655 562 ;
C 227 ; WX 600 ; N ordfeminine ; B 209 249 512 580 ;

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C 251 ; WX 600 ; N germandbls ; B 48 -15 617 629 ;
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C -1 ; WX 600 ; N Lcommaaccent ; B 47 -250 607 562 ;
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StartFontMetrics 4.1

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Comment Creation Date: Mon Jun 23 16:28:46 1997

Comment UniqueID 43049

Comment VMusage 17529 79244

FontName Courier-BoldOblique

FullName Courier Bold Oblique

FamilyName Courier

Weight Bold

ItalicAngle -12

IsFixedPitch true

CharacterSet ExtendedRoman

FontBBox -57 -250 869 801

UnderlinePosition -100

UnderlineThickness 50

Version 003.000

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EncodingScheme AdobeStandardEncoding

CapHeight 562

XHeight 439

Ascender 629

Descender -157

StdHW 84

StdVW 106

StartCharMetrics 315

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C 34 ; WX 600 ; N quotedbl ; B 211 277 585 562 ;

C 35 ; WX 600 ; N numbersign ; B 88 -45 641 651 ;

C 36 ; WX 600 ; N dollar ; B 87 -126 630 666 ;

C 37 ; WX 600 ; N percent ; B 101 -15 625 616 ;

C 38 ; WX 600 ; N ampersand ; B 61 -15 595 543 ;

C 39 ; WX 600 ; N quoteright ; B 229 277 543 562 ;

C 40 ; WX 600 ; N parenleft ; B 265 -102 592 616 ;

C 41 ; WX 600 ; N parenright ; B 117 -102 444 616 ;

C 42 ; WX 600 ; N asterisk ; B 179 219 598 601 ;

C 43 ; WX 600 ; N plus ; B 114 39 596 478 ;

C 44 ; WX 600 ; N comma ; B 99 -111 430 174 ;

C 45 ; WX 600 ; N hyphen ; B 143 203 567 313 ;

C 46 ; WX 600 ; N period ; B 206 -15 427 171 ;

C 47 ; WX 600 ; N slash ; B 90 -77 626 626 ;
C 48 ; WX 600 ; N zero ; B 135 -15 593 616 ;
C 49 ; WX 600 ; N one ; B 93 0 562 616 ;
C 50 ; WX 600 ; N two ; B 61 0 594 616 ;
C 51 ; WX 600 ; N three ; B 71 -15 571 616 ;
C 52 ; WX 600 ; N four ; B 81 0 559 616 ;
C 53 ; WX 600 ; N five ; B 77 -15 621 601 ;
C 54 ; WX 600 ; N six ; B 135 -15 652 616 ;
C 55 ; WX 600 ; N seven ; B 147 0 622 601 ;
C 56 ; WX 600 ; N eight ; B 115 -15 604 616 ;
C 57 ; WX 600 ; N nine ; B 75 -15 592 616 ;
C 58 ; WX 600 ; N colon ; B 205 -15 480 425 ;
C 59 ; WX 600 ; N semicolon ; B 99 -111 481 425 ;
C 60 ; WX 600 ; N less ; B 120 15 613 501 ;
C 61 ; WX 600 ; N equal ; B 96 118 614 398 ;
C 62 ; WX 600 ; N greater ; B 97 15 589 501 ;
C 63 ; WX 600 ; N question ; B 183 -14 592 580 ;
C 64 ; WX 600 ; N at ; B 65 -15 642 616 ;
C 65 ; WX 600 ; N A ; B -9 0 632 562 ;
C 66 ; WX 600 ; N B ; B 30 0 630 562 ;
C 67 ; WX 600 ; N C ; B 74 -18 675 580 ;
C 68 ; WX 600 ; N D ; B 30 0 664 562 ;
C 69 ; WX 600 ; N E ; B 25 0 670 562 ;
C 70 ; WX 600 ; N F ; B 39 0 684 562 ;
C 71 ; WX 600 ; N G ; B 74 -18 675 580 ;
C 72 ; WX 600 ; N H ; B 20 0 700 562 ;
C 73 ; WX 600 ; N I ; B 77 0 643 562 ;
C 74 ; WX 600 ; N J ; B 58 -18 721 562 ;
C 75 ; WX 600 ; N K ; B 21 0 692 562 ;
C 76 ; WX 600 ; N L ; B 39 0 636 562 ;
C 77 ; WX 600 ; N M ; B -2 0 722 562 ;
C 78 ; WX 600 ; N N ; B 8 -12 730 562 ;
C 79 ; WX 600 ; N O ; B 74 -18 645 580 ;
C 80 ; WX 600 ; N P ; B 48 0 643 562 ;
C 81 ; WX 600 ; N Q ; B 83 -138 636 580 ;
C 82 ; WX 600 ; N R ; B 24 0 617 562 ;
C 83 ; WX 600 ; N S ; B 54 -22 673 582 ;
C 84 ; WX 600 ; N T ; B 86 0 679 562 ;
C 85 ; WX 600 ; N U ; B 101 -18 716 562 ;
C 86 ; WX 600 ; N V ; B 84 0 733 562 ;
C 87 ; WX 600 ; N W ; B 79 0 738 562 ;
C 88 ; WX 600 ; N X ; B 12 0 690 562 ;
C 89 ; WX 600 ; N Y ; B 109 0 709 562 ;
C 90 ; WX 600 ; N Z ; B 62 0 637 562 ;
C 91 ; WX 600 ; N bracketleft ; B 223 -102 606 616 ;
C 92 ; WX 600 ; N backslash ; B 222 -77 496 626 ;
C 93 ; WX 600 ; N bracketright ; B 103 -102 486 616 ;
C 94 ; WX 600 ; N asciicircum ; B 171 250 556 616 ;

C 95 ; WX 600 ; N underscore ; B -27 -125 585 -75 ;
C 96 ; WX 600 ; N quoteleft ; B 297 277 487 562 ;
C 97 ; WX 600 ; N a ; B 61 -15 593 454 ;
C 98 ; WX 600 ; N b ; B 13 -15 636 626 ;
C 99 ; WX 600 ; N c ; B 81 -15 631 459 ;
C 100 ; WX 600 ; N d ; B 60 -15 645 626 ;
C 101 ; WX 600 ; N e ; B 81 -15 605 454 ;
C 102 ; WX 600 ; N f ; B 83 0 677 626 ; L i f i ; L l f l ;
C 103 ; WX 600 ; N g ; B 40 -146 674 454 ;
C 104 ; WX 600 ; N h ; B 18 0 615 626 ;
C 105 ; WX 600 ; N i ; B 77 0 546 658 ;
C 106 ; WX 600 ; N j ; B 36 -146 580 658 ;
C 107 ; WX 600 ; N k ; B 33 0 643 626 ;
C 108 ; WX 600 ; N l ; B 77 0 546 626 ;
C 109 ; WX 600 ; N m ; B -22 0 649 454 ;
C 110 ; WX 600 ; N n ; B 18 0 615 454 ;
C 111 ; WX 600 ; N o ; B 71 -15 622 454 ;
C 112 ; WX 600 ; N p ; B -32 -142 622 454 ;
C 113 ; WX 600 ; N q ; B 60 -142 685 454 ;
C 114 ; WX 600 ; N r ; B 47 0 655 454 ;
C 115 ; WX 600 ; N s ; B 66 -17 608 459 ;
C 116 ; WX 600 ; N t ; B 118 -15 567 562 ;
C 117 ; WX 600 ; N u ; B 70 -15 592 439 ;
C 118 ; WX 600 ; N v ; B 70 0 695 439 ;
C 119 ; WX 600 ; N w ; B 53 0 712 439 ;
C 120 ; WX 600 ; N x ; B 6 0 671 439 ;
C 121 ; WX 600 ; N y ; B -21 -142 695 439 ;
C 122 ; WX 600 ; N z ; B 81 0 614 439 ;
C 123 ; WX 600 ; N braceleft ; B 203 -102 595 616 ;
C 124 ; WX 600 ; N bar ; B 201 -250 505 750 ;
C 125 ; WX 600 ; N braceright ; B 114 -102 506 616 ;
C 126 ; WX 600 ; N asciitilde ; B 120 153 590 356 ;
C 161 ; WX 600 ; N exclamdown ; B 196 -146 477 449 ;
C 162 ; WX 600 ; N cent ; B 121 -49 605 614 ;
C 163 ; WX 600 ; N sterling ; B 106 -28 650 611 ;
C 164 ; WX 600 ; N fraction ; B 22 -60 708 661 ;
C 165 ; WX 600 ; N yen ; B 98 0 710 562 ;
C 166 ; WX 600 ; N florin ; B -57 -131 702 616 ;
C 167 ; WX 600 ; N section ; B 74 -70 620 580 ;
C 168 ; WX 600 ; N currency ; B 77 49 644 517 ;
C 169 ; WX 600 ; N quotesingle ; B 303 277 493 562 ;
C 170 ; WX 600 ; N quotedblleft ; B 190 277 594 562 ;
C 171 ; WX 600 ; N guillemotleft ; B 62 70 639 446 ;
C 172 ; WX 600 ; N guilsinglleft ; B 195 70 545 446 ;
C 173 ; WX 600 ; N guilsinglright ; B 165 70 514 446 ;
C 174 ; WX 600 ; N fi ; B 12 0 644 626 ;
C 175 ; WX 600 ; N fl ; B 12 0 644 626 ;
C 177 ; WX 600 ; N endash ; B 108 203 602 313 ;

C 178 ; WX 600 ; N dagger ; B 175 -70 586 580 ;
C 179 ; WX 600 ; N daggerdbl ; B 121 -70 587 580 ;
C 180 ; WX 600 ; N periodcentered ; B 248 165 461 351 ;
C 182 ; WX 600 ; N paragraph ; B 61 -70 700 580 ;
C 183 ; WX 600 ; N bullet ; B 196 132 523 430 ;
C 184 ; WX 600 ; N quotesinglbase ; B 144 -142 458 143 ;
C 185 ; WX 600 ; N quotedblbase ; B 34 -142 560 143 ;
C 186 ; WX 600 ; N quotedblright ; B 119 277 645 562 ;
C 187 ; WX 600 ; N guillemotright ; B 71 70 647 446 ;
C 188 ; WX 600 ; N ellipsis ; B 35 -15 587 116 ;
C 189 ; WX 600 ; N perthousand ; B -45 -15 743 616 ;
C 191 ; WX 600 ; N questiondown ; B 100 -146 509 449 ;
C 193 ; WX 600 ; N grave ; B 272 508 503 661 ;
C 194 ; WX 600 ; N acute ; B 312 508 609 661 ;
C 195 ; WX 600 ; N circumflex ; B 212 483 607 657 ;
C 196 ; WX 600 ; N tilde ; B 199 493 643 636 ;
C 197 ; WX 600 ; N macron ; B 195 505 637 585 ;
C 198 ; WX 600 ; N breve ; B 217 468 652 631 ;
C 199 ; WX 600 ; N dotaccent ; B 348 498 493 638 ;
C 200 ; WX 600 ; N dieresis ; B 246 498 595 638 ;
C 202 ; WX 600 ; N ring ; B 319 481 528 678 ;
C 203 ; WX 600 ; N cedilla ; B 168 -206 368 0 ;
C 205 ; WX 600 ; N hungarumlaut ; B 171 488 729 661 ;
C 206 ; WX 600 ; N ogonek ; B 143 -199 367 0 ;
C 207 ; WX 600 ; N caron ; B 238 493 633 667 ;
C 208 ; WX 600 ; N emdash ; B 33 203 677 313 ;
C 225 ; WX 600 ; N AE ; B -29 0 708 562 ;
C 227 ; WX 600 ; N ordfeminine ; B 188 196 526 580 ;
C 232 ; WX 600 ; N Lslash ; B 39 0 636 562 ;
C 233 ; WX 600 ; N Oslash ; B 48 -22 673 584 ;
C 234 ; WX 600 ; N OE ; B 26 0 701 562 ;
C 235 ; WX 600 ; N ordmasculine ; B 188 196 543 580 ;
C 241 ; WX 600 ; N ae ; B 21 -15 652 454 ;
C 245 ; WX 600 ; N dotlessi ; B 77 0 546 439 ;
C 248 ; WX 600 ; N lslash ; B 77 0 587 626 ;
C 249 ; WX 600 ; N oslash ; B 54 -24 638 463 ;
C 250 ; WX 600 ; N oe ; B 18 -15 662 454 ;
C 251 ; WX 600 ; N germandbls ; B 22 -15 629 626 ;
C -1 ; WX 600 ; N Idieresis ; B 77 0 643 761 ;
C -1 ; WX 600 ; N eacute ; B 81 -15 609 661 ;
C -1 ; WX 600 ; N abreve ; B 61 -15 658 661 ;
C -1 ; WX 600 ; N uhungarumlaut ; B 70 -15 769 661 ;
C -1 ; WX 600 ; N ecaron ; B 81 -15 633 667 ;
C -1 ; WX 600 ; N Ydieresis ; B 109 0 709 761 ;
C -1 ; WX 600 ; N divide ; B 114 16 596 500 ;
C -1 ; WX 600 ; N Yacute ; B 109 0 709 784 ;
C -1 ; WX 600 ; N Acircumflex ; B -9 0 632 780 ;
C -1 ; WX 600 ; N aacute ; B 61 -15 609 661 ;

C -1 ; WX 600 ; N Ucircumflex ; B 101 -18 716 780 ;
C -1 ; WX 600 ; N yacute ; B -21 -142 695 661 ;
C -1 ; WX 600 ; N scommaaccent ; B 66 -250 608 459 ;
C -1 ; WX 600 ; N ecircumflex ; B 81 -15 607 657 ;
C -1 ; WX 600 ; N Uring ; B 101 -18 716 801 ;
C -1 ; WX 600 ; N Udieresis ; B 101 -18 716 761 ;
C -1 ; WX 600 ; N aogonek ; B 61 -199 593 454 ;
C -1 ; WX 600 ; N Uacute ; B 101 -18 716 784 ;
C -1 ; WX 600 ; N uogonek ; B 70 -199 592 439 ;
C -1 ; WX 600 ; N Edieresis ; B 25 0 670 761 ;
C -1 ; WX 600 ; N Dcroat ; B 30 0 664 562 ;
C -1 ; WX 600 ; N commaaccent ; B 151 -250 385 -57 ;
C -1 ; WX 600 ; N copyright ; B 53 -18 667 580 ;
C -1 ; WX 600 ; N Emacron ; B 25 0 670 708 ;
C -1 ; WX 600 ; N ccaron ; B 81 -15 633 667 ;
C -1 ; WX 600 ; N aring ; B 61 -15 593 678 ;
C -1 ; WX 600 ; N Ncommaaccent ; B 8 -250 730 562 ;
C -1 ; WX 600 ; N lacute ; B 77 0 639 801 ;
C -1 ; WX 600 ; N agrave ; B 61 -15 593 661 ;
C -1 ; WX 600 ; N Tcommaaccent ; B 86 -250 679 562 ;
C -1 ; WX 600 ; N Cacute ; B 74 -18 675 784 ;
C -1 ; WX 600 ; N atilde ; B 61 -15 643 636 ;
C -1 ; WX 600 ; N Edotaccent ; B 25 0 670 761 ;
C -1 ; WX 600 ; N scaron ; B 66 -17 633 667 ;
C -1 ; WX 600 ; N scedilla ; B 66 -206 608 459 ;
C -1 ; WX 600 ; N iacute ; B 77 0 609 661 ;
C -1 ; WX 600 ; N lozenge ; B 145 0 614 740 ;
C -1 ; WX 600 ; N Rcaron ; B 24 0 659 790 ;
C -1 ; WX 600 ; N Gcommaaccent ; B 74 -250 675 580 ;
C -1 ; WX 600 ; N ucircumflex ; B 70 -15 597 657 ;
C -1 ; WX 600 ; N acircumflex ; B 61 -15 607 657 ;
C -1 ; WX 600 ; N Amacron ; B -9 0 633 708 ;
C -1 ; WX 600 ; N rcaron ; B 47 0 655 667 ;
C -1 ; WX 600 ; N ccedilla ; B 81 -206 631 459 ;
C -1 ; WX 600 ; N Zdotaccent ; B 62 0 637 761 ;
C -1 ; WX 600 ; N Thorn ; B 48 0 620 562 ;
C -1 ; WX 600 ; N Omacron ; B 74 -18 663 708 ;
C -1 ; WX 600 ; N Racute ; B 24 0 665 784 ;
C -1 ; WX 600 ; N Sacute ; B 54 -22 673 784 ;
C -1 ; WX 600 ; N dcaron ; B 60 -15 861 626 ;
C -1 ; WX 600 ; N Umacron ; B 101 -18 716 708 ;
C -1 ; WX 600 ; N uring ; B 70 -15 592 678 ;
C -1 ; WX 600 ; N threesuperior ; B 193 222 526 616 ;
C -1 ; WX 600 ; N Ograve ; B 74 -18 645 784 ;
C -1 ; WX 600 ; N Agrave ; B -9 0 632 784 ;
C -1 ; WX 600 ; N Abreve ; B -9 0 684 784 ;
C -1 ; WX 600 ; N multiply ; B 104 39 606 478 ;
C -1 ; WX 600 ; N uacute ; B 70 -15 599 661 ;

C -1 ; WX 600 ; N Tcaron ; B 86 0 679 790 ;
C -1 ; WX 600 ; N partialdiff ; B 91 -38 627 728 ;
C -1 ; WX 600 ; N ydieresis ; B -21 -142 695 638 ;
C -1 ; WX 600 ; N Nacute ; B 8 -12 730 784 ;
C -1 ; WX 600 ; N icircumflex ; B 77 0 577 657 ;
C -1 ; WX 600 ; N Ecircumflex ; B 25 0 670 780 ;
C -1 ; WX 600 ; N adieresis ; B 61 -15 595 638 ;
C -1 ; WX 600 ; N edieresis ; B 81 -15 605 638 ;
C -1 ; WX 600 ; N cacute ; B 81 -15 649 661 ;
C -1 ; WX 600 ; N nacute ; B 18 0 639 661 ;
C -1 ; WX 600 ; N umacron ; B 70 -15 637 585 ;
C -1 ; WX 600 ; N Ncaron ; B 8 -12 730 790 ;
C -1 ; WX 600 ; N Iacute ; B 77 0 643 784 ;
C -1 ; WX 600 ; N plusminus ; B 76 24 614 515 ;
C -1 ; WX 600 ; N brokenbar ; B 217 -175 489 675 ;
C -1 ; WX 600 ; N registered ; B 53 -18 667 580 ;
C -1 ; WX 600 ; N Gbreve ; B 74 -18 684 784 ;
C -1 ; WX 600 ; N Idotaccent ; B 77 0 643 761 ;
C -1 ; WX 600 ; N summation ; B 15 -10 672 706 ;
C -1 ; WX 600 ; N Egrave ; B 25 0 670 784 ;
C -1 ; WX 600 ; N racute ; B 47 0 655 661 ;
C -1 ; WX 600 ; N omacron ; B 71 -15 637 585 ;
C -1 ; WX 600 ; N Zacute ; B 62 0 665 784 ;
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C -1 ; WX 600 ; N greaterequal ; B 26 0 627 696 ;
C -1 ; WX 600 ; N Eth ; B 30 0 664 562 ;
C -1 ; WX 600 ; N Ccedilla ; B 74 -206 675 580 ;
C -1 ; WX 600 ; N lcommaaccent ; B 77 -250 546 626 ;
C -1 ; WX 600 ; N tcaron ; B 118 -15 627 703 ;
C -1 ; WX 600 ; N eogonek ; B 81 -199 605 454 ;
C -1 ; WX 600 ; N Uogonek ; B 101 -199 716 562 ;
C -1 ; WX 600 ; N Aacute ; B -9 0 655 784 ;
C -1 ; WX 600 ; N Adieresis ; B -9 0 632 761 ;
C -1 ; WX 600 ; N egrave ; B 81 -15 605 661 ;
C -1 ; WX 600 ; N zacute ; B 81 0 614 661 ;
C -1 ; WX 600 ; N iogonek ; B 77 -199 546 658 ;
C -1 ; WX 600 ; N Oacute ; B 74 -18 645 784 ;
C -1 ; WX 600 ; N oacute ; B 71 -15 649 661 ;
C -1 ; WX 600 ; N amacron ; B 61 -15 637 585 ;
C -1 ; WX 600 ; N sacute ; B 66 -17 609 661 ;
C -1 ; WX 600 ; N idieresis ; B 77 0 561 618 ;
C -1 ; WX 600 ; N Ocircumflex ; B 74 -18 645 780 ;
C -1 ; WX 600 ; N Ugrave ; B 101 -18 716 784 ;
C -1 ; WX 600 ; N Delta ; B 6 0 594 688 ;
C -1 ; WX 600 ; N thorn ; B -32 -142 622 626 ;
C -1 ; WX 600 ; N twosuperior ; B 191 230 542 616 ;
C -1 ; WX 600 ; N Odieresis ; B 74 -18 645 761 ;
C -1 ; WX 600 ; N mu ; B 49 -142 592 439 ;

C -1 ; WX 600 ; N igrave ; B 77 0 546 661 ;
C -1 ; WX 600 ; N ohungarumlaut ; B 71 -15 809 661 ;
C -1 ; WX 600 ; N Eogonek ; B 25 -199 670 562 ;
C -1 ; WX 600 ; N dcroat ; B 60 -15 712 626 ;
C -1 ; WX 600 ; N threequarters ; B 8 -60 699 661 ;
C -1 ; WX 600 ; N Scedilla ; B 54 -206 673 582 ;
C -1 ; WX 600 ; N lcaron ; B 77 0 731 626 ;
C -1 ; WX 600 ; N Kcommaaccent ; B 21 -250 692 562 ;
C -1 ; WX 600 ; N Lacute ; B 39 0 636 784 ;
C -1 ; WX 600 ; N trademark ; B 86 230 869 562 ;
C -1 ; WX 600 ; N edotaccent ; B 81 -15 605 638 ;
C -1 ; WX 600 ; N Igrave ; B 77 0 643 784 ;
C -1 ; WX 600 ; N Imacron ; B 77 0 663 708 ;
C -1 ; WX 600 ; N Lcaron ; B 39 0 757 562 ;
C -1 ; WX 600 ; N onehalf ; B 22 -60 716 661 ;
C -1 ; WX 600 ; N lessequal ; B 26 0 671 696 ;
C -1 ; WX 600 ; N ocircumflex ; B 71 -15 622 657 ;
C -1 ; WX 600 ; N ntilde ; B 18 0 643 636 ;
C -1 ; WX 600 ; N Uhungarumlaut ; B 101 -18 805 784 ;
C -1 ; WX 600 ; N Eacute ; B 25 0 670 784 ;
C -1 ; WX 600 ; N emacron ; B 81 -15 637 585 ;
C -1 ; WX 600 ; N gbreve ; B 40 -146 674 661 ;
C -1 ; WX 600 ; N onequarter ; B 13 -60 707 661 ;
C -1 ; WX 600 ; N Scaron ; B 54 -22 689 790 ;
C -1 ; WX 600 ; N Scommaaccent ; B 54 -250 673 582 ;
C -1 ; WX 600 ; N Ohungarumlaut ; B 74 -18 795 784 ;
C -1 ; WX 600 ; N degree ; B 173 243 570 616 ;
C -1 ; WX 600 ; N ograve ; B 71 -15 622 661 ;
C -1 ; WX 600 ; N Ccaron ; B 74 -18 689 790 ;
C -1 ; WX 600 ; N ugrave ; B 70 -15 592 661 ;
C -1 ; WX 600 ; N radical ; B 67 -104 635 778 ;
C -1 ; WX 600 ; N Dcaron ; B 30 0 664 790 ;
C -1 ; WX 600 ; N rcommaaccent ; B 47 -250 655 454 ;
C -1 ; WX 600 ; N Ntilde ; B 8 -12 730 759 ;
C -1 ; WX 600 ; N otilde ; B 71 -15 643 636 ;
C -1 ; WX 600 ; N Rcommaaccent ; B 24 -250 617 562 ;
C -1 ; WX 600 ; N Lcommaaccent ; B 39 -250 636 562 ;
C -1 ; WX 600 ; N Atilde ; B -9 0 669 759 ;
C -1 ; WX 600 ; N Aogonek ; B -9 -199 632 562 ;
C -1 ; WX 600 ; N Aring ; B -9 0 632 801 ;
C -1 ; WX 600 ; N Otilde ; B 74 -18 669 759 ;
C -1 ; WX 600 ; N zdotaccent ; B 81 0 614 638 ;
C -1 ; WX 600 ; N Ecaron ; B 25 0 670 790 ;
C -1 ; WX 600 ; N Iogonek ; B 77 -199 643 562 ;
C -1 ; WX 600 ; N kcommaaccent ; B 33 -250 643 626 ;
C -1 ; WX 600 ; N minus ; B 114 203 596 313 ;
C -1 ; WX 600 ; N Icircumflex ; B 77 0 643 780 ;
C -1 ; WX 600 ; N ncaron ; B 18 0 633 667 ;

C -1 ; WX 600 ; N tcommaaccent ; B 118 -250 567 562 ;
C -1 ; WX 600 ; N logicalnot ; B 135 103 617 413 ;
C -1 ; WX 600 ; N odieresis ; B 71 -15 622 638 ;
C -1 ; WX 600 ; N udieresis ; B 70 -15 595 638 ;
C -1 ; WX 600 ; N notequal ; B 30 -47 626 563 ;
C -1 ; WX 600 ; N gcommaaccent ; B 40 -146 674 714 ;
C -1 ; WX 600 ; N eth ; B 93 -27 661 626 ;
C -1 ; WX 600 ; N zcaron ; B 81 0 643 667 ;
C -1 ; WX 600 ; N ncommaaccent ; B 18 -250 615 454 ;
C -1 ; WX 600 ; N onesuperior ; B 212 230 514 616 ;
C -1 ; WX 600 ; N imacron ; B 77 0 575 585 ;
C -1 ; WX 600 ; N Euro ; B 0 0 0 0 ;
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EndFontMetrics

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Comment UniqueID 43065

Comment VMusage 41636 52661

FontName Times-Bold

FullName Times Bold

FamilyName Times

Weight Bold

ItalicAngle 0

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -168 -218 1000 935

UnderlinePosition -100

UnderlineThickness 50

Version 002.000

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EncodingScheme AdobeStandardEncoding

CapHeight 676

XHeight 461

Ascender 683

Descender -217

StdHW 44

StdVW 139

StartCharMetrics 315

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C 33 ; WX 333 ; N exclam ; B 81 -13 251 691 ;

C 34 ; WX 555 ; N quotedbl ; B 83 404 472 691 ;
C 35 ; WX 500 ; N numbersign ; B 4 0 496 700 ;
C 36 ; WX 500 ; N dollar ; B 29 -99 472 750 ;
C 37 ; WX 1000 ; N percent ; B 124 -14 877 692 ;
C 38 ; WX 833 ; N ampersand ; B 62 -16 787 691 ;
C 39 ; WX 333 ; N quoteright ; B 79 356 263 691 ;
C 40 ; WX 333 ; N parenleft ; B 46 -168 306 694 ;
C 41 ; WX 333 ; N parenright ; B 27 -168 287 694 ;
C 42 ; WX 500 ; N asterisk ; B 56 255 447 691 ;
C 43 ; WX 570 ; N plus ; B 33 0 537 506 ;
C 44 ; WX 250 ; N comma ; B 39 -180 223 155 ;
C 45 ; WX 333 ; N hyphen ; B 44 171 287 287 ;
C 46 ; WX 250 ; N period ; B 41 -13 210 156 ;
C 47 ; WX 278 ; N slash ; B -24 -19 302 691 ;
C 48 ; WX 500 ; N zero ; B 24 -13 476 688 ;
C 49 ; WX 500 ; N one ; B 65 0 442 688 ;
C 50 ; WX 500 ; N two ; B 17 0 478 688 ;
C 51 ; WX 500 ; N three ; B 16 -14 468 688 ;
C 52 ; WX 500 ; N four ; B 19 0 475 688 ;
C 53 ; WX 500 ; N five ; B 22 -8 470 676 ;
C 54 ; WX 500 ; N six ; B 28 -13 475 688 ;
C 55 ; WX 500 ; N seven ; B 17 0 477 676 ;
C 56 ; WX 500 ; N eight ; B 28 -13 472 688 ;
C 57 ; WX 500 ; N nine ; B 26 -13 473 688 ;
C 58 ; WX 333 ; N colon ; B 82 -13 251 472 ;
C 59 ; WX 333 ; N semicolon ; B 82 -180 266 472 ;
C 60 ; WX 570 ; N less ; B 31 -8 539 514 ;
C 61 ; WX 570 ; N equal ; B 33 107 537 399 ;
C 62 ; WX 570 ; N greater ; B 31 -8 539 514 ;
C 63 ; WX 500 ; N question ; B 57 -13 445 689 ;
C 64 ; WX 930 ; N at ; B 108 -19 822 691 ;
C 65 ; WX 722 ; N A ; B 9 0 689 690 ;
C 66 ; WX 667 ; N B ; B 16 0 619 676 ;
C 67 ; WX 722 ; N C ; B 49 -19 687 691 ;
C 68 ; WX 722 ; N D ; B 14 0 690 676 ;
C 69 ; WX 667 ; N E ; B 16 0 641 676 ;
C 70 ; WX 611 ; N F ; B 16 0 583 676 ;
C 71 ; WX 778 ; N G ; B 37 -19 755 691 ;
C 72 ; WX 778 ; N H ; B 21 0 759 676 ;
C 73 ; WX 389 ; N I ; B 20 0 370 676 ;
C 74 ; WX 500 ; N J ; B 3 -96 479 676 ;
C 75 ; WX 778 ; N K ; B 30 0 769 676 ;
C 76 ; WX 667 ; N L ; B 19 0 638 676 ;
C 77 ; WX 944 ; N M ; B 14 0 921 676 ;
C 78 ; WX 722 ; N N ; B 16 -18 701 676 ;
C 79 ; WX 778 ; N O ; B 35 -19 743 691 ;
C 80 ; WX 611 ; N P ; B 16 0 600 676 ;
C 81 ; WX 778 ; N Q ; B 35 -176 743 691 ;

C 82 ; WX 722 ; N R ; B 26 0 715 676 ;
C 83 ; WX 556 ; N S ; B 35 -19 513 692 ;
C 84 ; WX 667 ; N T ; B 31 0 636 676 ;
C 85 ; WX 722 ; N U ; B 16 -19 701 676 ;
C 86 ; WX 722 ; N V ; B 16 -18 701 676 ;
C 87 ; WX 1000 ; N W ; B 19 -15 981 676 ;
C 88 ; WX 722 ; N X ; B 16 0 699 676 ;
C 89 ; WX 722 ; N Y ; B 15 0 699 676 ;
C 90 ; WX 667 ; N Z ; B 28 0 634 676 ;
C 91 ; WX 333 ; N bracketleft ; B 67 -149 301 678 ;
C 92 ; WX 278 ; N backslash ; B -25 -19 303 691 ;
C 93 ; WX 333 ; N bracketright ; B 32 -149 266 678 ;
C 94 ; WX 581 ; N asciicircum ; B 73 311 509 676 ;
C 95 ; WX 500 ; N underscore ; B 0 -125 500 -75 ;
C 96 ; WX 333 ; N quoteleft ; B 70 356 254 691 ;
C 97 ; WX 500 ; N a ; B 25 -14 488 473 ;
C 98 ; WX 556 ; N b ; B 17 -14 521 676 ;
C 99 ; WX 444 ; N c ; B 25 -14 430 473 ;
C 100 ; WX 556 ; N d ; B 25 -14 534 676 ;
C 101 ; WX 444 ; N e ; B 25 -14 426 473 ;
C 102 ; WX 333 ; N f ; B 14 0 389 691 ; L i fi ; L l fl ;
C 103 ; WX 500 ; N g ; B 28 -206 483 473 ;
C 104 ; WX 556 ; N h ; B 16 0 534 676 ;
C 105 ; WX 278 ; N i ; B 16 0 255 691 ;
C 106 ; WX 333 ; N j ; B -57 -203 263 691 ;
C 107 ; WX 556 ; N k ; B 22 0 543 676 ;
C 108 ; WX 278 ; N l ; B 16 0 255 676 ;
C 109 ; WX 833 ; N m ; B 16 0 814 473 ;
C 110 ; WX 556 ; N n ; B 21 0 539 473 ;
C 111 ; WX 500 ; N o ; B 25 -14 476 473 ;
C 112 ; WX 556 ; N p ; B 19 -205 524 473 ;
C 113 ; WX 556 ; N q ; B 34 -205 536 473 ;
C 114 ; WX 444 ; N r ; B 29 0 434 473 ;
C 115 ; WX 389 ; N s ; B 25 -14 361 473 ;
C 116 ; WX 333 ; N t ; B 20 -12 332 630 ;
C 117 ; WX 556 ; N u ; B 16 -14 537 461 ;
C 118 ; WX 500 ; N v ; B 21 -14 485 461 ;
C 119 ; WX 722 ; N w ; B 23 -14 707 461 ;
C 120 ; WX 500 ; N x ; B 12 0 484 461 ;
C 121 ; WX 500 ; N y ; B 16 -205 480 461 ;
C 122 ; WX 444 ; N z ; B 21 0 420 461 ;
C 123 ; WX 394 ; N braceleft ; B 22 -175 340 698 ;
C 124 ; WX 220 ; N bar ; B 66 -218 154 782 ;
C 125 ; WX 394 ; N braceright ; B 54 -175 372 698 ;
C 126 ; WX 520 ; N asciitilde ; B 29 173 491 333 ;
C 161 ; WX 333 ; N exclamdown ; B 82 -203 252 501 ;
C 162 ; WX 500 ; N cent ; B 53 -140 458 588 ;
C 163 ; WX 500 ; N sterling ; B 21 -14 477 684 ;

C 164 ; WX 167 ; N fraction ; B -168 -12 329 688 ;
C 165 ; WX 500 ; N yen ; B -64 0 547 676 ;
C 166 ; WX 500 ; N florin ; B 0 -155 498 706 ;
C 167 ; WX 500 ; N section ; B 57 -132 443 691 ;
C 168 ; WX 500 ; N currency ; B -26 61 526 613 ;
C 169 ; WX 278 ; N quotesingle ; B 75 404 204 691 ;
C 170 ; WX 500 ; N quotedblleft ; B 32 356 486 691 ;
C 171 ; WX 500 ; N guillemotleft ; B 23 36 473 415 ;
C 172 ; WX 333 ; N guilsinglleft ; B 51 36 305 415 ;
C 173 ; WX 333 ; N guilsinglright ; B 28 36 282 415 ;
C 174 ; WX 556 ; N fi ; B 14 0 536 691 ;
C 175 ; WX 556 ; N fl ; B 14 0 536 691 ;
C 177 ; WX 500 ; N endash ; B 0 181 500 271 ;
C 178 ; WX 500 ; N dagger ; B 47 -134 453 691 ;
C 179 ; WX 500 ; N daggerdbl ; B 45 -132 456 691 ;
C 180 ; WX 250 ; N periodcentered ; B 41 248 210 417 ;
C 182 ; WX 540 ; N paragraph ; B 0 -186 519 676 ;
C 183 ; WX 350 ; N bullet ; B 35 198 315 478 ;
C 184 ; WX 333 ; N quotesinglbase ; B 79 -180 263 155 ;
C 185 ; WX 500 ; N quotedblbase ; B 14 -180 468 155 ;
C 186 ; WX 500 ; N quotedblright ; B 14 356 468 691 ;
C 187 ; WX 500 ; N guillemotright ; B 27 36 477 415 ;
C 188 ; WX 1000 ; N ellipsis ; B 82 -13 917 156 ;
C 189 ; WX 1000 ; N perthousand ; B 7 -29 995 706 ;
C 191 ; WX 500 ; N questiondown ; B 55 -201 443 501 ;
C 193 ; WX 333 ; N grave ; B 8 528 246 713 ;
C 194 ; WX 333 ; N acute ; B 86 528 324 713 ;
C 195 ; WX 333 ; N circumflex ; B -2 528 335 704 ;
C 196 ; WX 333 ; N tilde ; B -16 547 349 674 ;
C 197 ; WX 333 ; N macron ; B 1 565 331 637 ;
C 198 ; WX 333 ; N breve ; B 15 528 318 691 ;
C 199 ; WX 333 ; N dotaccent ; B 103 536 258 691 ;
C 200 ; WX 333 ; N dieresis ; B -2 537 335 667 ;
C 202 ; WX 333 ; N ring ; B 60 527 273 740 ;
C 203 ; WX 333 ; N cedilla ; B 68 -218 294 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B -13 528 425 713 ;
C 206 ; WX 333 ; N ogonek ; B 90 -193 319 24 ;
C 207 ; WX 333 ; N caron ; B -2 528 335 704 ;
C 208 ; WX 1000 ; N emdash ; B 0 181 1000 271 ;
C 225 ; WX 1000 ; N AE ; B 4 0 951 676 ;
C 227 ; WX 300 ; N ordfeminine ; B -1 397 301 688 ;
C 232 ; WX 667 ; N Lslash ; B 19 0 638 676 ;
C 233 ; WX 778 ; N Oslash ; B 35 -74 743 737 ;
C 234 ; WX 1000 ; N OE ; B 22 -5 981 684 ;
C 235 ; WX 330 ; N ordmasculine ; B 18 397 312 688 ;
C 241 ; WX 722 ; N ae ; B 33 -14 693 473 ;
C 245 ; WX 278 ; N dotlessi ; B 16 0 255 461 ;
C 248 ; WX 278 ; N lslash ; B -22 0 303 676 ;

C 249 ; WX 500 ; N oslash ; B 25 -92 476 549 ;
C 250 ; WX 722 ; N oe ; B 22 -14 696 473 ;
C 251 ; WX 556 ; N germandbls ; B 19 -12 517 691 ;
C -1 ; WX 389 ; N Idieresis ; B 20 0 370 877 ;
C -1 ; WX 444 ; N eacute ; B 25 -14 426 713 ;
C -1 ; WX 500 ; N abreve ; B 25 -14 488 691 ;
C -1 ; WX 556 ; N uhungarumlaut ; B 16 -14 557 713 ;
C -1 ; WX 444 ; N ecaron ; B 25 -14 426 704 ;
C -1 ; WX 722 ; N Ydieresis ; B 15 0 699 877 ;
C -1 ; WX 570 ; N divide ; B 33 -31 537 537 ;
C -1 ; WX 722 ; N Yacute ; B 15 0 699 923 ;
C -1 ; WX 722 ; N Acircumflex ; B 9 0 689 914 ;
C -1 ; WX 500 ; N aacute ; B 25 -14 488 713 ;
C -1 ; WX 722 ; N Ucircumflex ; B 16 -19 701 914 ;
C -1 ; WX 500 ; N yacute ; B 16 -205 480 713 ;
C -1 ; WX 389 ; N scommaaccent ; B 25 -218 361 473 ;
C -1 ; WX 444 ; N ecircumflex ; B 25 -14 426 704 ;
C -1 ; WX 722 ; N Uring ; B 16 -19 701 935 ;
C -1 ; WX 722 ; N Udieresis ; B 16 -19 701 877 ;
C -1 ; WX 500 ; N aogonek ; B 25 -193 504 473 ;
C -1 ; WX 722 ; N Uacute ; B 16 -19 701 923 ;
C -1 ; WX 556 ; N uogonek ; B 16 -193 539 461 ;
C -1 ; WX 667 ; N Edieresis ; B 16 0 641 877 ;
C -1 ; WX 722 ; N Dcroat ; B 6 0 690 676 ;
C -1 ; WX 250 ; N commaaccent ; B 47 -218 203 -50 ;
C -1 ; WX 747 ; N copyright ; B 26 -19 721 691 ;
C -1 ; WX 667 ; N Emacron ; B 16 0 641 847 ;
C -1 ; WX 444 ; N ccaron ; B 25 -14 430 704 ;
C -1 ; WX 500 ; N aring ; B 25 -14 488 740 ;
C -1 ; WX 722 ; N Ncommaaccent ; B 16 -188 701 676 ;
C -1 ; WX 278 ; N lacute ; B 16 0 297 923 ;
C -1 ; WX 500 ; N agrave ; B 25 -14 488 713 ;
C -1 ; WX 667 ; N Tcommaaccent ; B 31 -218 636 676 ;
C -1 ; WX 722 ; N Cacute ; B 49 -19 687 923 ;
C -1 ; WX 500 ; N atilde ; B 25 -14 488 674 ;
C -1 ; WX 667 ; N Edotaccent ; B 16 0 641 901 ;
C -1 ; WX 389 ; N scaron ; B 25 -14 363 704 ;
C -1 ; WX 389 ; N scedilla ; B 25 -218 361 473 ;
C -1 ; WX 278 ; N iacute ; B 16 0 289 713 ;
C -1 ; WX 494 ; N lozenge ; B 10 0 484 745 ;
C -1 ; WX 722 ; N Rcaron ; B 26 0 715 914 ;
C -1 ; WX 778 ; N Gcommaaccent ; B 37 -218 755 691 ;
C -1 ; WX 556 ; N ucircumflex ; B 16 -14 537 704 ;
C -1 ; WX 500 ; N acircumflex ; B 25 -14 488 704 ;
C -1 ; WX 722 ; N Amacron ; B 9 0 689 847 ;
C -1 ; WX 444 ; N rcaron ; B 29 0 434 704 ;
C -1 ; WX 444 ; N ccedilla ; B 25 -218 430 473 ;
C -1 ; WX 667 ; N Zdotaccent ; B 28 0 634 901 ;

C -1 ; WX 611 ; N Thorn ; B 16 0 600 676 ;
C -1 ; WX 778 ; N Omacron ; B 35 -19 743 847 ;
C -1 ; WX 722 ; N Racute ; B 26 0 715 923 ;
C -1 ; WX 556 ; N Sacute ; B 35 -19 513 923 ;
C -1 ; WX 672 ; N dcaron ; B 25 -14 681 682 ;
C -1 ; WX 722 ; N Umacron ; B 16 -19 701 847 ;
C -1 ; WX 556 ; N uring ; B 16 -14 537 740 ;
C -1 ; WX 300 ; N threesuperior ; B 3 268 297 688 ;
C -1 ; WX 778 ; N Ograve ; B 35 -19 743 923 ;
C -1 ; WX 722 ; N Agrave ; B 9 0 689 923 ;
C -1 ; WX 722 ; N Abreve ; B 9 0 689 901 ;
C -1 ; WX 570 ; N multiply ; B 48 16 522 490 ;
C -1 ; WX 556 ; N uacute ; B 16 -14 537 713 ;
C -1 ; WX 667 ; N Tcaron ; B 31 0 636 914 ;
C -1 ; WX 494 ; N partialdiff ; B 11 -21 494 750 ;
C -1 ; WX 500 ; N ydieresis ; B 16 -205 480 667 ;
C -1 ; WX 722 ; N Nacute ; B 16 -18 701 923 ;
C -1 ; WX 278 ; N icircumflex ; B -37 0 300 704 ;
C -1 ; WX 667 ; N Ecircumflex ; B 16 0 641 914 ;
C -1 ; WX 500 ; N adieresis ; B 25 -14 488 667 ;
C -1 ; WX 444 ; N edieresis ; B 25 -14 426 667 ;
C -1 ; WX 444 ; N cacute ; B 25 -14 430 713 ;
C -1 ; WX 556 ; N nacute ; B 21 0 539 713 ;
C -1 ; WX 556 ; N umacron ; B 16 -14 537 637 ;
C -1 ; WX 722 ; N Ncaron ; B 16 -18 701 914 ;
C -1 ; WX 389 ; N Iacute ; B 20 0 370 923 ;
C -1 ; WX 570 ; N plusminus ; B 33 0 537 506 ;
C -1 ; WX 220 ; N brokenbar ; B 66 -143 154 707 ;
C -1 ; WX 747 ; N registered ; B 26 -19 721 691 ;
C -1 ; WX 778 ; N Gbreve ; B 37 -19 755 901 ;
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C -1 ; WX 600 ; N summation ; B 14 -10 585 706 ;
C -1 ; WX 667 ; N Egrave ; B 16 0 641 923 ;
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C -1 ; WX 500 ; N omacron ; B 25 -14 476 637 ;
C -1 ; WX 667 ; N Zacute ; B 28 0 634 923 ;
C -1 ; WX 667 ; N Zcaron ; B 28 0 634 914 ;
C -1 ; WX 549 ; N greaterequal ; B 26 0 523 704 ;
C -1 ; WX 722 ; N Eth ; B 6 0 690 676 ;
C -1 ; WX 722 ; N Ccedilla ; B 49 -218 687 691 ;
C -1 ; WX 278 ; N lcommaaccent ; B 16 -218 255 676 ;
C -1 ; WX 416 ; N tcaron ; B 20 -12 425 815 ;
C -1 ; WX 444 ; N eogonek ; B 25 -193 426 473 ;
C -1 ; WX 722 ; N Uogonek ; B 16 -193 701 676 ;
C -1 ; WX 722 ; N Aacute ; B 9 0 689 923 ;
C -1 ; WX 722 ; N Adieresis ; B 9 0 689 877 ;
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C -1 ; WX 444 ; N zacute ; B 21 0 420 713 ;

C -1 ; WX 278 ; N iogonek ; B 16 -193 274 691 ;
C -1 ; WX 778 ; N Oacute ; B 35 -19 743 923 ;
C -1 ; WX 500 ; N oacute ; B 25 -14 476 713 ;
C -1 ; WX 500 ; N amacron ; B 25 -14 488 637 ;
C -1 ; WX 389 ; N sacute ; B 25 -14 361 713 ;
C -1 ; WX 278 ; N idieresis ; B -37 0 300 667 ;
C -1 ; WX 778 ; N Ocircumflex ; B 35 -19 743 914 ;
C -1 ; WX 722 ; N Ugrave ; B 16 -19 701 923 ;
C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 556 ; N thorn ; B 19 -205 524 676 ;
C -1 ; WX 300 ; N twosuperior ; B 0 275 300 688 ;
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C -1 ; WX 278 ; N igrave ; B -27 0 255 713 ;
C -1 ; WX 500 ; N ohungarumlaut ; B 25 -14 529 713 ;
C -1 ; WX 667 ; N Eogonek ; B 16 -193 644 676 ;
C -1 ; WX 556 ; N dcroat ; B 25 -14 534 676 ;
C -1 ; WX 750 ; N threequarters ; B 23 -12 733 688 ;
C -1 ; WX 556 ; N Scedilla ; B 35 -218 513 692 ;
C -1 ; WX 394 ; N lcaron ; B 16 0 412 682 ;
C -1 ; WX 778 ; N Kcommaaccent ; B 30 -218 769 676 ;
C -1 ; WX 667 ; N Lacute ; B 19 0 638 923 ;
C -1 ; WX 1000 ; N trademark ; B 24 271 977 676 ;
C -1 ; WX 444 ; N edotaccent ; B 25 -14 426 691 ;
C -1 ; WX 389 ; N Igrave ; B 20 0 370 923 ;
C -1 ; WX 389 ; N Imacron ; B 20 0 370 847 ;
C -1 ; WX 667 ; N Lcaron ; B 19 0 652 682 ;
C -1 ; WX 750 ; N onehalf ; B -7 -12 775 688 ;
C -1 ; WX 549 ; N lessequal ; B 29 0 526 704 ;
C -1 ; WX 500 ; N ocircumflex ; B 25 -14 476 704 ;
C -1 ; WX 556 ; N ntilde ; B 21 0 539 674 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 16 -19 701 923 ;
C -1 ; WX 667 ; N Eacute ; B 16 0 641 923 ;
C -1 ; WX 444 ; N emacron ; B 25 -14 426 637 ;
C -1 ; WX 500 ; N gbreve ; B 28 -206 483 691 ;
C -1 ; WX 750 ; N onequarter ; B 28 -12 743 688 ;
C -1 ; WX 556 ; N Scaron ; B 35 -19 513 914 ;
C -1 ; WX 556 ; N Scommaaccent ; B 35 -218 513 692 ;
C -1 ; WX 778 ; N Ohungarumlaut ; B 35 -19 743 923 ;
C -1 ; WX 400 ; N degree ; B 57 402 343 688 ;
C -1 ; WX 500 ; N ograve ; B 25 -14 476 713 ;
C -1 ; WX 722 ; N Ccaron ; B 49 -19 687 914 ;
C -1 ; WX 556 ; N igrave ; B 16 -14 537 713 ;
C -1 ; WX 549 ; N radical ; B 10 -46 512 850 ;
C -1 ; WX 722 ; N Dcaron ; B 14 0 690 914 ;
C -1 ; WX 444 ; N rcommaaccent ; B 29 -218 434 473 ;
C -1 ; WX 722 ; N Ntilde ; B 16 -18 701 884 ;
C -1 ; WX 500 ; N otilde ; B 25 -14 476 674 ;

C -1 ; WX 722 ; N Rcommaaccent ; B 26 -218 715 676 ;
C -1 ; WX 667 ; N Lcommaaccent ; B 19 -218 638 676 ;
C -1 ; WX 722 ; N Atilde ; B 9 0 689 884 ;
C -1 ; WX 722 ; N Aogonek ; B 9 -193 699 690 ;
C -1 ; WX 722 ; N Aring ; B 9 0 689 935 ;
C -1 ; WX 778 ; N Otilde ; B 35 -19 743 884 ;
C -1 ; WX 444 ; N zdotaccent ; B 21 0 420 691 ;
C -1 ; WX 667 ; N Ecaron ; B 16 0 641 914 ;
C -1 ; WX 389 ; N Iogonek ; B 20 -193 370 676 ;
C -1 ; WX 556 ; N kcommaaccent ; B 22 -218 543 676 ;
C -1 ; WX 570 ; N minus ; B 33 209 537 297 ;
C -1 ; WX 389 ; N Icircumflex ; B 20 0 370 914 ;
C -1 ; WX 556 ; N ncaron ; B 21 0 539 704 ;
C -1 ; WX 333 ; N tcommaaccent ; B 20 -218 332 630 ;
C -1 ; WX 570 ; N logicalnot ; B 33 108 537 399 ;
C -1 ; WX 500 ; N odieresis ; B 25 -14 476 667 ;
C -1 ; WX 556 ; N udieresis ; B 16 -14 537 667 ;
C -1 ; WX 549 ; N notequal ; B 15 -49 540 570 ;
C -1 ; WX 500 ; N gcommaaccent ; B 28 -206 483 829 ;
C -1 ; WX 500 ; N eth ; B 25 -14 476 691 ;
C -1 ; WX 444 ; N zcaron ; B 21 0 420 704 ;
C -1 ; WX 556 ; N ncommaaccent ; B 21 -218 539 473 ;
C -1 ; WX 300 ; N onesuperior ; B 28 275 273 688 ;
C -1 ; WX 278 ; N imacron ; B -8 0 272 637 ;
C -1 ; WX 500 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

StartKernData

StartKernPairs 2242

KPX A C -55

KPX A Cacute -55

KPX A Ccaron -55

KPX A Ccedilla -55

KPX A G -55

KPX A Gbreve -55

KPX A Gcommaaccent -55

KPX A O -45

KPX A Oacute -45

KPX A Ocircumflex -45

KPX A Odieresis -45

KPX A Ograve -45

KPX A Ohungarumlaut -45

KPX A Omacron -45

KPX A Oslash -45

KPX A Otilde -45

KPX A Q -45

KPX A T -95

KPX A Tcaron -95

KPX A Tcommaaccent -95

KPX A U -50
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KPX A Ucircumflex -50
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KPX A Uhungarumlaut -50
KPX A Umacron -50
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KPX A Uring -50
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KPX A W -130
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KPX A quoteright -74
KPX A u -50
KPX A uacute -50
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KPX A udieresis -50
KPX A ugrave -50
KPX A uhungarumlaut -50
KPX A umacron -50
KPX A uogonek -50
KPX A uring -50
KPX A v -100
KPX A w -90
KPX A y -74
KPX A yacute -74
KPX A ydieresis -74
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KPX Otilde Ydieresis -50

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KPX P Abreve -74

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SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

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(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

dimensional graphics in XML.

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Revision: \$Id: svg11

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-

tiny-flat.dtd

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```
# Copyright (C) The Apache Software Foundation. All rights reserved.    #  
# This software is published under the terms of the Apache Software License #
```

Found in path(s):

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StartFontMetrics 4.1

Comment Copyright (c) 1985, 1987, 1989, 1990, 1993, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Thu May 1 12:49:17 1997

Comment UniqueID 43068

Comment VMusage 43909 54934

FontName Times-Roman

FullName Times Roman

FamilyName Times

Weight Roman

ItalicAngle 0

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -168 -218 1000 898

UnderlinePosition -100

UnderlineThickness 50

Version 002.000

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EncodingScheme AdobeStandardEncoding

CapHeight 662

XHeight 450

Ascender 683

Descender -217

StdHW 28

StdVW 84

StartCharMetrics 315

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C 33 ; WX 333 ; N exclam ; B 130 -9 238 676 ;

C 34 ; WX 408 ; N quotedbl ; B 77 431 331 676 ;

C 35 ; WX 500 ; N numbersign ; B 5 0 496 662 ;

C 36 ; WX 500 ; N dollar ; B 44 -87 457 727 ;

C 37 ; WX 833 ; N percent ; B 61 -13 772 676 ;

C 38 ; WX 778 ; N ampersand ; B 42 -13 750 676 ;

C 39 ; WX 333 ; N quoteright ; B 79 433 218 676 ;

C 40 ; WX 333 ; N parenleft ; B 48 -177 304 676 ;

C 41 ; WX 333 ; N parenright ; B 29 -177 285 676 ;

C 42 ; WX 500 ; N asterisk ; B 69 265 432 676 ;

C 43 ; WX 564 ; N plus ; B 30 0 534 506 ;

C 44 ; WX 250 ; N comma ; B 56 -141 195 102 ;

C 45 ; WX 333 ; N hyphen ; B 39 194 285 257 ;
C 46 ; WX 250 ; N period ; B 70 -11 181 100 ;
C 47 ; WX 278 ; N slash ; B -9 -14 287 676 ;
C 48 ; WX 500 ; N zero ; B 24 -14 476 676 ;
C 49 ; WX 500 ; N one ; B 111 0 394 676 ;
C 50 ; WX 500 ; N two ; B 30 0 475 676 ;
C 51 ; WX 500 ; N three ; B 43 -14 431 676 ;
C 52 ; WX 500 ; N four ; B 12 0 472 676 ;
C 53 ; WX 500 ; N five ; B 32 -14 438 688 ;
C 54 ; WX 500 ; N six ; B 34 -14 468 684 ;
C 55 ; WX 500 ; N seven ; B 20 -8 449 662 ;
C 56 ; WX 500 ; N eight ; B 56 -14 445 676 ;
C 57 ; WX 500 ; N nine ; B 30 -22 459 676 ;
C 58 ; WX 278 ; N colon ; B 81 -11 192 459 ;
C 59 ; WX 278 ; N semicolon ; B 80 -141 219 459 ;
C 60 ; WX 564 ; N less ; B 28 -8 536 514 ;
C 61 ; WX 564 ; N equal ; B 30 120 534 386 ;
C 62 ; WX 564 ; N greater ; B 28 -8 536 514 ;
C 63 ; WX 444 ; N question ; B 68 -8 414 676 ;
C 64 ; WX 921 ; N at ; B 116 -14 809 676 ;
C 65 ; WX 722 ; N A ; B 15 0 706 674 ;
C 66 ; WX 667 ; N B ; B 17 0 593 662 ;
C 67 ; WX 667 ; N C ; B 28 -14 633 676 ;
C 68 ; WX 722 ; N D ; B 16 0 685 662 ;
C 69 ; WX 611 ; N E ; B 12 0 597 662 ;
C 70 ; WX 556 ; N F ; B 12 0 546 662 ;
C 71 ; WX 722 ; N G ; B 32 -14 709 676 ;
C 72 ; WX 722 ; N H ; B 19 0 702 662 ;
C 73 ; WX 333 ; N I ; B 18 0 315 662 ;
C 74 ; WX 389 ; N J ; B 10 -14 370 662 ;
C 75 ; WX 722 ; N K ; B 34 0 723 662 ;
C 76 ; WX 611 ; N L ; B 12 0 598 662 ;
C 77 ; WX 889 ; N M ; B 12 0 863 662 ;
C 78 ; WX 722 ; N N ; B 12 -11 707 662 ;
C 79 ; WX 722 ; N O ; B 34 -14 688 676 ;
C 80 ; WX 556 ; N P ; B 16 0 542 662 ;
C 81 ; WX 722 ; N Q ; B 34 -178 701 676 ;
C 82 ; WX 667 ; N R ; B 17 0 659 662 ;
C 83 ; WX 556 ; N S ; B 42 -14 491 676 ;
C 84 ; WX 611 ; N T ; B 17 0 593 662 ;
C 85 ; WX 722 ; N U ; B 14 -14 705 662 ;
C 86 ; WX 722 ; N V ; B 16 -11 697 662 ;
C 87 ; WX 944 ; N W ; B 5 -11 932 662 ;
C 88 ; WX 722 ; N X ; B 10 0 704 662 ;
C 89 ; WX 722 ; N Y ; B 22 0 703 662 ;
C 90 ; WX 611 ; N Z ; B 9 0 597 662 ;
C 91 ; WX 333 ; N bracketleft ; B 88 -156 299 662 ;
C 92 ; WX 278 ; N backslash ; B -9 -14 287 676 ;

C 93 ; WX 333 ; N bracketright ; B 34 -156 245 662 ;
C 94 ; WX 469 ; N asciicircum ; B 24 297 446 662 ;
C 95 ; WX 500 ; N underscore ; B 0 -125 500 -75 ;
C 96 ; WX 333 ; N quoteleft ; B 115 433 254 676 ;
C 97 ; WX 444 ; N a ; B 37 -10 442 460 ;
C 98 ; WX 500 ; N b ; B 3 -10 468 683 ;
C 99 ; WX 444 ; N c ; B 25 -10 412 460 ;
C 100 ; WX 500 ; N d ; B 27 -10 491 683 ;
C 101 ; WX 444 ; N e ; B 25 -10 424 460 ;
C 102 ; WX 333 ; N f ; B 20 0 383 683 ; L i fi ; L l fl ;
C 103 ; WX 500 ; N g ; B 28 -218 470 460 ;
C 104 ; WX 500 ; N h ; B 9 0 487 683 ;
C 105 ; WX 278 ; N i ; B 16 0 253 683 ;
C 106 ; WX 278 ; N j ; B -70 -218 194 683 ;
C 107 ; WX 500 ; N k ; B 7 0 505 683 ;
C 108 ; WX 278 ; N l ; B 19 0 257 683 ;
C 109 ; WX 778 ; N m ; B 16 0 775 460 ;
C 110 ; WX 500 ; N n ; B 16 0 485 460 ;
C 111 ; WX 500 ; N o ; B 29 -10 470 460 ;
C 112 ; WX 500 ; N p ; B 5 -217 470 460 ;
C 113 ; WX 500 ; N q ; B 24 -217 488 460 ;
C 114 ; WX 333 ; N r ; B 5 0 335 460 ;
C 115 ; WX 389 ; N s ; B 51 -10 348 460 ;
C 116 ; WX 278 ; N t ; B 13 -10 279 579 ;
C 117 ; WX 500 ; N u ; B 9 -10 479 450 ;
C 118 ; WX 500 ; N v ; B 19 -14 477 450 ;
C 119 ; WX 722 ; N w ; B 21 -14 694 450 ;
C 120 ; WX 500 ; N x ; B 17 0 479 450 ;
C 121 ; WX 500 ; N y ; B 14 -218 475 450 ;
C 122 ; WX 444 ; N z ; B 27 0 418 450 ;
C 123 ; WX 480 ; N braceleft ; B 100 -181 350 680 ;
C 124 ; WX 200 ; N bar ; B 67 -218 133 782 ;
C 125 ; WX 480 ; N braceright ; B 130 -181 380 680 ;
C 126 ; WX 541 ; N asciitilde ; B 40 183 502 323 ;
C 161 ; WX 333 ; N exclamdown ; B 97 -218 205 467 ;
C 162 ; WX 500 ; N cent ; B 53 -138 448 579 ;
C 163 ; WX 500 ; N sterling ; B 12 -8 490 676 ;
C 164 ; WX 167 ; N fraction ; B -168 -14 331 676 ;
C 165 ; WX 500 ; N yen ; B -53 0 512 662 ;
C 166 ; WX 500 ; N florin ; B 7 -189 490 676 ;
C 167 ; WX 500 ; N section ; B 70 -148 426 676 ;
C 168 ; WX 500 ; N currency ; B -22 58 522 602 ;
C 169 ; WX 180 ; N quotesingle ; B 48 431 133 676 ;
C 170 ; WX 444 ; N quotedblleft ; B 43 433 414 676 ;
C 171 ; WX 500 ; N guillemotleft ; B 42 33 456 416 ;
C 172 ; WX 333 ; N guilsinglleft ; B 63 33 285 416 ;
C 173 ; WX 333 ; N guilsinglright ; B 48 33 270 416 ;
C 174 ; WX 556 ; N fi ; B 31 0 521 683 ;

C 175 ; WX 556 ; N fl ; B 32 0 521 683 ;
C 177 ; WX 500 ; N endash ; B 0 201 500 250 ;
C 178 ; WX 500 ; N dagger ; B 59 -149 442 676 ;
C 179 ; WX 500 ; N daggerdbl ; B 58 -153 442 676 ;
C 180 ; WX 250 ; N periodcentered ; B 70 199 181 310 ;
C 182 ; WX 453 ; N paragraph ; B -22 -154 450 662 ;
C 183 ; WX 350 ; N bullet ; B 40 196 310 466 ;
C 184 ; WX 333 ; N quotesinglbase ; B 79 -141 218 102 ;
C 185 ; WX 444 ; N quotedblbase ; B 45 -141 416 102 ;
C 186 ; WX 444 ; N quotedblright ; B 30 433 401 676 ;
C 187 ; WX 500 ; N guillemotright ; B 44 33 458 416 ;
C 188 ; WX 1000 ; N ellipsis ; B 111 -11 888 100 ;
C 189 ; WX 1000 ; N perthousand ; B 7 -19 994 706 ;
C 191 ; WX 444 ; N questiondown ; B 30 -218 376 466 ;
C 193 ; WX 333 ; N grave ; B 19 507 242 678 ;
C 194 ; WX 333 ; N acute ; B 93 507 317 678 ;
C 195 ; WX 333 ; N circumflex ; B 11 507 322 674 ;
C 196 ; WX 333 ; N tilde ; B 1 532 331 638 ;
C 197 ; WX 333 ; N macron ; B 11 547 322 601 ;
C 198 ; WX 333 ; N breve ; B 26 507 307 664 ;
C 199 ; WX 333 ; N dotaccent ; B 118 581 216 681 ;
C 200 ; WX 333 ; N dieresis ; B 18 581 315 681 ;
C 202 ; WX 333 ; N ring ; B 67 512 266 711 ;
C 203 ; WX 333 ; N cedilla ; B 52 -215 261 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B -3 507 377 678 ;
C 206 ; WX 333 ; N ogonek ; B 62 -165 243 0 ;
C 207 ; WX 333 ; N caron ; B 11 507 322 674 ;
C 208 ; WX 1000 ; N emdash ; B 0 201 1000 250 ;
C 225 ; WX 889 ; N AE ; B 0 0 863 662 ;
C 227 ; WX 276 ; N ordfeminine ; B 4 394 270 676 ;
C 232 ; WX 611 ; N Lslash ; B 12 0 598 662 ;
C 233 ; WX 722 ; N Oslash ; B 34 -80 688 734 ;
C 234 ; WX 889 ; N OE ; B 30 -6 885 668 ;
C 235 ; WX 310 ; N ordmasculine ; B 6 394 304 676 ;
C 241 ; WX 667 ; N ae ; B 38 -10 632 460 ;
C 245 ; WX 278 ; N dotlessi ; B 16 0 253 460 ;
C 248 ; WX 278 ; N lslash ; B 19 0 259 683 ;
C 249 ; WX 500 ; N oslash ; B 29 -112 470 551 ;
C 250 ; WX 722 ; N oe ; B 30 -10 690 460 ;
C 251 ; WX 500 ; N germandbls ; B 12 -9 468 683 ;
C -1 ; WX 333 ; N Idieresis ; B 18 0 315 835 ;
C -1 ; WX 444 ; N eacute ; B 25 -10 424 678 ;
C -1 ; WX 444 ; N abreve ; B 37 -10 442 664 ;
C -1 ; WX 500 ; N uhungarumlaut ; B 9 -10 501 678 ;
C -1 ; WX 444 ; N ecaron ; B 25 -10 424 674 ;
C -1 ; WX 722 ; N Ydieresis ; B 22 0 703 835 ;
C -1 ; WX 564 ; N divide ; B 30 -10 534 516 ;
C -1 ; WX 722 ; N Yacute ; B 22 0 703 890 ;

C -1 ; WX 722 ; N Acircumflex ; B 15 0 706 886 ;
C -1 ; WX 444 ; N acute ; B 37 -10 442 678 ;
C -1 ; WX 722 ; N Ucircumflex ; B 14 -14 705 886 ;
C -1 ; WX 500 ; N yacute ; B 14 -218 475 678 ;
C -1 ; WX 389 ; N scommaaccent ; B 51 -218 348 460 ;
C -1 ; WX 444 ; N ecircumflex ; B 25 -10 424 674 ;
C -1 ; WX 722 ; N Uring ; B 14 -14 705 898 ;
C -1 ; WX 722 ; N Udieresis ; B 14 -14 705 835 ;
C -1 ; WX 444 ; N aogonek ; B 37 -165 469 460 ;
C -1 ; WX 722 ; N Uacute ; B 14 -14 705 890 ;
C -1 ; WX 500 ; N uogonek ; B 9 -155 487 450 ;
C -1 ; WX 611 ; N Edieresis ; B 12 0 597 835 ;
C -1 ; WX 722 ; N Dcroat ; B 16 0 685 662 ;
C -1 ; WX 250 ; N commaaccent ; B 59 -218 184 -50 ;
C -1 ; WX 760 ; N copyright ; B 38 -14 722 676 ;
C -1 ; WX 611 ; N Emacron ; B 12 0 597 813 ;
C -1 ; WX 444 ; N ccaron ; B 25 -10 412 674 ;
C -1 ; WX 444 ; N aring ; B 37 -10 442 711 ;
C -1 ; WX 722 ; N Ncommaaccent ; B 12 -198 707 662 ;
C -1 ; WX 278 ; N lacute ; B 19 0 290 890 ;
C -1 ; WX 444 ; N agrave ; B 37 -10 442 678 ;
C -1 ; WX 611 ; N Tcommaaccent ; B 17 -218 593 662 ;
C -1 ; WX 667 ; N Cacute ; B 28 -14 633 890 ;
C -1 ; WX 444 ; N atilde ; B 37 -10 442 638 ;
C -1 ; WX 611 ; N Edotaccent ; B 12 0 597 835 ;
C -1 ; WX 389 ; N scaron ; B 39 -10 350 674 ;
C -1 ; WX 389 ; N scedilla ; B 51 -215 348 460 ;
C -1 ; WX 278 ; N iacute ; B 16 0 290 678 ;
C -1 ; WX 471 ; N lozenge ; B 13 0 459 724 ;
C -1 ; WX 667 ; N Rcaron ; B 17 0 659 886 ;
C -1 ; WX 722 ; N Gcommaaccent ; B 32 -218 709 676 ;
C -1 ; WX 500 ; N ucircumflex ; B 9 -10 479 674 ;
C -1 ; WX 444 ; N acircumflex ; B 37 -10 442 674 ;
C -1 ; WX 722 ; N Amacron ; B 15 0 706 813 ;
C -1 ; WX 333 ; N rcaron ; B 5 0 335 674 ;
C -1 ; WX 444 ; N ccedilla ; B 25 -215 412 460 ;
C -1 ; WX 611 ; N Zdotaccent ; B 9 0 597 835 ;
C -1 ; WX 556 ; N Thorn ; B 16 0 542 662 ;
C -1 ; WX 722 ; N Omacron ; B 34 -14 688 813 ;
C -1 ; WX 667 ; N Racute ; B 17 0 659 890 ;
C -1 ; WX 556 ; N Sacute ; B 42 -14 491 890 ;
C -1 ; WX 588 ; N dcaron ; B 27 -10 589 695 ;
C -1 ; WX 722 ; N Umacron ; B 14 -14 705 813 ;
C -1 ; WX 500 ; N uring ; B 9 -10 479 711 ;
C -1 ; WX 300 ; N threesuperior ; B 15 262 291 676 ;
C -1 ; WX 722 ; N Ograve ; B 34 -14 688 890 ;
C -1 ; WX 722 ; N Agrave ; B 15 0 706 890 ;
C -1 ; WX 722 ; N Abreve ; B 15 0 706 876 ;

C -1 ; WX 564 ; N multiply ; B 38 8 527 497 ;
C -1 ; WX 500 ; N uacute ; B 9 -10 479 678 ;
C -1 ; WX 611 ; N Tcaron ; B 17 0 593 886 ;
C -1 ; WX 476 ; N partialdiff ; B 17 -38 459 710 ;
C -1 ; WX 500 ; N ydieresis ; B 14 -218 475 623 ;
C -1 ; WX 722 ; N Nacute ; B 12 -11 707 890 ;
C -1 ; WX 278 ; N icircumflex ; B -16 0 295 674 ;
C -1 ; WX 611 ; N Ecircumflex ; B 12 0 597 886 ;
C -1 ; WX 444 ; N adieresis ; B 37 -10 442 623 ;
C -1 ; WX 444 ; N edieresis ; B 25 -10 424 623 ;
C -1 ; WX 444 ; N cacute ; B 25 -10 413 678 ;
C -1 ; WX 500 ; N nacute ; B 16 0 485 678 ;
C -1 ; WX 500 ; N umacron ; B 9 -10 479 601 ;
C -1 ; WX 722 ; N Ncaron ; B 12 -11 707 886 ;
C -1 ; WX 333 ; N Iacute ; B 18 0 317 890 ;
C -1 ; WX 564 ; N plusminus ; B 30 0 534 506 ;
C -1 ; WX 200 ; N brokenbar ; B 67 -143 133 707 ;
C -1 ; WX 760 ; N registered ; B 38 -14 722 676 ;
C -1 ; WX 722 ; N Gbreve ; B 32 -14 709 876 ;
C -1 ; WX 333 ; N Idotaccent ; B 18 0 315 835 ;
C -1 ; WX 600 ; N summation ; B 15 -10 585 706 ;
C -1 ; WX 611 ; N Egrave ; B 12 0 597 890 ;
C -1 ; WX 333 ; N racute ; B 5 0 335 678 ;
C -1 ; WX 500 ; N omacron ; B 29 -10 470 601 ;
C -1 ; WX 611 ; N Zacute ; B 9 0 597 890 ;
C -1 ; WX 611 ; N Zcaron ; B 9 0 597 886 ;
C -1 ; WX 549 ; N greaterequal ; B 26 0 523 666 ;
C -1 ; WX 722 ; N Eth ; B 16 0 685 662 ;
C -1 ; WX 667 ; N Ccedilla ; B 28 -215 633 676 ;
C -1 ; WX 278 ; N lcommaaccent ; B 19 -218 257 683 ;
C -1 ; WX 326 ; N tcaron ; B 13 -10 318 722 ;
C -1 ; WX 444 ; N eogonek ; B 25 -165 424 460 ;
C -1 ; WX 722 ; N Uogonek ; B 14 -165 705 662 ;
C -1 ; WX 722 ; N Aacute ; B 15 0 706 890 ;
C -1 ; WX 722 ; N Adieresis ; B 15 0 706 835 ;
C -1 ; WX 444 ; N egrave ; B 25 -10 424 678 ;
C -1 ; WX 444 ; N zacute ; B 27 0 418 678 ;
C -1 ; WX 278 ; N iogonek ; B 16 -165 265 683 ;
C -1 ; WX 722 ; N Oacute ; B 34 -14 688 890 ;
C -1 ; WX 500 ; N oacute ; B 29 -10 470 678 ;
C -1 ; WX 444 ; N amacron ; B 37 -10 442 601 ;
C -1 ; WX 389 ; N sacute ; B 51 -10 348 678 ;
C -1 ; WX 278 ; N idieresis ; B -9 0 288 623 ;
C -1 ; WX 722 ; N Ocircumflex ; B 34 -14 688 886 ;
C -1 ; WX 722 ; N Ugrave ; B 14 -14 705 890 ;
C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 500 ; N thorn ; B 5 -217 470 683 ;
C -1 ; WX 300 ; N twosuperior ; B 1 270 296 676 ;

C -1 ; WX 722 ; N Odieresis ; B 34 -14 688 835 ;
C -1 ; WX 500 ; N mu ; B 36 -218 512 450 ;
C -1 ; WX 278 ; N igrave ; B -8 0 253 678 ;
C -1 ; WX 500 ; N ohungarumlaut ; B 29 -10 491 678 ;
C -1 ; WX 611 ; N Eogonek ; B 12 -165 597 662 ;
C -1 ; WX 500 ; N dcroat ; B 27 -10 500 683 ;
C -1 ; WX 750 ; N threequarters ; B 15 -14 718 676 ;
C -1 ; WX 556 ; N Scedilla ; B 42 -215 491 676 ;
C -1 ; WX 344 ; N lcaron ; B 19 0 347 695 ;
C -1 ; WX 722 ; N Kcommaaccent ; B 34 -198 723 662 ;
C -1 ; WX 611 ; N Lacute ; B 12 0 598 890 ;
C -1 ; WX 980 ; N trademark ; B 30 256 957 662 ;
C -1 ; WX 444 ; N edotaccent ; B 25 -10 424 623 ;
C -1 ; WX 333 ; N Igrave ; B 18 0 315 890 ;
C -1 ; WX 333 ; N Imacron ; B 11 0 322 813 ;
C -1 ; WX 611 ; N Lcaron ; B 12 0 598 676 ;
C -1 ; WX 750 ; N onehalf ; B 31 -14 746 676 ;
C -1 ; WX 549 ; N lessequal ; B 26 0 523 666 ;
C -1 ; WX 500 ; N ocircumflex ; B 29 -10 470 674 ;
C -1 ; WX 500 ; N ntilde ; B 16 0 485 638 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 14 -14 705 890 ;
C -1 ; WX 611 ; N Eacute ; B 12 0 597 890 ;
C -1 ; WX 444 ; N emacron ; B 25 -10 424 601 ;
C -1 ; WX 500 ; N gbreve ; B 28 -218 470 664 ;
C -1 ; WX 750 ; N onequarter ; B 37 -14 718 676 ;
C -1 ; WX 556 ; N Scaron ; B 42 -14 491 886 ;
C -1 ; WX 556 ; N Scommaaccent ; B 42 -218 491 676 ;
C -1 ; WX 722 ; N Ohungarumlaut ; B 34 -14 688 890 ;
C -1 ; WX 400 ; N degree ; B 57 390 343 676 ;
C -1 ; WX 500 ; N ograve ; B 29 -10 470 678 ;
C -1 ; WX 667 ; N Ccaron ; B 28 -14 633 886 ;
C -1 ; WX 500 ; N ugrave ; B 9 -10 479 678 ;
C -1 ; WX 453 ; N radical ; B 2 -60 452 768 ;
C -1 ; WX 722 ; N Dcaron ; B 16 0 685 886 ;
C -1 ; WX 333 ; N rcommaaccent ; B 5 -218 335 460 ;
C -1 ; WX 722 ; N Ntilde ; B 12 -11 707 850 ;
C -1 ; WX 500 ; N otilde ; B 29 -10 470 638 ;
C -1 ; WX 667 ; N Rcommaaccent ; B 17 -198 659 662 ;
C -1 ; WX 611 ; N Lcommaaccent ; B 12 -218 598 662 ;
C -1 ; WX 722 ; N Atilde ; B 15 0 706 850 ;
C -1 ; WX 722 ; N Aogonek ; B 15 -165 738 674 ;
C -1 ; WX 722 ; N Aring ; B 15 0 706 898 ;
C -1 ; WX 722 ; N Otilde ; B 34 -14 688 850 ;
C -1 ; WX 444 ; N zdotaccent ; B 27 0 418 623 ;
C -1 ; WX 611 ; N Ecaron ; B 12 0 597 886 ;
C -1 ; WX 333 ; N Iogonek ; B 18 -165 315 662 ;
C -1 ; WX 500 ; N kcommaaccent ; B 7 -218 505 683 ;
C -1 ; WX 564 ; N minus ; B 30 220 534 286 ;

C -1 ; WX 333 ; N Icircumflex ; B 11 0 322 886 ;
C -1 ; WX 500 ; N ncaron ; B 16 0 485 674 ;
C -1 ; WX 278 ; N tcommaaccent ; B 13 -218 279 579 ;
C -1 ; WX 564 ; N logicalnot ; B 30 108 534 386 ;
C -1 ; WX 500 ; N odieresis ; B 29 -10 470 623 ;
C -1 ; WX 500 ; N udieresis ; B 9 -10 479 623 ;
C -1 ; WX 549 ; N notequal ; B 12 -31 537 547 ;
C -1 ; WX 500 ; N gcommaaccent ; B 28 -218 470 749 ;
C -1 ; WX 500 ; N eth ; B 29 -10 471 686 ;
C -1 ; WX 444 ; N zcaron ; B 27 0 418 674 ;
C -1 ; WX 500 ; N ncommaaccent ; B 16 -218 485 460 ;
C -1 ; WX 300 ; N onesuperior ; B 57 270 248 676 ;
C -1 ; WX 278 ; N imacron ; B 6 0 271 601 ;
C -1 ; WX 500 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

StartKernData

StartKernPairs 2073

KPX A C -40

KPX A Cacute -40

KPX A Ccaron -40

KPX A Ccedilla -40

KPX A G -40

KPX A Gbreve -40

KPX A Gcommaaccent -40

KPX A O -55

KPX A Oacute -55

KPX A Ocircumflex -55

KPX A Odieresis -55

KPX A Ograve -55

KPX A Ohungarumlaut -55

KPX A Omacron -55

KPX A Oslash -55

KPX A Otilde -55

KPX A Q -55

KPX A T -111

KPX A Tcaron -111

KPX A Tcommaaccent -111

KPX A U -55

KPX A Uacute -55

KPX A Ucircumflex -55

KPX A Udieresis -55

KPX A Ugrave -55

KPX A Uhungarumlaut -55

KPX A Umacron -55

KPX A Uogonek -55

KPX A Uring -55

KPX A V -135

KPX A W -90

KPX A Y -105
KPX A Yacute -105
KPX A Ydieresis -105
KPX A quoteright -111
KPX A v -74
KPX A w -92
KPX A y -92
KPX A yacute -92
KPX A ydieresis -92
KPX Aacute C -40
KPX Aacute Cacute -40
KPX Aacute Ccaron -40
KPX Aacute Ccedilla -40
KPX Aacute G -40
KPX Aacute Gbreve -40
KPX Aacute Gcommaaccent -40
KPX Aacute O -55
KPX Aacute Oacute -55
KPX Aacute Ocircumflex -55
KPX Aacute Odieresis -55
KPX Aacute Ograve -55
KPX Aacute Ohungarumlaut -55
KPX Aacute Omacron -55
KPX Aacute Oslash -55
KPX Aacute Otilde -55
KPX Aacute Q -55
KPX Aacute T -111
KPX Aacute Tcaron -111
KPX Aacute Tcommaaccent -111
KPX Aacute U -55
KPX Aacute Uacute -55
KPX Aacute Ucircumflex -55
KPX Aacute Udieresis -55
KPX Aacute Ugrave -55
KPX Aacute Uhungarumlaut -55
KPX Aacute Umacron -55
KPX Aacute Uogonek -55
KPX Aacute Uring -55
KPX Aacute V -135
KPX Aacute W -90
KPX Aacute Y -105
KPX Aacute Yacute -105
KPX Aacute Ydieresis -105
KPX Aacute quoteright -111
KPX Aacute v -74
KPX Aacute w -92
KPX Aacute y -92
KPX Aacute yacute -92

KPX Aacute ydieresis -92
KPX Abreve C -40
KPX Abreve Cacute -40
KPX Abreve Ccaron -40
KPX Abreve Ccedilla -40
KPX Abreve G -40
KPX Abreve Gbreve -40
KPX Abreve Gcommaaccent -40
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KPX Abreve Oacute -55
KPX Abreve Ocircumflex -55
KPX Abreve Odieresis -55
KPX Abreve Ograve -55
KPX Abreve Ohungarumlaut -55
KPX Abreve Omacron -55
KPX Abreve Oslash -55
KPX Abreve Otilde -55
KPX Abreve Q -55
KPX Abreve T -111
KPX Abreve Tcaron -111
KPX Abreve Tcommaaccent -111
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KPX Abreve Ucircumflex -55
KPX Abreve Udieresis -55
KPX Abreve Ugrave -55
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KPX Abreve Umacron -55
KPX Abreve Uogonek -55
KPX Abreve Uring -55
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KPX Abreve W -90
KPX Abreve Y -105
KPX Abreve Yacute -105
KPX Abreve Ydieresis -105
KPX Abreve quoteright -111
KPX Abreve v -74
KPX Abreve w -92
KPX Abreve y -92
KPX Abreve yacute -92
KPX Abreve ydieresis -92
KPX Acircumflex C -40
KPX Acircumflex Cacute -40
KPX Acircumflex Ccaron -40
KPX Acircumflex Ccedilla -40
KPX Acircumflex G -40
KPX Acircumflex Gbreve -40
KPX Acircumflex Gcommaaccent -40

KPX Acircumflex O -55
KPX Acircumflex Oacute -55
KPX Acircumflex Ocircumflex -55
KPX Acircumflex Odieresis -55
KPX Acircumflex Ograve -55
KPX Acircumflex Ohungarumlaut -55
KPX Acircumflex Omacron -55
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KPX ydieresis comma -65
KPX ydieresis period -65
EndKernPairs
EndKernData
EndFontMetrics

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-Roman.afm
No license file was found, but licenses were detected in source scan.

```
#####  
# Copyright (C) The Apache Software Foundation. All rights reserved. #  
# ----- #  
# This software is published under the terms of the Apache Software License #  
# version 1.1, a copy of which has been included with this distribution in #  
# the LICENSE file. #  
#####
```

```
# This file registers the example Bridge extension as a service for the  
# Bridge context.  
# org.apache.batik.apps.svgbrowser.XMLInputHandler
```

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-

INF/services/org.apache.batik.apps.svgbrowser.SquiggleInputHandler

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

StartFontMetrics 4.1

Comment Copyright (c) 1989, 1990, 1991, 1993, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Mon Jun 23 16:28:00 1997

Comment UniqueID 43048

Comment VMusage 41139 52164

FontName Courier-Bold

FullName Courier Bold

FamilyName Courier

Weight Bold

ItalicAngle 0

IsFixedPitch true

CharacterSet ExtendedRoman

FontBBox -113 -250 749 801

UnderlinePosition -100

UnderlineThickness 50

Version 003.000

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EncodingScheme AdobeStandardEncoding

CapHeight 562

XHeight 439

Ascender 629

Descender -157

StdHW 84

StdVW 106

StartCharMetrics 315

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C 33 ; WX 600 ; N exclam ; B 202 -15 398 572 ;

C 34 ; WX 600 ; N quotedbl ; B 135 277 465 562 ;

C 35 ; WX 600 ; N numbersign ; B 56 -45 544 651 ;

C 36 ; WX 600 ; N dollar ; B 82 -126 519 666 ;

C 37 ; WX 600 ; N percent ; B 5 -15 595 616 ;

C 38 ; WX 600 ; N ampersand ; B 36 -15 546 543 ;

C 39 ; WX 600 ; N quoteright ; B 171 277 423 562 ;

C 40 ; WX 600 ; N parenleft ; B 219 -102 461 616 ;

C 41 ; WX 600 ; N parenright ; B 139 -102 381 616 ;

C 42 ; WX 600 ; N asterisk ; B 91 219 509 601 ;

C 43 ; WX 600 ; N plus ; B 71 39 529 478 ;

C 44 ; WX 600 ; N comma ; B 123 -111 393 174 ;

C 45 ; WX 600 ; N hyphen ; B 100 203 500 313 ;

C 46 ; WX 600 ; N period ; B 192 -15 408 171 ;

C 47 ; WX 600 ; N slash ; B 98 -77 502 626 ;

C 48 ; WX 600 ; N zero ; B 87 -15 513 616 ;

C 49 ; WX 600 ; N one ; B 81 0 539 616 ;

C 50 ; WX 600 ; N two ; B 61 0 499 616 ;

C 51 ; WX 600 ; N three ; B 63 -15 501 616 ;

C 52 ; WX 600 ; N four ; B 53 0 507 616 ;
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C 54 ; WX 600 ; N six ; B 90 -15 521 616 ;
C 55 ; WX 600 ; N seven ; B 55 0 494 601 ;
C 56 ; WX 600 ; N eight ; B 83 -15 517 616 ;
C 57 ; WX 600 ; N nine ; B 79 -15 510 616 ;
C 58 ; WX 600 ; N colon ; B 191 -15 407 425 ;
C 59 ; WX 600 ; N semicolon ; B 123 -111 408 425 ;
C 60 ; WX 600 ; N less ; B 66 15 523 501 ;
C 61 ; WX 600 ; N equal ; B 71 118 529 398 ;
C 62 ; WX 600 ; N greater ; B 77 15 534 501 ;
C 63 ; WX 600 ; N question ; B 98 -14 501 580 ;
C 64 ; WX 600 ; N at ; B 16 -15 584 616 ;
C 65 ; WX 600 ; N A ; B -9 0 609 562 ;
C 66 ; WX 600 ; N B ; B 30 0 573 562 ;
C 67 ; WX 600 ; N C ; B 22 -18 560 580 ;
C 68 ; WX 600 ; N D ; B 30 0 594 562 ;
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C 89 ; WX 600 ; N Y ; B 12 0 589 562 ;
C 90 ; WX 600 ; N Z ; B 62 0 539 562 ;
C 91 ; WX 600 ; N bracketleft ; B 245 -102 475 616 ;
C 92 ; WX 600 ; N backslash ; B 99 -77 503 626 ;
C 93 ; WX 600 ; N bracketright ; B 125 -102 355 616 ;
C 94 ; WX 600 ; N asciicircum ; B 108 250 492 616 ;
C 95 ; WX 600 ; N underscore ; B 0 -125 600 -75 ;
C 96 ; WX 600 ; N quoteleft ; B 178 277 428 562 ;
C 97 ; WX 600 ; N a ; B 35 -15 570 454 ;
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C 113 ; WX 600 ; N q ; B 20 -142 591 454 ;
C 114 ; WX 600 ; N r ; B 47 0 580 454 ;
C 115 ; WX 600 ; N s ; B 68 -17 535 459 ;
C 116 ; WX 600 ; N t ; B 47 -15 532 562 ;
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C 119 ; WX 600 ; N w ; B -18 0 618 439 ;
C 120 ; WX 600 ; N x ; B 6 0 594 439 ;
C 121 ; WX 600 ; N y ; B -4 -142 601 439 ;
C 122 ; WX 600 ; N z ; B 81 0 520 439 ;
C 123 ; WX 600 ; N braceleft ; B 160 -102 464 616 ;
C 124 ; WX 600 ; N bar ; B 255 -250 345 750 ;
C 125 ; WX 600 ; N braceright ; B 136 -102 440 616 ;
C 126 ; WX 600 ; N asciitilde ; B 71 153 530 356 ;
C 161 ; WX 600 ; N exclamdown ; B 202 -146 398 449 ;
C 162 ; WX 600 ; N cent ; B 66 -49 518 614 ;
C 163 ; WX 600 ; N sterling ; B 72 -28 558 611 ;
C 164 ; WX 600 ; N fraction ; B 25 -60 576 661 ;
C 165 ; WX 600 ; N yen ; B 10 0 590 562 ;
C 166 ; WX 600 ; N florin ; B -30 -131 572 616 ;
C 167 ; WX 600 ; N section ; B 83 -70 517 580 ;
C 168 ; WX 600 ; N currency ; B 54 49 546 517 ;
C 169 ; WX 600 ; N quotesingle ; B 227 277 373 562 ;
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C 171 ; WX 600 ; N guillemotleft ; B 8 70 553 446 ;
C 172 ; WX 600 ; N guilsinglleft ; B 141 70 459 446 ;
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C 174 ; WX 600 ; N fi ; B 12 0 593 626 ;
C 175 ; WX 600 ; N fl ; B 12 0 593 626 ;
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C 178 ; WX 600 ; N dagger ; B 106 -70 494 580 ;
C 179 ; WX 600 ; N daggerdbl ; B 106 -70 494 580 ;
C 180 ; WX 600 ; N periodcentered ; B 196 165 404 351 ;
C 182 ; WX 600 ; N paragraph ; B 6 -70 576 580 ;
C 183 ; WX 600 ; N bullet ; B 140 132 460 430 ;

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C 187 ; WX 600 ; N guillemotright ; B 47 70 592 446 ;
C 188 ; WX 600 ; N ellipsis ; B 26 -15 574 116 ;
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C 194 ; WX 600 ; N acute ; B 205 508 468 661 ;
C 195 ; WX 600 ; N circumflex ; B 103 483 497 657 ;
C 196 ; WX 600 ; N tilde ; B 89 493 512 636 ;
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C -1 ; WX 600 ; N eacute ; B 40 -15 563 661 ;
C -1 ; WX 600 ; N abreve ; B 35 -15 570 661 ;
C -1 ; WX 600 ; N uhungarumlaut ; B -1 -15 628 661 ;
C -1 ; WX 600 ; N ecaron ; B 40 -15 563 667 ;
C -1 ; WX 600 ; N Ydieresis ; B 12 0 589 761 ;
C -1 ; WX 600 ; N divide ; B 71 16 529 500 ;
C -1 ; WX 600 ; N Yacute ; B 12 0 589 784 ;
C -1 ; WX 600 ; N Acircumflex ; B -9 0 609 780 ;
C -1 ; WX 600 ; N aacute ; B 35 -15 570 661 ;
C -1 ; WX 600 ; N Ucircumflex ; B 4 -18 596 780 ;
C -1 ; WX 600 ; N yacute ; B -4 -142 601 661 ;
C -1 ; WX 600 ; N scommaaccent ; B 68 -250 535 459 ;
C -1 ; WX 600 ; N ecircumflex ; B 40 -15 563 657 ;
C -1 ; WX 600 ; N Uring ; B 4 -18 596 801 ;

C -1 ; WX 600 ; N Udieresis ; B 4 -18 596 761 ;
C -1 ; WX 600 ; N aogonek ; B 35 -199 586 454 ;
C -1 ; WX 600 ; N Uacute ; B 4 -18 596 784 ;
C -1 ; WX 600 ; N uogonek ; B -1 -199 585 439 ;
C -1 ; WX 600 ; N Edieresis ; B 25 0 560 761 ;
C -1 ; WX 600 ; N Dcroat ; B 30 0 594 562 ;
C -1 ; WX 600 ; N commaaccent ; B 205 -250 397 -57 ;
C -1 ; WX 600 ; N copyright ; B 0 -18 600 580 ;
C -1 ; WX 600 ; N Emacron ; B 25 0 560 708 ;
C -1 ; WX 600 ; N ccaron ; B 40 -15 545 667 ;
C -1 ; WX 600 ; N aring ; B 35 -15 570 678 ;
C -1 ; WX 600 ; N Ncommaaccent ; B 8 -250 610 562 ;
C -1 ; WX 600 ; N lacute ; B 77 0 523 801 ;
C -1 ; WX 600 ; N agrave ; B 35 -15 570 661 ;
C -1 ; WX 600 ; N Tcommaaccent ; B 21 -250 579 562 ;
C -1 ; WX 600 ; N Cacute ; B 22 -18 560 784 ;
C -1 ; WX 600 ; N atilde ; B 35 -15 570 636 ;
C -1 ; WX 600 ; N Edotaccent ; B 25 0 560 761 ;
C -1 ; WX 600 ; N scaron ; B 68 -17 535 667 ;
C -1 ; WX 600 ; N scedilla ; B 68 -206 535 459 ;
C -1 ; WX 600 ; N iacute ; B 77 0 523 661 ;
C -1 ; WX 600 ; N lozenge ; B 66 0 534 740 ;
C -1 ; WX 600 ; N Rcaron ; B 24 0 599 790 ;
C -1 ; WX 600 ; N Gcommaaccent ; B 22 -250 594 580 ;
C -1 ; WX 600 ; N ucircumflex ; B -1 -15 569 657 ;
C -1 ; WX 600 ; N acircumflex ; B 35 -15 570 657 ;
C -1 ; WX 600 ; N Amacron ; B -9 0 609 708 ;
C -1 ; WX 600 ; N rcaron ; B 47 0 580 667 ;
C -1 ; WX 600 ; N ccedilla ; B 40 -206 545 459 ;
C -1 ; WX 600 ; N Zdotaccent ; B 62 0 539 761 ;
C -1 ; WX 600 ; N Thorn ; B 48 0 557 562 ;
C -1 ; WX 600 ; N Omacron ; B 22 -18 578 708 ;
C -1 ; WX 600 ; N Racute ; B 24 0 599 784 ;
C -1 ; WX 600 ; N Sacute ; B 47 -22 553 784 ;
C -1 ; WX 600 ; N dcaron ; B 20 -15 727 626 ;
C -1 ; WX 600 ; N Umacron ; B 4 -18 596 708 ;
C -1 ; WX 600 ; N uring ; B -1 -15 569 678 ;
C -1 ; WX 600 ; N threesuperior ; B 138 222 433 616 ;
C -1 ; WX 600 ; N Ograve ; B 22 -18 578 784 ;
C -1 ; WX 600 ; N Agrave ; B -9 0 609 784 ;
C -1 ; WX 600 ; N Abreve ; B -9 0 609 784 ;
C -1 ; WX 600 ; N multiply ; B 81 39 520 478 ;
C -1 ; WX 600 ; N uacute ; B -1 -15 569 661 ;
C -1 ; WX 600 ; N Tcaron ; B 21 0 579 790 ;
C -1 ; WX 600 ; N partialdiff ; B 63 -38 537 728 ;
C -1 ; WX 600 ; N ydieresis ; B -4 -142 601 638 ;
C -1 ; WX 600 ; N Nacute ; B 8 -12 610 784 ;
C -1 ; WX 600 ; N icircumflex ; B 73 0 523 657 ;

C -1 ; WX 600 ; N Ecircumflex ; B 25 0 560 780 ;
C -1 ; WX 600 ; N adieresis ; B 35 -15 570 638 ;
C -1 ; WX 600 ; N edieresis ; B 40 -15 563 638 ;
C -1 ; WX 600 ; N cacute ; B 40 -15 545 661 ;
C -1 ; WX 600 ; N nacute ; B 18 0 592 661 ;
C -1 ; WX 600 ; N umacron ; B -1 -15 569 585 ;
C -1 ; WX 600 ; N Ncaron ; B 8 -12 610 790 ;
C -1 ; WX 600 ; N Iacute ; B 77 0 523 784 ;
C -1 ; WX 600 ; N plusminus ; B 71 24 529 515 ;
C -1 ; WX 600 ; N brokenbar ; B 255 -175 345 675 ;
C -1 ; WX 600 ; N registered ; B 0 -18 600 580 ;
C -1 ; WX 600 ; N Gbreve ; B 22 -18 594 784 ;
C -1 ; WX 600 ; N Idotaccent ; B 77 0 523 761 ;
C -1 ; WX 600 ; N summation ; B 15 -10 586 706 ;
C -1 ; WX 600 ; N Egrave ; B 25 0 560 784 ;
C -1 ; WX 600 ; N racute ; B 47 0 580 661 ;
C -1 ; WX 600 ; N omacron ; B 30 -15 570 585 ;
C -1 ; WX 600 ; N Zacute ; B 62 0 539 784 ;
C -1 ; WX 600 ; N Zcaron ; B 62 0 539 790 ;
C -1 ; WX 600 ; N greaterequal ; B 26 0 523 696 ;
C -1 ; WX 600 ; N Eth ; B 30 0 594 562 ;
C -1 ; WX 600 ; N Ccedilla ; B 22 -206 560 580 ;
C -1 ; WX 600 ; N lcommaaccent ; B 77 -250 523 626 ;
C -1 ; WX 600 ; N tcaron ; B 47 -15 532 703 ;
C -1 ; WX 600 ; N eogonek ; B 40 -199 563 454 ;
C -1 ; WX 600 ; N Uogonek ; B 4 -199 596 562 ;
C -1 ; WX 600 ; N Aacute ; B -9 0 609 784 ;
C -1 ; WX 600 ; N Adieresis ; B -9 0 609 761 ;
C -1 ; WX 600 ; N egrave ; B 40 -15 563 661 ;
C -1 ; WX 600 ; N zacute ; B 81 0 520 661 ;
C -1 ; WX 600 ; N iogonek ; B 77 -199 523 658 ;
C -1 ; WX 600 ; N Oacute ; B 22 -18 578 784 ;
C -1 ; WX 600 ; N oacute ; B 30 -15 570 661 ;
C -1 ; WX 600 ; N amacron ; B 35 -15 570 585 ;
C -1 ; WX 600 ; N sacute ; B 68 -17 535 661 ;
C -1 ; WX 600 ; N idieresis ; B 77 0 523 618 ;
C -1 ; WX 600 ; N Ocircumflex ; B 22 -18 578 780 ;
C -1 ; WX 600 ; N Ugrave ; B 4 -18 596 784 ;
C -1 ; WX 600 ; N Delta ; B 6 0 594 688 ;
C -1 ; WX 600 ; N thorn ; B -14 -142 570 626 ;
C -1 ; WX 600 ; N twosuperior ; B 143 230 436 616 ;
C -1 ; WX 600 ; N Odieresis ; B 22 -18 578 761 ;
C -1 ; WX 600 ; N mu ; B -1 -142 569 439 ;
C -1 ; WX 600 ; N igrave ; B 77 0 523 661 ;
C -1 ; WX 600 ; N ohungarumlaut ; B 30 -15 668 661 ;
C -1 ; WX 600 ; N Eogonek ; B 25 -199 576 562 ;
C -1 ; WX 600 ; N dcroat ; B 20 -15 591 626 ;
C -1 ; WX 600 ; N threequarters ; B -47 -60 648 661 ;

C -1 ; WX 600 ; N Scedilla ; B 47 -206 553 582 ;
C -1 ; WX 600 ; N lcaron ; B 77 0 597 626 ;
C -1 ; WX 600 ; N Kcommaaccent ; B 21 -250 599 562 ;
C -1 ; WX 600 ; N Lacute ; B 39 0 578 784 ;
C -1 ; WX 600 ; N trademark ; B -9 230 749 562 ;
C -1 ; WX 600 ; N edotaccent ; B 40 -15 563 638 ;
C -1 ; WX 600 ; N Igrave ; B 77 0 523 784 ;
C -1 ; WX 600 ; N Imacron ; B 77 0 523 708 ;
C -1 ; WX 600 ; N Lcaron ; B 39 0 637 562 ;
C -1 ; WX 600 ; N onehalf ; B -47 -60 648 661 ;
C -1 ; WX 600 ; N lessequal ; B 26 0 523 696 ;
C -1 ; WX 600 ; N ocircumflex ; B 30 -15 570 657 ;
C -1 ; WX 600 ; N ntilde ; B 18 0 592 636 ;
C -1 ; WX 600 ; N Uhungarumlaut ; B 4 -18 638 784 ;
C -1 ; WX 600 ; N Eacute ; B 25 0 560 784 ;
C -1 ; WX 600 ; N emacron ; B 40 -15 563 585 ;
C -1 ; WX 600 ; N gbreve ; B 30 -146 580 661 ;
C -1 ; WX 600 ; N onequarter ; B -56 -60 656 661 ;
C -1 ; WX 600 ; N Scaron ; B 47 -22 553 790 ;
C -1 ; WX 600 ; N Scommaaccent ; B 47 -250 553 582 ;
C -1 ; WX 600 ; N Ohungarumlaut ; B 22 -18 628 784 ;
C -1 ; WX 600 ; N degree ; B 86 243 474 616 ;
C -1 ; WX 600 ; N ograve ; B 30 -15 570 661 ;
C -1 ; WX 600 ; N Ccaron ; B 22 -18 560 790 ;
C -1 ; WX 600 ; N ugrave ; B -1 -15 569 661 ;
C -1 ; WX 600 ; N radical ; B -19 -104 473 778 ;
C -1 ; WX 600 ; N Dcaron ; B 30 0 594 790 ;
C -1 ; WX 600 ; N rcommaaccent ; B 47 -250 580 454 ;
C -1 ; WX 600 ; N Ntilde ; B 8 -12 610 759 ;
C -1 ; WX 600 ; N otilde ; B 30 -15 570 636 ;
C -1 ; WX 600 ; N Rcommaaccent ; B 24 -250 599 562 ;
C -1 ; WX 600 ; N Lcommaaccent ; B 39 -250 578 562 ;
C -1 ; WX 600 ; N Atilde ; B -9 0 609 759 ;
C -1 ; WX 600 ; N Aogonek ; B -9 -199 625 562 ;
C -1 ; WX 600 ; N Aring ; B -9 0 609 801 ;
C -1 ; WX 600 ; N Otilde ; B 22 -18 578 759 ;
C -1 ; WX 600 ; N zdotaccent ; B 81 0 520 638 ;
C -1 ; WX 600 ; N Ecaron ; B 25 0 560 790 ;
C -1 ; WX 600 ; N Iogonek ; B 77 -199 523 562 ;
C -1 ; WX 600 ; N kcommaaccent ; B 20 -250 585 626 ;
C -1 ; WX 600 ; N minus ; B 71 203 529 313 ;
C -1 ; WX 600 ; N Icircumflex ; B 77 0 523 780 ;
C -1 ; WX 600 ; N ncaron ; B 18 0 592 667 ;
C -1 ; WX 600 ; N tcommaaccent ; B 47 -250 532 562 ;
C -1 ; WX 600 ; N logicalnot ; B 71 103 529 413 ;
C -1 ; WX 600 ; N odieresis ; B 30 -15 570 638 ;
C -1 ; WX 600 ; N udieresis ; B -1 -15 569 638 ;
C -1 ; WX 600 ; N notequal ; B 12 -47 537 563 ;

C -1 ; WX 600 ; N gcommaaccent ; B 30 -146 580 714 ;

C -1 ; WX 600 ; N eth ; B 58 -27 543 626 ;

C -1 ; WX 600 ; N zcaron ; B 81 0 520 667 ;

C -1 ; WX 600 ; N ncommaaccent ; B 18 -250 592 454 ;

C -1 ; WX 600 ; N onesuperior ; B 153 230 447 616 ;

C -1 ; WX 600 ; N imacron ; B 77 0 523 585 ;

C -1 ; WX 600 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

EndFontMetrics

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Courier-Bold.afm

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
flat.dtd

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SVG 1.1 Basic DTD

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-basic.dtd

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```
#####  
# Copyright (C) The Apache Software Foundation. All rights reserved. #  
# ----- #  
# This software is published under the terms of the Apache Software License #  
# version 1.1, a copy of which has been included with this distribution in #  
# the LICENSE file. #  
#####
```

```
# This file registers the example Bridge extension as a service for the  
# Bridge context.  
org.apache.batik.extension.svg.BatikBridgeExtension
```

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.bridge.BatikBridgeExtension

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cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution".

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties

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StartFontMetrics 4.1

Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Thu May 1 12:45:12 1997

Comment UniqueID 43053

Comment VMusage 14482 68586
FontName Helvetica-BoldOblique
FullName Helvetica Bold Oblique
FamilyName Helvetica
Weight Bold
ItalicAngle -12
IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -174 -228 1114 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All Rights Reserved. Helvetica is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Ascender 718
Descender -207
StdHW 118
StdVW 140
StartCharMetrics 315
C 32 ; WX 278 ; N space ; B 0 0 0 0 ;
C 33 ; WX 333 ; N exclam ; B 94 0 397 718 ;
C 34 ; WX 474 ; N quotedbl ; B 193 447 529 718 ;
C 35 ; WX 556 ; N numbersign ; B 60 0 644 698 ;
C 36 ; WX 556 ; N dollar ; B 67 -115 622 775 ;
C 37 ; WX 889 ; N percent ; B 136 -19 901 710 ;
C 38 ; WX 722 ; N ampersand ; B 89 -19 732 718 ;
C 39 ; WX 278 ; N quoteright ; B 167 445 362 718 ;
C 40 ; WX 333 ; N parenleft ; B 76 -208 470 734 ;
C 41 ; WX 333 ; N parenright ; B -25 -208 369 734 ;
C 42 ; WX 389 ; N asterisk ; B 146 387 481 718 ;
C 43 ; WX 584 ; N plus ; B 82 0 610 506 ;
C 44 ; WX 278 ; N comma ; B 28 -168 245 146 ;
C 45 ; WX 333 ; N hyphen ; B 73 215 379 345 ;
C 46 ; WX 278 ; N period ; B 64 0 245 146 ;
C 47 ; WX 278 ; N slash ; B -37 -19 468 737 ;
C 48 ; WX 556 ; N zero ; B 86 -19 617 710 ;
C 49 ; WX 556 ; N one ; B 173 0 529 710 ;
C 50 ; WX 556 ; N two ; B 26 0 619 710 ;
C 51 ; WX 556 ; N three ; B 65 -19 608 710 ;
C 52 ; WX 556 ; N four ; B 60 0 598 710 ;
C 53 ; WX 556 ; N five ; B 64 -19 636 698 ;
C 54 ; WX 556 ; N six ; B 85 -19 619 710 ;
C 55 ; WX 556 ; N seven ; B 125 0 676 698 ;
C 56 ; WX 556 ; N eight ; B 69 -19 616 710 ;
C 57 ; WX 556 ; N nine ; B 78 -19 615 710 ;

C 58 ; WX 333 ; N colon ; B 92 0 351 512 ;
C 59 ; WX 333 ; N semicolon ; B 56 -168 351 512 ;
C 60 ; WX 584 ; N less ; B 82 -8 655 514 ;
C 61 ; WX 584 ; N equal ; B 58 87 633 419 ;
C 62 ; WX 584 ; N greater ; B 36 -8 609 514 ;
C 63 ; WX 611 ; N question ; B 165 0 671 727 ;
C 64 ; WX 975 ; N at ; B 186 -19 954 737 ;
C 65 ; WX 722 ; N A ; B 20 0 702 718 ;
C 66 ; WX 722 ; N B ; B 76 0 764 718 ;
C 67 ; WX 722 ; N C ; B 107 -19 789 737 ;
C 68 ; WX 722 ; N D ; B 76 0 777 718 ;
C 69 ; WX 667 ; N E ; B 76 0 757 718 ;
C 70 ; WX 611 ; N F ; B 76 0 740 718 ;
C 71 ; WX 778 ; N G ; B 108 -19 817 737 ;
C 72 ; WX 722 ; N H ; B 71 0 804 718 ;
C 73 ; WX 278 ; N I ; B 64 0 367 718 ;
C 74 ; WX 556 ; N J ; B 60 -18 637 718 ;
C 75 ; WX 722 ; N K ; B 87 0 858 718 ;
C 76 ; WX 611 ; N L ; B 76 0 611 718 ;
C 77 ; WX 833 ; N M ; B 69 0 918 718 ;
C 78 ; WX 722 ; N N ; B 69 0 807 718 ;
C 79 ; WX 778 ; N O ; B 107 -19 823 737 ;
C 80 ; WX 667 ; N P ; B 76 0 738 718 ;
C 81 ; WX 778 ; N Q ; B 107 -52 823 737 ;
C 82 ; WX 722 ; N R ; B 76 0 778 718 ;
C 83 ; WX 667 ; N S ; B 81 -19 718 737 ;
C 84 ; WX 611 ; N T ; B 140 0 751 718 ;
C 85 ; WX 722 ; N U ; B 116 -19 804 718 ;
C 86 ; WX 667 ; N V ; B 172 0 801 718 ;
C 87 ; WX 944 ; N W ; B 169 0 1082 718 ;
C 88 ; WX 667 ; N X ; B 14 0 791 718 ;
C 89 ; WX 667 ; N Y ; B 168 0 806 718 ;
C 90 ; WX 611 ; N Z ; B 25 0 737 718 ;
C 91 ; WX 333 ; N bracketleft ; B 21 -196 462 722 ;
C 92 ; WX 278 ; N backslash ; B 124 -19 307 737 ;
C 93 ; WX 333 ; N bracketright ; B -18 -196 423 722 ;
C 94 ; WX 584 ; N asciicircum ; B 131 323 591 698 ;
C 95 ; WX 556 ; N underscore ; B -27 -125 540 -75 ;
C 96 ; WX 278 ; N quoteleft ; B 165 454 361 727 ;
C 97 ; WX 556 ; N a ; B 55 -14 583 546 ;
C 98 ; WX 611 ; N b ; B 61 -14 645 718 ;
C 99 ; WX 556 ; N c ; B 79 -14 599 546 ;
C 100 ; WX 611 ; N d ; B 82 -14 704 718 ;
C 101 ; WX 556 ; N e ; B 70 -14 593 546 ;
C 102 ; WX 333 ; N f ; B 87 0 469 727 ; L i f i ; L l f l ;
C 103 ; WX 611 ; N g ; B 38 -217 666 546 ;
C 104 ; WX 611 ; N h ; B 65 0 629 718 ;
C 105 ; WX 278 ; N i ; B 69 0 363 725 ;

C 106 ; WX 278 ; N j ; B -42 -214 363 725 ;
C 107 ; WX 556 ; N k ; B 69 0 670 718 ;
C 108 ; WX 278 ; N l ; B 69 0 362 718 ;
C 109 ; WX 889 ; N m ; B 64 0 909 546 ;
C 110 ; WX 611 ; N n ; B 65 0 629 546 ;
C 111 ; WX 611 ; N o ; B 82 -14 643 546 ;
C 112 ; WX 611 ; N p ; B 18 -207 645 546 ;
C 113 ; WX 611 ; N q ; B 80 -207 665 546 ;
C 114 ; WX 389 ; N r ; B 64 0 489 546 ;
C 115 ; WX 556 ; N s ; B 63 -14 584 546 ;
C 116 ; WX 333 ; N t ; B 100 -6 422 676 ;
C 117 ; WX 611 ; N u ; B 98 -14 658 532 ;
C 118 ; WX 556 ; N v ; B 126 0 656 532 ;
C 119 ; WX 778 ; N w ; B 123 0 882 532 ;
C 120 ; WX 556 ; N x ; B 15 0 648 532 ;
C 121 ; WX 556 ; N y ; B 42 -214 652 532 ;
C 122 ; WX 500 ; N z ; B 20 0 583 532 ;
C 123 ; WX 389 ; N braceleft ; B 94 -196 518 722 ;
C 124 ; WX 280 ; N bar ; B 36 -225 361 775 ;
C 125 ; WX 389 ; N braceright ; B -18 -196 407 722 ;
C 126 ; WX 584 ; N asciitilde ; B 115 163 577 343 ;
C 161 ; WX 333 ; N exclamdown ; B 50 -186 353 532 ;
C 162 ; WX 556 ; N cent ; B 79 -118 599 628 ;
C 163 ; WX 556 ; N sterling ; B 50 -16 635 718 ;
C 164 ; WX 167 ; N fraction ; B -174 -19 487 710 ;
C 165 ; WX 556 ; N yen ; B 60 0 713 698 ;
C 166 ; WX 556 ; N florin ; B -50 -210 669 737 ;
C 167 ; WX 556 ; N section ; B 61 -184 598 727 ;
C 168 ; WX 556 ; N currency ; B 27 76 680 636 ;
C 169 ; WX 238 ; N quotesingle ; B 165 447 321 718 ;
C 170 ; WX 500 ; N quotedblleft ; B 160 454 588 727 ;
C 171 ; WX 556 ; N guillemotleft ; B 135 76 571 484 ;
C 172 ; WX 333 ; N guilsinglleft ; B 130 76 353 484 ;
C 173 ; WX 333 ; N guilsinglright ; B 99 76 322 484 ;
C 174 ; WX 611 ; N fi ; B 87 0 696 727 ;
C 175 ; WX 611 ; N fl ; B 87 0 695 727 ;
C 177 ; WX 556 ; N endash ; B 48 227 627 333 ;
C 178 ; WX 556 ; N dagger ; B 118 -171 626 718 ;
C 179 ; WX 556 ; N daggerdbl ; B 46 -171 628 718 ;
C 180 ; WX 278 ; N periodcentered ; B 110 172 276 334 ;
C 182 ; WX 556 ; N paragraph ; B 98 -191 688 700 ;
C 183 ; WX 350 ; N bullet ; B 83 194 420 524 ;
C 184 ; WX 278 ; N quotesinglbase ; B 41 -146 236 127 ;
C 185 ; WX 500 ; N quotedblbase ; B 36 -146 463 127 ;
C 186 ; WX 500 ; N quotedblright ; B 162 445 589 718 ;
C 187 ; WX 556 ; N guillemotright ; B 104 76 540 484 ;
C 188 ; WX 1000 ; N ellipsis ; B 92 0 939 146 ;
C 189 ; WX 1000 ; N perthousand ; B 76 -19 1038 710 ;

C 191 ; WX 611 ; N questiondown ; B 53 -195 559 532 ;
C 193 ; WX 333 ; N grave ; B 136 604 353 750 ;
C 194 ; WX 333 ; N acute ; B 236 604 515 750 ;
C 195 ; WX 333 ; N circumflex ; B 118 604 471 750 ;
C 196 ; WX 333 ; N tilde ; B 113 610 507 737 ;
C 197 ; WX 333 ; N macron ; B 122 604 483 678 ;
C 198 ; WX 333 ; N breve ; B 156 604 494 750 ;
C 199 ; WX 333 ; N dotaccent ; B 235 614 385 729 ;
C 200 ; WX 333 ; N dieresis ; B 137 614 482 729 ;
C 202 ; WX 333 ; N ring ; B 200 568 420 776 ;
C 203 ; WX 333 ; N cedilla ; B -37 -228 220 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B 137 604 645 750 ;
C 206 ; WX 333 ; N ogonek ; B 41 -228 264 0 ;
C 207 ; WX 333 ; N caron ; B 149 604 502 750 ;
C 208 ; WX 1000 ; N emdash ; B 48 227 1071 333 ;
C 225 ; WX 1000 ; N AE ; B 5 0 1100 718 ;
C 227 ; WX 370 ; N ordfeminine ; B 125 401 465 737 ;
C 232 ; WX 611 ; N Lslash ; B 34 0 611 718 ;
C 233 ; WX 778 ; N Oslash ; B 35 -27 894 745 ;
C 234 ; WX 1000 ; N OE ; B 99 -19 1114 737 ;
C 235 ; WX 365 ; N ordmasculine ; B 123 401 485 737 ;
C 241 ; WX 889 ; N ae ; B 56 -14 923 546 ;
C 245 ; WX 278 ; N dotlessi ; B 69 0 322 532 ;
C 248 ; WX 278 ; N lslash ; B 40 0 407 718 ;
C 249 ; WX 611 ; N oslash ; B 22 -29 701 560 ;
C 250 ; WX 944 ; N oe ; B 82 -14 977 546 ;
C 251 ; WX 611 ; N germandbls ; B 69 -14 657 731 ;
C -1 ; WX 278 ; N Idieresis ; B 64 0 494 915 ;
C -1 ; WX 556 ; N eacute ; B 70 -14 627 750 ;
C -1 ; WX 556 ; N abreve ; B 55 -14 606 750 ;
C -1 ; WX 611 ; N uhungarumlaut ; B 98 -14 784 750 ;
C -1 ; WX 556 ; N ecaron ; B 70 -14 614 750 ;
C -1 ; WX 667 ; N Ydieresis ; B 168 0 806 915 ;
C -1 ; WX 584 ; N divide ; B 82 -42 610 548 ;
C -1 ; WX 667 ; N Yacute ; B 168 0 806 936 ;
C -1 ; WX 722 ; N Acircumflex ; B 20 0 706 936 ;
C -1 ; WX 556 ; N aacute ; B 55 -14 627 750 ;
C -1 ; WX 722 ; N Ucircumflex ; B 116 -19 804 936 ;
C -1 ; WX 556 ; N yacute ; B 42 -214 652 750 ;
C -1 ; WX 556 ; N scommaaccent ; B 63 -228 584 546 ;
C -1 ; WX 556 ; N ecircumflex ; B 70 -14 593 750 ;
C -1 ; WX 722 ; N Uring ; B 116 -19 804 962 ;
C -1 ; WX 722 ; N Udieresis ; B 116 -19 804 915 ;
C -1 ; WX 556 ; N aogonek ; B 55 -224 583 546 ;
C -1 ; WX 722 ; N Uacute ; B 116 -19 804 936 ;
C -1 ; WX 611 ; N uogonek ; B 98 -228 658 532 ;
C -1 ; WX 667 ; N Edieresis ; B 76 0 757 915 ;
C -1 ; WX 722 ; N Dcroat ; B 62 0 777 718 ;

C -1 ; WX 250 ; N commaaccent ; B 16 -228 188 -50 ;
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C -1 ; WX 667 ; N Emacron ; B 76 0 757 864 ;
C -1 ; WX 556 ; N ccaron ; B 79 -14 614 750 ;
C -1 ; WX 556 ; N aring ; B 55 -14 583 776 ;
C -1 ; WX 722 ; N Ncommaaccent ; B 69 -228 807 718 ;
C -1 ; WX 278 ; N lacute ; B 69 0 528 936 ;
C -1 ; WX 556 ; N agrave ; B 55 -14 583 750 ;
C -1 ; WX 611 ; N Tcommaaccent ; B 140 -228 751 718 ;
C -1 ; WX 722 ; N Cacute ; B 107 -19 789 936 ;
C -1 ; WX 556 ; N atilde ; B 55 -14 619 737 ;
C -1 ; WX 667 ; N Edotaccent ; B 76 0 757 915 ;
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C -1 ; WX 556 ; N scedilla ; B 63 -228 584 546 ;
C -1 ; WX 278 ; N iacute ; B 69 0 488 750 ;
C -1 ; WX 494 ; N lozenge ; B 90 0 564 745 ;
C -1 ; WX 722 ; N Rcaron ; B 76 0 778 936 ;
C -1 ; WX 778 ; N Gcommaaccent ; B 108 -228 817 737 ;
C -1 ; WX 611 ; N ucircumflex ; B 98 -14 658 750 ;
C -1 ; WX 556 ; N acircumflex ; B 55 -14 583 750 ;
C -1 ; WX 722 ; N Amacron ; B 20 0 718 864 ;
C -1 ; WX 389 ; N rcaron ; B 64 0 530 750 ;
C -1 ; WX 556 ; N ccedilla ; B 79 -228 599 546 ;
C -1 ; WX 611 ; N Zdotaccent ; B 25 0 737 915 ;
C -1 ; WX 667 ; N Thorn ; B 76 0 716 718 ;
C -1 ; WX 778 ; N Omacron ; B 107 -19 823 864 ;
C -1 ; WX 722 ; N Racute ; B 76 0 778 936 ;
C -1 ; WX 667 ; N Sacute ; B 81 -19 722 936 ;
C -1 ; WX 743 ; N dcaron ; B 82 -14 903 718 ;
C -1 ; WX 722 ; N Umacron ; B 116 -19 804 864 ;
C -1 ; WX 611 ; N uring ; B 98 -14 658 776 ;
C -1 ; WX 333 ; N threesuperior ; B 91 271 441 710 ;
C -1 ; WX 778 ; N Ograve ; B 107 -19 823 936 ;
C -1 ; WX 722 ; N Agrave ; B 20 0 702 936 ;
C -1 ; WX 722 ; N Abreve ; B 20 0 729 936 ;
C -1 ; WX 584 ; N multiply ; B 57 1 635 505 ;
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C -1 ; WX 556 ; N ydieresis ; B 42 -214 652 729 ;
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C -1 ; WX 278 ; N lcommaaccent ; B 30 -228 362 718 ;
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C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 611 ; N thorn ; B 18 -208 645 718 ;
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C -1 ; WX 778 ; N Odieresis ; B 107 -19 823 915 ;
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C -1 ; WX 611 ; N dcroat ; B 82 -14 789 718 ;
C -1 ; WX 834 ; N threequarters ; B 99 -19 839 710 ;
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C -1 ; WX 722 ; N Atilde ; B 20 0 741 923 ;
C -1 ; WX 722 ; N Aogonek ; B 20 -224 702 718 ;
C -1 ; WX 722 ; N Aring ; B 20 0 702 962 ;
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C -1 ; WX 556 ; N kcommaaccent ; B 69 -228 670 718 ;
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C -1 ; WX 278 ; N Icircumflex ; B 64 0 484 936 ;
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C -1 ; WX 584 ; N logicalnot ; B 105 108 633 419 ;
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EndKernData
EndFontMetrics

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SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

dimensional graphics in XML.

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Revision: \$Id: svg11

Found in path(s):

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
basic-flat.dtd

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StartFontMetrics 4.1

Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Thu May 1 12:38:23 1997

Comment UniqueID 43054

Comment VMusage 37069 48094

FontName Helvetica

FullName Helvetica

FamilyName Helvetica

Weight Medium

ItalicAngle 0

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -166 -225 1000 931

UnderlinePosition -100

UnderlineThickness 50

Version 002.000

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EncodingScheme AdobeStandardEncoding

CapHeight 718

XHeight 523

Ascender 718
Descender -207
StdHW 76
StdVW 88
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C 33 ; WX 278 ; N exclam ; B 90 0 187 718 ;
C 34 ; WX 355 ; N quotedbl ; B 70 463 285 718 ;
C 35 ; WX 556 ; N numbersign ; B 28 0 529 688 ;
C 36 ; WX 556 ; N dollar ; B 32 -115 520 775 ;
C 37 ; WX 889 ; N percent ; B 39 -19 850 703 ;
C 38 ; WX 667 ; N ampersand ; B 44 -15 645 718 ;
C 39 ; WX 222 ; N quoteright ; B 53 463 157 718 ;
C 40 ; WX 333 ; N parenleft ; B 68 -207 299 733 ;
C 41 ; WX 333 ; N parenright ; B 34 -207 265 733 ;
C 42 ; WX 389 ; N asterisk ; B 39 431 349 718 ;
C 43 ; WX 584 ; N plus ; B 39 0 545 505 ;
C 44 ; WX 278 ; N comma ; B 87 -147 191 106 ;
C 45 ; WX 333 ; N hyphen ; B 44 232 289 322 ;
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C 47 ; WX 278 ; N slash ; B -17 -19 295 737 ;
C 48 ; WX 556 ; N zero ; B 37 -19 519 703 ;
C 49 ; WX 556 ; N one ; B 101 0 359 703 ;
C 50 ; WX 556 ; N two ; B 26 0 507 703 ;
C 51 ; WX 556 ; N three ; B 34 -19 522 703 ;
C 52 ; WX 556 ; N four ; B 25 0 523 703 ;
C 53 ; WX 556 ; N five ; B 32 -19 514 688 ;
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C 62 ; WX 584 ; N greater ; B 48 11 536 495 ;
C 63 ; WX 556 ; N question ; B 56 0 492 727 ;
C 64 ; WX 1015 ; N at ; B 147 -19 868 737 ;
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C 112 ; WX 556 ; N p ; B 58 -207 517 538 ;
C 113 ; WX 556 ; N q ; B 35 -207 494 538 ;
C 114 ; WX 333 ; N r ; B 77 0 332 538 ;
C 115 ; WX 500 ; N s ; B 32 -15 464 538 ;
C 116 ; WX 278 ; N t ; B 14 -7 257 669 ;
C 117 ; WX 556 ; N u ; B 68 -15 489 523 ;
C 118 ; WX 500 ; N v ; B 8 0 492 523 ;
C 119 ; WX 722 ; N w ; B 14 0 709 523 ;
C 120 ; WX 500 ; N x ; B 11 0 490 523 ;
C 121 ; WX 500 ; N y ; B 11 -214 489 523 ;
C 122 ; WX 500 ; N z ; B 31 0 469 523 ;

C 123 ; WX 334 ; N braceleft ; B 42 -196 292 722 ;
C 124 ; WX 260 ; N bar ; B 94 -225 167 775 ;
C 125 ; WX 334 ; N braceright ; B 42 -196 292 722 ;
C 126 ; WX 584 ; N asciitilde ; B 61 180 523 326 ;
C 161 ; WX 333 ; N exclamdown ; B 118 -195 215 523 ;
C 162 ; WX 556 ; N cent ; B 51 -115 513 623 ;
C 163 ; WX 556 ; N sterling ; B 33 -16 539 718 ;
C 164 ; WX 167 ; N fraction ; B -166 -19 333 703 ;
C 165 ; WX 556 ; N yen ; B 3 0 553 688 ;
C 166 ; WX 556 ; N florin ; B -11 -207 501 737 ;
C 167 ; WX 556 ; N section ; B 43 -191 512 737 ;
C 168 ; WX 556 ; N currency ; B 28 99 528 603 ;
C 169 ; WX 191 ; N quotesingle ; B 59 463 132 718 ;
C 170 ; WX 333 ; N quotedblleft ; B 38 470 307 725 ;
C 171 ; WX 556 ; N guillemotleft ; B 97 108 459 446 ;
C 172 ; WX 333 ; N guilsinglleft ; B 88 108 245 446 ;
C 173 ; WX 333 ; N guilsinglright ; B 88 108 245 446 ;
C 174 ; WX 500 ; N fi ; B 14 0 434 728 ;
C 175 ; WX 500 ; N fl ; B 14 0 432 728 ;
C 177 ; WX 556 ; N endash ; B 0 240 556 313 ;
C 178 ; WX 556 ; N dagger ; B 43 -159 514 718 ;
C 179 ; WX 556 ; N daggerdbl ; B 43 -159 514 718 ;
C 180 ; WX 278 ; N periodcentered ; B 77 190 202 315 ;
C 182 ; WX 537 ; N paragraph ; B 18 -173 497 718 ;
C 183 ; WX 350 ; N bullet ; B 18 202 333 517 ;
C 184 ; WX 222 ; N quotesinglbase ; B 53 -149 157 106 ;
C 185 ; WX 333 ; N quotedblbase ; B 26 -149 295 106 ;
C 186 ; WX 333 ; N quotedblright ; B 26 463 295 718 ;
C 187 ; WX 556 ; N guillemotright ; B 97 108 459 446 ;
C 188 ; WX 1000 ; N ellipsis ; B 115 0 885 106 ;
C 189 ; WX 1000 ; N perthousand ; B 7 -19 994 703 ;
C 191 ; WX 611 ; N questiondown ; B 91 -201 527 525 ;
C 193 ; WX 333 ; N grave ; B 14 593 211 734 ;
C 194 ; WX 333 ; N acute ; B 122 593 319 734 ;
C 195 ; WX 333 ; N circumflex ; B 21 593 312 734 ;
C 196 ; WX 333 ; N tilde ; B -4 606 337 722 ;
C 197 ; WX 333 ; N macron ; B 10 627 323 684 ;
C 198 ; WX 333 ; N breve ; B 13 595 321 731 ;
C 199 ; WX 333 ; N dotaccent ; B 121 604 212 706 ;
C 200 ; WX 333 ; N dieresis ; B 40 604 293 706 ;
C 202 ; WX 333 ; N ring ; B 75 572 259 756 ;
C 203 ; WX 333 ; N cedilla ; B 45 -225 259 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B 31 593 409 734 ;
C 206 ; WX 333 ; N ogonek ; B 73 -225 287 0 ;
C 207 ; WX 333 ; N caron ; B 21 593 312 734 ;
C 208 ; WX 1000 ; N emdash ; B 0 240 1000 313 ;
C 225 ; WX 1000 ; N AE ; B 8 0 951 718 ;
C 227 ; WX 370 ; N ordfeminine ; B 24 405 346 737 ;

C 232 ; WX 556 ; N Lslash ; B -20 0 537 718 ;
C 233 ; WX 778 ; N Oslash ; B 39 -19 740 737 ;
C 234 ; WX 1000 ; N OE ; B 36 -19 965 737 ;
C 235 ; WX 365 ; N ordmasculine ; B 25 405 341 737 ;
C 241 ; WX 889 ; N ae ; B 36 -15 847 538 ;
C 245 ; WX 278 ; N dotlessi ; B 95 0 183 523 ;
C 248 ; WX 222 ; N lslash ; B -20 0 242 718 ;
C 249 ; WX 611 ; N oslash ; B 28 -22 537 545 ;
C 250 ; WX 944 ; N oe ; B 35 -15 902 538 ;
C 251 ; WX 611 ; N germandbls ; B 67 -15 571 728 ;
C -1 ; WX 278 ; N Idieresis ; B 13 0 266 901 ;
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C -1 ; WX 722 ; N Ucircumflex ; B 79 -19 644 929 ;
C -1 ; WX 500 ; N yacute ; B 11 -214 489 734 ;
C -1 ; WX 500 ; N scommaaccent ; B 32 -225 464 538 ;
C -1 ; WX 556 ; N ecircumflex ; B 40 -15 516 734 ;
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C -1 ; WX 556 ; N uogonek ; B 68 -225 519 523 ;
C -1 ; WX 667 ; N Edieresis ; B 86 0 616 901 ;
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C -1 ; WX 737 ; N copyright ; B -14 -19 752 737 ;
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C -1 ; WX 556 ; N agrave ; B 36 -15 530 734 ;
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C -1 ; WX 722 ; N Cacute ; B 44 -19 681 929 ;
C -1 ; WX 556 ; N atilde ; B 36 -15 530 722 ;
C -1 ; WX 667 ; N Edotaccent ; B 86 0 616 901 ;
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C -1 ; WX 500 ; N scedilla ; B 32 -225 464 538 ;
C -1 ; WX 278 ; N iacute ; B 95 0 292 734 ;
C -1 ; WX 471 ; N lozenge ; B 10 0 462 728 ;
C -1 ; WX 722 ; N Rcaron ; B 88 0 684 929 ;

C -1 ; WX 778 ; N Gcommaaccent ; B 48 -225 704 737 ;
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C -1 ; WX 667 ; N Amacron ; B 14 0 654 879 ;
C -1 ; WX 333 ; N rcaron ; B 61 0 352 734 ;
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C -1 ; WX 611 ; N Zdotaccent ; B 23 0 588 901 ;
C -1 ; WX 667 ; N Thorn ; B 86 0 622 718 ;
C -1 ; WX 778 ; N Omacron ; B 39 -19 739 879 ;
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C -1 ; WX 722 ; N Umacron ; B 79 -19 644 879 ;
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C -1 ; WX 667 ; N Agrave ; B 14 0 654 929 ;
C -1 ; WX 667 ; N Abreve ; B 14 0 654 926 ;
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C -1 ; WX 556 ; N uacute ; B 68 -15 489 734 ;
C -1 ; WX 611 ; N Tcaron ; B 14 0 597 929 ;
C -1 ; WX 476 ; N partialdiff ; B 13 -38 463 714 ;
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C -1 ; WX 722 ; N Nacute ; B 76 0 646 929 ;
C -1 ; WX 278 ; N icircumflex ; B -6 0 285 734 ;
C -1 ; WX 667 ; N Ecircumflex ; B 86 0 616 929 ;
C -1 ; WX 556 ; N adieresis ; B 36 -15 530 706 ;
C -1 ; WX 556 ; N edieresis ; B 40 -15 516 706 ;
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C -1 ; WX 556 ; N nacute ; B 65 0 491 734 ;
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C -1 ; WX 584 ; N plusminus ; B 39 0 545 506 ;
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C -1 ; WX 278 ; N Idotaccent ; B 91 0 188 901 ;
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C -1 ; WX 611 ; N Zacute ; B 23 0 588 929 ;
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C -1 ; WX 722 ; N Eth ; B 0 0 674 718 ;
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C -1 ; WX 222 ; N lcommaaccent ; B 67 -225 167 718 ;

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C -1 ; WX 556 ; N eogonek ; B 40 -225 516 538 ;
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C -1 ; WX 500 ; N zacute ; B 31 0 469 734 ;
C -1 ; WX 222 ; N iogonek ; B -31 -225 183 718 ;
C -1 ; WX 778 ; N Oacute ; B 39 -19 739 929 ;
C -1 ; WX 556 ; N oacute ; B 35 -14 521 734 ;
C -1 ; WX 556 ; N amacron ; B 36 -15 530 684 ;
C -1 ; WX 500 ; N sacute ; B 32 -15 464 734 ;
C -1 ; WX 278 ; N idieresis ; B 13 0 266 706 ;
C -1 ; WX 778 ; N Ocircumflex ; B 39 -19 739 929 ;
C -1 ; WX 722 ; N Ugrave ; B 79 -19 644 929 ;
C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 556 ; N thorn ; B 58 -207 517 718 ;
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C -1 ; WX 778 ; N Odieresis ; B 39 -19 739 901 ;
C -1 ; WX 556 ; N mu ; B 68 -207 489 523 ;
C -1 ; WX 278 ; N igrave ; B -13 0 184 734 ;
C -1 ; WX 556 ; N ohungarumlaut ; B 35 -14 521 734 ;
C -1 ; WX 667 ; N Eogonek ; B 86 -220 633 718 ;
C -1 ; WX 556 ; N dcroat ; B 35 -15 550 718 ;
C -1 ; WX 834 ; N threequarters ; B 45 -19 810 703 ;
C -1 ; WX 667 ; N Scedilla ; B 49 -225 620 737 ;
C -1 ; WX 299 ; N lcaron ; B 67 0 311 718 ;
C -1 ; WX 667 ; N Kcommaaccent ; B 76 -225 663 718 ;
C -1 ; WX 556 ; N Lacute ; B 76 0 537 929 ;
C -1 ; WX 1000 ; N trademark ; B 46 306 903 718 ;
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C -1 ; WX 278 ; N Imacron ; B -17 0 296 879 ;
C -1 ; WX 556 ; N Lcaron ; B 76 0 537 718 ;
C -1 ; WX 834 ; N onehalf ; B 43 -19 773 703 ;
C -1 ; WX 549 ; N lessequal ; B 26 0 523 674 ;
C -1 ; WX 556 ; N ocircumflex ; B 35 -14 521 734 ;
C -1 ; WX 556 ; N ntilde ; B 65 0 491 722 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 79 -19 644 929 ;
C -1 ; WX 667 ; N Eacute ; B 86 0 616 929 ;
C -1 ; WX 556 ; N emacron ; B 40 -15 516 684 ;
C -1 ; WX 556 ; N gbreve ; B 40 -220 499 731 ;
C -1 ; WX 834 ; N onequarter ; B 73 -19 756 703 ;
C -1 ; WX 667 ; N Scaron ; B 49 -19 620 929 ;
C -1 ; WX 667 ; N Scommaaccent ; B 49 -225 620 737 ;
C -1 ; WX 778 ; N Ohungarumlaut ; B 39 -19 739 929 ;
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C -1 ; WX 556 ; N ograve ; B 35 -14 521 734 ;

C -1 ; WX 722 ; N Ccaron ; B 44 -19 681 929 ;
C -1 ; WX 556 ; N ugrave ; B 68 -15 489 734 ;
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C -1 ; WX 722 ; N Dcaron ; B 81 0 674 929 ;
C -1 ; WX 333 ; N rcommaaccent ; B 77 -225 332 538 ;
C -1 ; WX 722 ; N Ntilde ; B 76 0 646 917 ;
C -1 ; WX 556 ; N otilde ; B 35 -14 521 722 ;
C -1 ; WX 722 ; N Rcommaaccent ; B 88 -225 684 718 ;
C -1 ; WX 556 ; N Lcommaaccent ; B 76 -225 537 718 ;
C -1 ; WX 667 ; N Atilde ; B 14 0 654 917 ;
C -1 ; WX 667 ; N Aogonek ; B 14 -225 654 718 ;
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C -1 ; WX 278 ; N Iogonek ; B -3 -225 211 718 ;
C -1 ; WX 500 ; N kcommaaccent ; B 67 -225 501 718 ;
C -1 ; WX 584 ; N minus ; B 39 216 545 289 ;
C -1 ; WX 278 ; N Icircumflex ; B -6 0 285 929 ;
C -1 ; WX 556 ; N ncaron ; B 65 0 491 734 ;
C -1 ; WX 278 ; N tcommaaccent ; B 14 -225 257 669 ;
C -1 ; WX 584 ; N logicalnot ; B 39 108 545 390 ;
C -1 ; WX 556 ; N odieresis ; B 35 -14 521 706 ;
C -1 ; WX 556 ; N udieresis ; B 68 -15 489 706 ;
C -1 ; WX 549 ; N notequal ; B 12 -35 537 551 ;
C -1 ; WX 556 ; N gcommaaccent ; B 40 -220 499 822 ;
C -1 ; WX 556 ; N eth ; B 35 -15 522 737 ;
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EndCharMetrics

StartKernData

StartKernPairs 2705

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EndKernPairs

EndKernData

EndFontMetrics

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

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Comment Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Thu May 1 12:44:31 1997

Comment UniqueID 43055

Comment VMusage 14960 69346

FontName Helvetica-Oblique

FullName Helvetica Oblique

FamilyName Helvetica

Weight Medium

ItalicAngle -12

IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -170 -225 1116 931
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
Notice Copyright (c) 1985, 1987, 1989, 1990, 1997 Adobe Systems Incorporated. All Rights Reserved. Helvetica is a trademark of Linotype-Hell AG and/or its subsidiaries.
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 523
Ascender 718
Descender -207
StdHW 76
StdVW 88
StartCharMetrics 315
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C 34 ; WX 355 ; N quotedbl ; B 168 463 438 718 ;
C 35 ; WX 556 ; N numbersign ; B 73 0 631 688 ;
C 36 ; WX 556 ; N dollar ; B 69 -115 617 775 ;
C 37 ; WX 889 ; N percent ; B 147 -19 889 703 ;
C 38 ; WX 667 ; N ampersand ; B 77 -15 647 718 ;
C 39 ; WX 222 ; N quoteright ; B 151 463 310 718 ;
C 40 ; WX 333 ; N parenleft ; B 108 -207 454 733 ;
C 41 ; WX 333 ; N parenright ; B -9 -207 337 733 ;
C 42 ; WX 389 ; N asterisk ; B 165 431 475 718 ;
C 43 ; WX 584 ; N plus ; B 85 0 606 505 ;
C 44 ; WX 278 ; N comma ; B 56 -147 214 106 ;
C 45 ; WX 333 ; N hyphen ; B 93 232 357 322 ;
C 46 ; WX 278 ; N period ; B 87 0 214 106 ;
C 47 ; WX 278 ; N slash ; B -21 -19 452 737 ;
C 48 ; WX 556 ; N zero ; B 93 -19 608 703 ;
C 49 ; WX 556 ; N one ; B 207 0 508 703 ;
C 50 ; WX 556 ; N two ; B 26 0 617 703 ;
C 51 ; WX 556 ; N three ; B 75 -19 610 703 ;
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C 56 ; WX 556 ; N eight ; B 74 -19 607 703 ;
C 57 ; WX 556 ; N nine ; B 82 -19 609 703 ;
C 58 ; WX 278 ; N colon ; B 87 0 301 516 ;
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C 63 ; WX 556 ; N question ; B 161 0 610 727 ;

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C 65 ; WX 667 ; N A ; B 14 0 654 718 ;
C 66 ; WX 667 ; N B ; B 74 0 712 718 ;
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C 68 ; WX 722 ; N D ; B 81 0 764 718 ;
C 69 ; WX 667 ; N E ; B 86 0 762 718 ;
C 70 ; WX 611 ; N F ; B 86 0 736 718 ;
C 71 ; WX 778 ; N G ; B 111 -19 799 737 ;
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C 77 ; WX 833 ; N M ; B 73 0 914 718 ;
C 78 ; WX 722 ; N N ; B 76 0 799 718 ;
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C 80 ; WX 667 ; N P ; B 86 0 737 718 ;
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C 82 ; WX 722 ; N R ; B 88 0 773 718 ;
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C 86 ; WX 667 ; N V ; B 173 0 800 718 ;
C 87 ; WX 944 ; N W ; B 169 0 1081 718 ;
C 88 ; WX 667 ; N X ; B 19 0 790 718 ;
C 89 ; WX 667 ; N Y ; B 167 0 806 718 ;
C 90 ; WX 611 ; N Z ; B 23 0 741 718 ;
C 91 ; WX 278 ; N bracketleft ; B 21 -196 403 722 ;
C 92 ; WX 278 ; N backslash ; B 140 -19 291 737 ;
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C 94 ; WX 469 ; N asciicircum ; B 42 264 539 688 ;
C 95 ; WX 556 ; N underscore ; B -27 -125 540 -75 ;
C 96 ; WX 222 ; N quoteleft ; B 165 470 323 725 ;
C 97 ; WX 556 ; N a ; B 61 -15 559 538 ;
C 98 ; WX 556 ; N b ; B 58 -15 584 718 ;
C 99 ; WX 500 ; N c ; B 74 -15 553 538 ;
C 100 ; WX 556 ; N d ; B 84 -15 652 718 ;
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C 102 ; WX 278 ; N f ; B 86 0 416 728 ; L i fi ; L l fl ;
C 103 ; WX 556 ; N g ; B 42 -220 610 538 ;
C 104 ; WX 556 ; N h ; B 65 0 573 718 ;
C 105 ; WX 222 ; N i ; B 67 0 308 718 ;
C 106 ; WX 222 ; N j ; B -60 -210 308 718 ;
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C 108 ; WX 222 ; N l ; B 67 0 308 718 ;
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C 110 ; WX 556 ; N n ; B 65 0 573 538 ;
C 111 ; WX 556 ; N o ; B 83 -14 585 538 ;

C 112 ; WX 556 ; N p ; B 14 -207 584 538 ;
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C 114 ; WX 333 ; N r ; B 77 0 446 538 ;
C 115 ; WX 500 ; N s ; B 63 -15 529 538 ;
C 116 ; WX 278 ; N t ; B 102 -7 368 669 ;
C 117 ; WX 556 ; N u ; B 94 -15 600 523 ;
C 118 ; WX 500 ; N v ; B 119 0 603 523 ;
C 119 ; WX 722 ; N w ; B 125 0 820 523 ;
C 120 ; WX 500 ; N x ; B 11 0 594 523 ;
C 121 ; WX 500 ; N y ; B 15 -214 600 523 ;
C 122 ; WX 500 ; N z ; B 31 0 571 523 ;
C 123 ; WX 334 ; N braceleft ; B 92 -196 445 722 ;
C 124 ; WX 260 ; N bar ; B 46 -225 332 775 ;
C 125 ; WX 334 ; N braceright ; B 0 -196 354 722 ;
C 126 ; WX 584 ; N asciitilde ; B 111 180 580 326 ;
C 161 ; WX 333 ; N exclamdown ; B 77 -195 326 523 ;
C 162 ; WX 556 ; N cent ; B 95 -115 584 623 ;
C 163 ; WX 556 ; N sterling ; B 49 -16 634 718 ;
C 164 ; WX 167 ; N fraction ; B -170 -19 482 703 ;
C 165 ; WX 556 ; N yen ; B 81 0 699 688 ;
C 166 ; WX 556 ; N florin ; B -52 -207 654 737 ;
C 167 ; WX 556 ; N section ; B 76 -191 584 737 ;
C 168 ; WX 556 ; N currency ; B 60 99 646 603 ;
C 169 ; WX 191 ; N quotesingle ; B 157 463 285 718 ;
C 170 ; WX 333 ; N quotedblleft ; B 138 470 461 725 ;
C 171 ; WX 556 ; N guillemotleft ; B 146 108 554 446 ;
C 172 ; WX 333 ; N guilsinglleft ; B 137 108 340 446 ;
C 173 ; WX 333 ; N guilsinglright ; B 111 108 314 446 ;
C 174 ; WX 500 ; N fi ; B 86 0 587 728 ;
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C 177 ; WX 556 ; N endash ; B 51 240 623 313 ;
C 178 ; WX 556 ; N dagger ; B 135 -159 622 718 ;
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C 180 ; WX 278 ; N periodcentered ; B 129 190 257 315 ;
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C 188 ; WX 1000 ; N ellipsis ; B 115 0 908 106 ;
C 189 ; WX 1000 ; N perthousand ; B 88 -19 1029 703 ;
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C 200 ; WX 333 ; N dieresis ; B 168 604 443 706 ;
C 202 ; WX 333 ; N ring ; B 214 572 402 756 ;
C 203 ; WX 333 ; N cedilla ; B 2 -225 232 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B 157 593 565 734 ;
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C 207 ; WX 333 ; N caron ; B 177 593 468 734 ;
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C 225 ; WX 1000 ; N AE ; B 8 0 1097 718 ;
C 227 ; WX 370 ; N ordfeminine ; B 127 405 449 737 ;
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C 241 ; WX 889 ; N ae ; B 61 -15 909 538 ;
C 245 ; WX 278 ; N dotlessi ; B 95 0 294 523 ;
C 248 ; WX 222 ; N lslash ; B 41 0 347 718 ;
C 249 ; WX 611 ; N oslash ; B 29 -22 647 545 ;
C 250 ; WX 944 ; N oe ; B 83 -15 964 538 ;
C 251 ; WX 611 ; N germandbls ; B 67 -15 658 728 ;
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C -1 ; WX 556 ; N ecaron ; B 84 -15 580 734 ;
C -1 ; WX 667 ; N Ydieresis ; B 167 0 806 901 ;
C -1 ; WX 584 ; N divide ; B 85 -19 606 524 ;
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 C -1 ; WX 667 ; N Scaron ; B 90 -19 713 929 ;
 C -1 ; WX 667 ; N Scommaaccent ; B 90 -225 713 737 ;
 C -1 ; WX 778 ; N Ohungarumlaut ; B 105 -19 829 929 ;
 C -1 ; WX 400 ; N degree ; B 169 411 468 703 ;
 C -1 ; WX 556 ; N ograve ; B 83 -14 585 734 ;
 C -1 ; WX 722 ; N Ccaron ; B 108 -19 782 929 ;
 C -1 ; WX 556 ; N ugrave ; B 94 -15 600 734 ;
 C -1 ; WX 453 ; N radical ; B 79 -80 617 762 ;
 C -1 ; WX 722 ; N Dcaron ; B 81 0 764 929 ;
 C -1 ; WX 333 ; N rcommaaccent ; B 30 -225 446 538 ;
 C -1 ; WX 722 ; N Ntilde ; B 76 0 799 917 ;
 C -1 ; WX 556 ; N otilde ; B 83 -14 602 722 ;
 C -1 ; WX 722 ; N Rcommaaccent ; B 88 -225 773 718 ;
 C -1 ; WX 556 ; N Lcommaaccent ; B 76 -225 555 718 ;
 C -1 ; WX 667 ; N Atilde ; B 14 0 699 917 ;
 C -1 ; WX 667 ; N Aogonek ; B 14 -225 654 718 ;
 C -1 ; WX 667 ; N Aring ; B 14 0 654 931 ;
 C -1 ; WX 778 ; N Otilde ; B 105 -19 826 917 ;
 C -1 ; WX 500 ; N zdotaccent ; B 31 0 571 706 ;
 C -1 ; WX 667 ; N Ecaron ; B 86 0 762 929 ;
 C -1 ; WX 278 ; N Iogonek ; B -33 -225 341 718 ;
 C -1 ; WX 500 ; N kcommaaccent ; B 67 -225 600 718 ;
 C -1 ; WX 584 ; N minus ; B 85 216 606 289 ;
 C -1 ; WX 278 ; N Icircumflex ; B 91 0 452 929 ;
 C -1 ; WX 556 ; N ncaron ; B 65 0 580 734 ;
 C -1 ; WX 278 ; N tcommaaccent ; B 63 -225 368 669 ;
 C -1 ; WX 584 ; N logicalnot ; B 106 108 628 390 ;
 C -1 ; WX 556 ; N odieresis ; B 83 -14 585 706 ;
 C -1 ; WX 556 ; N udieresis ; B 94 -15 600 706 ;
 C -1 ; WX 549 ; N notequal ; B 34 -35 623 551 ;
 C -1 ; WX 556 ; N gcommaaccent ; B 42 -220 610 822 ;
 C -1 ; WX 556 ; N eth ; B 81 -15 617 737 ;
 C -1 ; WX 500 ; N zcaron ; B 31 0 571 734 ;
 C -1 ; WX 556 ; N ncommaaccent ; B 65 -225 573 538 ;
 C -1 ; WX 333 ; N onesuperior ; B 166 281 371 703 ;
 C -1 ; WX 278 ; N imacron ; B 95 0 417 684 ;
 C -1 ; WX 556 ; N Euro ; B 0 0 0 0 ;
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 StartKernPairs 2705
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KPX Umacron Acircumflex -40
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KPX oslash uogonek -55

KPX oslash uring -55
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EndFontMetrics

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Helvetica-Oblique.afm

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* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/mozilla/javascript/resources/Messages.properties

* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/mozilla/javascript/tools/resources/Messages.properties

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StartFontMetrics 4.1

Comment Copyright (c) 1985, 1987, 1988, 1989, 1997 Adobe Systems Incorporated. All Rights Reserved.

Comment Creation Date: Thu May 1 15:14:13 1997

Comment UniqueID 43082

Comment VMusage 45775 55535

FontName ZapfDingbats

FullName ITC Zapf Dingbats

FamilyName ZapfDingbats

Weight Medium

ItalicAngle 0
IsFixedPitch false
CharacterSet Special
FontBBox -1 -143 981 820
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
Notice Copyright (c) 1985, 1987, 1988, 1989, 1997 Adobe Systems Incorporated. All Rights Reserved. ITC Zapf
Dingbats is a registered trademark of International Typeface Corporation.
EncodingScheme FontSpecific
StdHW 28
StdVW 90
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C 135 ; WX 509 ; N a85 ; B 35 0 475 692 ;
C 136 ; WX 410 ; N a206 ; B 35 0 375 692 ;
C 137 ; WX 410 ; N a86 ; B 35 0 375 692 ;
C 138 ; WX 234 ; N a87 ; B 35 -14 199 705 ;
C 139 ; WX 234 ; N a88 ; B 35 -14 199 705 ;
C 140 ; WX 334 ; N a95 ; B 35 0 299 692 ;
C 141 ; WX 334 ; N a96 ; B 35 0 299 692 ;
C 161 ; WX 732 ; N a101 ; B 35 -143 697 806 ;
C 162 ; WX 544 ; N a102 ; B 56 -14 488 706 ;
C 163 ; WX 544 ; N a103 ; B 34 -14 508 705 ;
C 164 ; WX 910 ; N a104 ; B 35 40 875 651 ;
C 165 ; WX 667 ; N a106 ; B 35 -14 633 705 ;
C 166 ; WX 760 ; N a107 ; B 35 -14 726 705 ;
C 167 ; WX 760 ; N a108 ; B 0 121 758 569 ;
C 168 ; WX 776 ; N a112 ; B 35 0 741 705 ;
C 169 ; WX 595 ; N a111 ; B 34 -14 560 705 ;
C 170 ; WX 694 ; N a110 ; B 35 -14 659 705 ;
C 171 ; WX 626 ; N a109 ; B 34 0 591 705 ;
C 172 ; WX 788 ; N a120 ; B 35 -14 754 705 ;
C 173 ; WX 788 ; N a121 ; B 35 -14 754 705 ;
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C 179 ; WX 788 ; N a127 ; B 35 -14 754 705 ;
C 180 ; WX 788 ; N a128 ; B 35 -14 754 705 ;
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C 187 ; WX 788 ; N a135 ; B 35 -14 754 705 ;
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C 197 ; WX 788 ; N a145 ; B 35 -14 754 705 ;
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C 211 ; WX 788 ; N a159 ; B 35 -14 754 705 ;
C 212 ; WX 894 ; N a160 ; B 35 58 860 634 ;
C 213 ; WX 838 ; N a161 ; B 35 152 803 540 ;
C 214 ; WX 1016 ; N a163 ; B 34 152 981 540 ;
C 215 ; WX 458 ; N a164 ; B 35 -127 422 820 ;
C 216 ; WX 748 ; N a196 ; B 35 94 698 597 ;
C 217 ; WX 924 ; N a165 ; B 35 140 890 552 ;
C 218 ; WX 748 ; N a192 ; B 35 94 698 597 ;
C 219 ; WX 918 ; N a166 ; B 35 166 884 526 ;
C 220 ; WX 927 ; N a167 ; B 35 32 892 660 ;
C 221 ; WX 928 ; N a168 ; B 35 129 891 562 ;
C 222 ; WX 928 ; N a169 ; B 35 128 893 563 ;
C 223 ; WX 834 ; N a170 ; B 35 155 799 537 ;
C 224 ; WX 873 ; N a171 ; B 35 93 838 599 ;
C 225 ; WX 828 ; N a172 ; B 35 104 791 588 ;
C 226 ; WX 924 ; N a173 ; B 35 98 889 594 ;
C 227 ; WX 924 ; N a162 ; B 35 98 889 594 ;
C 228 ; WX 917 ; N a174 ; B 35 0 882 692 ;
C 229 ; WX 930 ; N a175 ; B 35 84 896 608 ;
C 230 ; WX 931 ; N a176 ; B 35 84 896 608 ;

C 231 ; WX 463 ; N a177 ; B 35 -99 429 791 ;
C 232 ; WX 883 ; N a178 ; B 35 71 848 623 ;
C 233 ; WX 836 ; N a179 ; B 35 44 802 648 ;
C 234 ; WX 836 ; N a193 ; B 35 44 802 648 ;
C 235 ; WX 867 ; N a180 ; B 35 101 832 591 ;
C 236 ; WX 867 ; N a199 ; B 35 101 832 591 ;
C 237 ; WX 696 ; N a181 ; B 35 44 661 648 ;
C 238 ; WX 696 ; N a200 ; B 35 44 661 648 ;
C 239 ; WX 874 ; N a182 ; B 35 77 840 619 ;
C 241 ; WX 874 ; N a201 ; B 35 73 840 615 ;
C 242 ; WX 760 ; N a183 ; B 35 0 725 692 ;
C 243 ; WX 946 ; N a184 ; B 35 160 911 533 ;
C 244 ; WX 771 ; N a197 ; B 34 37 736 655 ;
C 245 ; WX 865 ; N a185 ; B 35 207 830 481 ;
C 246 ; WX 771 ; N a194 ; B 34 37 736 655 ;
C 247 ; WX 888 ; N a198 ; B 34 -19 853 712 ;
C 248 ; WX 967 ; N a186 ; B 35 124 932 568 ;
C 249 ; WX 888 ; N a195 ; B 34 -19 853 712 ;
C 250 ; WX 831 ; N a187 ; B 35 113 796 579 ;
C 251 ; WX 873 ; N a188 ; B 36 118 838 578 ;
C 252 ; WX 927 ; N a189 ; B 35 150 891 542 ;
C 253 ; WX 970 ; N a190 ; B 35 76 931 616 ;
C 254 ; WX 918 ; N a191 ; B 34 99 884 593 ;

EndCharMetrics

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ItalicAngle -15.5

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -169 -217 1010 883

UnderlinePosition -100

UnderlineThickness 50

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EncodingScheme AdobeStandardEncoding

CapHeight 653

XHeight 441

Ascender 683

Descender -217

StdHW 32

StdVW 76

StartCharMetrics 315

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C 35 ; WX 500 ; N numbersign ; B 2 0 540 676 ;

C 36 ; WX 500 ; N dollar ; B 31 -89 497 731 ;

C 37 ; WX 833 ; N percent ; B 79 -13 790 676 ;

C 38 ; WX 778 ; N ampersand ; B 76 -18 723 666 ;

C 39 ; WX 333 ; N quoteright ; B 151 436 290 666 ;

C 40 ; WX 333 ; N parenleft ; B 42 -181 315 669 ;

C 41 ; WX 333 ; N parenright ; B 16 -180 289 669 ;

C 42 ; WX 500 ; N asterisk ; B 128 255 492 666 ;

C 43 ; WX 675 ; N plus ; B 86 0 590 506 ;

C 44 ; WX 250 ; N comma ; B -4 -129 135 101 ;

C 45 ; WX 333 ; N hyphen ; B 49 192 282 255 ;

C 46 ; WX 250 ; N period ; B 27 -11 138 100 ;

C 47 ; WX 278 ; N slash ; B -65 -18 386 666 ;

C 48 ; WX 500 ; N zero ; B 32 -7 497 676 ;

C 49 ; WX 500 ; N one ; B 49 0 409 676 ;

C 50 ; WX 500 ; N two ; B 12 0 452 676 ;

C 51 ; WX 500 ; N three ; B 15 -7 465 676 ;

C 52 ; WX 500 ; N four ; B 1 0 479 676 ;

C 53 ; WX 500 ; N five ; B 15 -7 491 666 ;

C 54 ; WX 500 ; N six ; B 30 -7 521 686 ;

C 55 ; WX 500 ; N seven ; B 75 -8 537 666 ;

C 56 ; WX 500 ; N eight ; B 30 -7 493 676 ;

C 57 ; WX 500 ; N nine ; B 23 -17 492 676 ;

C 58 ; WX 333 ; N colon ; B 50 -11 261 441 ;

C 59 ; WX 333 ; N semicolon ; B 27 -129 261 441 ;

C 60 ; WX 675 ; N less ; B 84 -8 592 514 ;

C 61 ; WX 675 ; N equal ; B 86 120 590 386 ;

C 62 ; WX 675 ; N greater ; B 84 -8 592 514 ;

C 63 ; WX 500 ; N question ; B 132 -12 472 664 ;

C 64 ; WX 920 ; N at ; B 118 -18 806 666 ;

C 65 ; WX 611 ; N A ; B -51 0 564 668 ;

C 66 ; WX 611 ; N B ; B -8 0 588 653 ;

C 67 ; WX 667 ; N C ; B 66 -18 689 666 ;

C 68 ; WX 722 ; N D ; B -8 0 700 653 ;

C 69 ; WX 611 ; N E ; B -1 0 634 653 ;

C 70 ; WX 611 ; N F ; B 8 0 645 653 ;

C 71 ; WX 722 ; N G ; B 52 -18 722 666 ;

C 72 ; WX 722 ; N H ; B -8 0 767 653 ;
C 73 ; WX 333 ; N I ; B -8 0 384 653 ;
C 74 ; WX 444 ; N J ; B -6 -18 491 653 ;
C 75 ; WX 667 ; N K ; B 7 0 722 653 ;
C 76 ; WX 556 ; N L ; B -8 0 559 653 ;
C 77 ; WX 833 ; N M ; B -18 0 873 653 ;
C 78 ; WX 667 ; N N ; B -20 -15 727 653 ;
C 79 ; WX 722 ; N O ; B 60 -18 699 666 ;
C 80 ; WX 611 ; N P ; B 0 0 605 653 ;
C 81 ; WX 722 ; N Q ; B 59 -182 699 666 ;
C 82 ; WX 611 ; N R ; B -13 0 588 653 ;
C 83 ; WX 500 ; N S ; B 17 -18 508 667 ;
C 84 ; WX 556 ; N T ; B 59 0 633 653 ;
C 85 ; WX 722 ; N U ; B 102 -18 765 653 ;
C 86 ; WX 611 ; N V ; B 76 -18 688 653 ;
C 87 ; WX 833 ; N W ; B 71 -18 906 653 ;
C 88 ; WX 611 ; N X ; B -29 0 655 653 ;
C 89 ; WX 556 ; N Y ; B 78 0 633 653 ;
C 90 ; WX 556 ; N Z ; B -6 0 606 653 ;
C 91 ; WX 389 ; N bracketleft ; B 21 -153 391 663 ;
C 92 ; WX 278 ; N backslash ; B -41 -18 319 666 ;
C 93 ; WX 389 ; N bracketright ; B 12 -153 382 663 ;
C 94 ; WX 422 ; N asciicircum ; B 0 301 422 666 ;
C 95 ; WX 500 ; N underscore ; B 0 -125 500 -75 ;
C 96 ; WX 333 ; N quoteleft ; B 171 436 310 666 ;
C 97 ; WX 500 ; N a ; B 17 -11 476 441 ;
C 98 ; WX 500 ; N b ; B 23 -11 473 683 ;
C 99 ; WX 444 ; N c ; B 30 -11 425 441 ;
C 100 ; WX 500 ; N d ; B 15 -13 527 683 ;
C 101 ; WX 444 ; N e ; B 31 -11 412 441 ;
C 102 ; WX 278 ; N f ; B -147 -207 424 678 ; L i f i ; L l f l ;
C 103 ; WX 500 ; N g ; B 8 -206 472 441 ;
C 104 ; WX 500 ; N h ; B 19 -9 478 683 ;
C 105 ; WX 278 ; N i ; B 49 -11 264 654 ;
C 106 ; WX 278 ; N j ; B -124 -207 276 654 ;
C 107 ; WX 444 ; N k ; B 14 -11 461 683 ;
C 108 ; WX 278 ; N l ; B 41 -11 279 683 ;
C 109 ; WX 722 ; N m ; B 12 -9 704 441 ;
C 110 ; WX 500 ; N n ; B 14 -9 474 441 ;
C 111 ; WX 500 ; N o ; B 27 -11 468 441 ;
C 112 ; WX 500 ; N p ; B -75 -205 469 441 ;
C 113 ; WX 500 ; N q ; B 25 -209 483 441 ;
C 114 ; WX 389 ; N r ; B 45 0 412 441 ;
C 115 ; WX 389 ; N s ; B 16 -13 366 442 ;
C 116 ; WX 278 ; N t ; B 37 -11 296 546 ;
C 117 ; WX 500 ; N u ; B 42 -11 475 441 ;
C 118 ; WX 444 ; N v ; B 21 -18 426 441 ;
C 119 ; WX 667 ; N w ; B 16 -18 648 441 ;

C 120 ; WX 444 ; N x ; B -27 -11 447 441 ;
C 121 ; WX 444 ; N y ; B -24 -206 426 441 ;
C 122 ; WX 389 ; N z ; B -2 -81 380 428 ;
C 123 ; WX 400 ; N braceleft ; B 51 -177 407 687 ;
C 124 ; WX 275 ; N bar ; B 105 -217 171 783 ;
C 125 ; WX 400 ; N braceright ; B -7 -177 349 687 ;
C 126 ; WX 541 ; N asciitilde ; B 40 183 502 323 ;
C 161 ; WX 389 ; N exclamdown ; B 59 -205 322 473 ;
C 162 ; WX 500 ; N cent ; B 77 -143 472 560 ;
C 163 ; WX 500 ; N sterling ; B 10 -6 517 670 ;
C 164 ; WX 167 ; N fraction ; B -169 -10 337 676 ;
C 165 ; WX 500 ; N yen ; B 27 0 603 653 ;
C 166 ; WX 500 ; N florin ; B 25 -182 507 682 ;
C 167 ; WX 500 ; N section ; B 53 -162 461 666 ;
C 168 ; WX 500 ; N currency ; B -22 53 522 597 ;
C 169 ; WX 214 ; N quotesingle ; B 132 421 241 666 ;
C 170 ; WX 556 ; N quotedblleft ; B 166 436 514 666 ;
C 171 ; WX 500 ; N guillemotleft ; B 53 37 445 403 ;
C 172 ; WX 333 ; N guilsinglleft ; B 51 37 281 403 ;
C 173 ; WX 333 ; N guilsinglright ; B 52 37 282 403 ;
C 174 ; WX 500 ; N fi ; B -141 -207 481 681 ;
C 175 ; WX 500 ; N fl ; B -141 -204 518 682 ;
C 177 ; WX 500 ; N endash ; B -6 197 505 243 ;
C 178 ; WX 500 ; N dagger ; B 101 -159 488 666 ;
C 179 ; WX 500 ; N daggerdbl ; B 22 -143 491 666 ;
C 180 ; WX 250 ; N periodcentered ; B 70 199 181 310 ;
C 182 ; WX 523 ; N paragraph ; B 55 -123 616 653 ;
C 183 ; WX 350 ; N bullet ; B 40 191 310 461 ;
C 184 ; WX 333 ; N quotesinglbase ; B 44 -129 183 101 ;
C 185 ; WX 556 ; N quotedblbase ; B 57 -129 405 101 ;
C 186 ; WX 556 ; N quotedblright ; B 151 436 499 666 ;
C 187 ; WX 500 ; N guillemotright ; B 55 37 447 403 ;
C 188 ; WX 889 ; N ellipsis ; B 57 -11 762 100 ;
C 189 ; WX 1000 ; N perthousand ; B 25 -19 1010 706 ;
C 191 ; WX 500 ; N questiondown ; B 28 -205 368 471 ;
C 193 ; WX 333 ; N grave ; B 121 492 311 664 ;
C 194 ; WX 333 ; N acute ; B 180 494 403 664 ;
C 195 ; WX 333 ; N circumflex ; B 91 492 385 661 ;
C 196 ; WX 333 ; N tilde ; B 100 517 427 624 ;
C 197 ; WX 333 ; N macron ; B 99 532 411 583 ;
C 198 ; WX 333 ; N breve ; B 117 492 418 650 ;
C 199 ; WX 333 ; N dotaccent ; B 207 548 305 646 ;
C 200 ; WX 333 ; N dieresis ; B 107 548 405 646 ;
C 202 ; WX 333 ; N ring ; B 155 492 355 691 ;
C 203 ; WX 333 ; N cedilla ; B -30 -217 182 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B 93 494 486 664 ;
C 206 ; WX 333 ; N ogonek ; B 20 -169 203 40 ;
C 207 ; WX 333 ; N caron ; B 121 492 426 661 ;

C 208 ; WX 889 ; N emdash ; B -6 197 894 243 ;
C 225 ; WX 889 ; N AE ; B -27 0 911 653 ;
C 227 ; WX 276 ; N ordfeminine ; B 42 406 352 676 ;
C 232 ; WX 556 ; N Lslash ; B -8 0 559 653 ;
C 233 ; WX 722 ; N Oslash ; B 60 -105 699 722 ;
C 234 ; WX 944 ; N OE ; B 49 -8 964 666 ;
C 235 ; WX 310 ; N ordmasculine ; B 67 406 362 676 ;
C 241 ; WX 667 ; N ae ; B 23 -11 640 441 ;
C 245 ; WX 278 ; N dotlessi ; B 49 -11 235 441 ;
C 248 ; WX 278 ; N lslash ; B 41 -11 312 683 ;
C 249 ; WX 500 ; N oslash ; B 28 -135 469 554 ;
C 250 ; WX 667 ; N oe ; B 20 -12 646 441 ;
C 251 ; WX 500 ; N germandbls ; B -168 -207 493 679 ;
C -1 ; WX 333 ; N Idieresis ; B -8 0 435 818 ;
C -1 ; WX 444 ; N eacute ; B 31 -11 459 664 ;
C -1 ; WX 500 ; N abreve ; B 17 -11 502 650 ;
C -1 ; WX 500 ; N uhungarumlaut ; B 42 -11 580 664 ;
C -1 ; WX 444 ; N ecaron ; B 31 -11 482 661 ;
C -1 ; WX 556 ; N Ydieresis ; B 78 0 633 818 ;
C -1 ; WX 675 ; N divide ; B 86 -11 590 517 ;
C -1 ; WX 556 ; N Yacute ; B 78 0 633 876 ;
C -1 ; WX 611 ; N Acircumflex ; B -51 0 564 873 ;
C -1 ; WX 500 ; N aacute ; B 17 -11 487 664 ;
C -1 ; WX 722 ; N Ucircumflex ; B 102 -18 765 873 ;
C -1 ; WX 444 ; N yacute ; B -24 -206 459 664 ;
C -1 ; WX 389 ; N scommaaccent ; B 16 -217 366 442 ;
C -1 ; WX 444 ; N ecircumflex ; B 31 -11 441 661 ;
C -1 ; WX 722 ; N Uring ; B 102 -18 765 883 ;
C -1 ; WX 722 ; N Udieresis ; B 102 -18 765 818 ;
C -1 ; WX 500 ; N aogonek ; B 17 -169 476 441 ;
C -1 ; WX 722 ; N Uacute ; B 102 -18 765 876 ;
C -1 ; WX 500 ; N uogonek ; B 42 -169 477 441 ;
C -1 ; WX 611 ; N Edieresis ; B -1 0 634 818 ;
C -1 ; WX 722 ; N Dcroat ; B -8 0 700 653 ;
C -1 ; WX 250 ; N commaaccent ; B 8 -217 133 -50 ;
C -1 ; WX 760 ; N copyright ; B 41 -18 719 666 ;
C -1 ; WX 611 ; N Emacron ; B -1 0 634 795 ;
C -1 ; WX 444 ; N ccaron ; B 30 -11 482 661 ;
C -1 ; WX 500 ; N aring ; B 17 -11 476 691 ;
C -1 ; WX 667 ; N Ncommaaccent ; B -20 -187 727 653 ;
C -1 ; WX 278 ; N lacute ; B 41 -11 395 876 ;
C -1 ; WX 500 ; N agrave ; B 17 -11 476 664 ;
C -1 ; WX 556 ; N Tcommaaccent ; B 59 -217 633 653 ;
C -1 ; WX 667 ; N Cacute ; B 66 -18 690 876 ;
C -1 ; WX 500 ; N atilde ; B 17 -11 511 624 ;
C -1 ; WX 611 ; N Edotaccent ; B -1 0 634 818 ;
C -1 ; WX 389 ; N scaron ; B 16 -13 454 661 ;
C -1 ; WX 389 ; N scedilla ; B 16 -217 366 442 ;

C -1 ; WX 278 ; N iacute ; B 49 -11 355 664 ;
C -1 ; WX 471 ; N lozenge ; B 13 0 459 724 ;
C -1 ; WX 611 ; N Rcaron ; B -13 0 588 873 ;
C -1 ; WX 722 ; N Gcommaaccent ; B 52 -217 722 666 ;
C -1 ; WX 500 ; N ucircumflex ; B 42 -11 475 661 ;
C -1 ; WX 500 ; N acircumflex ; B 17 -11 476 661 ;
C -1 ; WX 611 ; N Amacron ; B -51 0 564 795 ;
C -1 ; WX 389 ; N rcaron ; B 45 0 434 661 ;
C -1 ; WX 444 ; N ccedilla ; B 30 -217 425 441 ;
C -1 ; WX 556 ; N Zdotaccent ; B -6 0 606 818 ;
C -1 ; WX 611 ; N Thorn ; B 0 0 569 653 ;
C -1 ; WX 722 ; N Omacron ; B 60 -18 699 795 ;
C -1 ; WX 611 ; N Racute ; B -13 0 588 876 ;
C -1 ; WX 500 ; N Sacute ; B 17 -18 508 876 ;
C -1 ; WX 544 ; N dcaron ; B 15 -13 658 683 ;
C -1 ; WX 722 ; N Umacron ; B 102 -18 765 795 ;
C -1 ; WX 500 ; N uring ; B 42 -11 475 691 ;
C -1 ; WX 300 ; N threesuperior ; B 43 268 339 676 ;
C -1 ; WX 722 ; N Ograve ; B 60 -18 699 876 ;
C -1 ; WX 611 ; N Agrave ; B -51 0 564 876 ;
C -1 ; WX 611 ; N Abreve ; B -51 0 564 862 ;
C -1 ; WX 675 ; N multiply ; B 93 8 582 497 ;
C -1 ; WX 500 ; N uacute ; B 42 -11 477 664 ;
C -1 ; WX 556 ; N Tcaron ; B 59 0 633 873 ;
C -1 ; WX 476 ; N partialdiff ; B 17 -38 459 710 ;
C -1 ; WX 444 ; N ydieresis ; B -24 -206 441 606 ;
C -1 ; WX 667 ; N Nacute ; B -20 -15 727 876 ;
C -1 ; WX 278 ; N icircumflex ; B 33 -11 327 661 ;
C -1 ; WX 611 ; N Ecircumflex ; B -1 0 634 873 ;
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C -1 ; WX 444 ; N edieresis ; B 31 -11 451 606 ;
C -1 ; WX 444 ; N cacute ; B 30 -11 459 664 ;
C -1 ; WX 500 ; N nacute ; B 14 -9 477 664 ;
C -1 ; WX 500 ; N umacron ; B 42 -11 485 583 ;
C -1 ; WX 667 ; N Ncaron ; B -20 -15 727 873 ;
C -1 ; WX 333 ; N Iacute ; B -8 0 433 876 ;
C -1 ; WX 675 ; N plusminus ; B 86 0 590 506 ;
C -1 ; WX 275 ; N brokenbar ; B 105 -142 171 708 ;
C -1 ; WX 760 ; N registered ; B 41 -18 719 666 ;
C -1 ; WX 722 ; N Gbreve ; B 52 -18 722 862 ;
C -1 ; WX 333 ; N Idotaccent ; B -8 0 384 818 ;
C -1 ; WX 600 ; N summation ; B 15 -10 585 706 ;
C -1 ; WX 611 ; N Egrave ; B -1 0 634 876 ;
C -1 ; WX 389 ; N racute ; B 45 0 431 664 ;
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C -1 ; WX 556 ; N Zacute ; B -6 0 606 876 ;
C -1 ; WX 556 ; N Zcaron ; B -6 0 606 873 ;
C -1 ; WX 549 ; N greaterequal ; B 26 0 523 658 ;

C -1 ; WX 722 ; N Eth ; B -8 0 700 653 ;
C -1 ; WX 667 ; N Ccedilla ; B 66 -217 689 666 ;
C -1 ; WX 278 ; N lcommaaccent ; B 22 -217 279 683 ;
C -1 ; WX 300 ; N tcaron ; B 37 -11 407 681 ;
C -1 ; WX 444 ; N eogonek ; B 31 -169 412 441 ;
C -1 ; WX 722 ; N Uogonek ; B 102 -184 765 653 ;
C -1 ; WX 611 ; N Aacute ; B -51 0 564 876 ;
C -1 ; WX 611 ; N Adieresis ; B -51 0 564 818 ;
C -1 ; WX 444 ; N egrave ; B 31 -11 412 664 ;
C -1 ; WX 389 ; N zacute ; B -2 -81 431 664 ;
C -1 ; WX 278 ; N iogonek ; B 49 -169 264 654 ;
C -1 ; WX 722 ; N Oacute ; B 60 -18 699 876 ;
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C -1 ; WX 500 ; N amacron ; B 17 -11 495 583 ;
C -1 ; WX 389 ; N sacute ; B 16 -13 431 664 ;
C -1 ; WX 278 ; N idieresis ; B 49 -11 352 606 ;
C -1 ; WX 722 ; N Ocircumflex ; B 60 -18 699 873 ;
C -1 ; WX 722 ; N Ugrave ; B 102 -18 765 876 ;
C -1 ; WX 612 ; N Delta ; B 6 0 608 688 ;
C -1 ; WX 500 ; N thorn ; B -75 -205 469 683 ;
C -1 ; WX 300 ; N twosuperior ; B 33 271 324 676 ;
C -1 ; WX 722 ; N Odieresis ; B 60 -18 699 818 ;
C -1 ; WX 500 ; N mu ; B -30 -209 497 428 ;
C -1 ; WX 278 ; N igrave ; B 49 -11 284 664 ;
C -1 ; WX 500 ; N ohungarumlaut ; B 27 -11 590 664 ;
C -1 ; WX 611 ; N Eogonek ; B -1 -169 634 653 ;
C -1 ; WX 500 ; N dcroat ; B 15 -13 572 683 ;
C -1 ; WX 750 ; N threequarters ; B 23 -10 736 676 ;
C -1 ; WX 500 ; N Scedilla ; B 17 -217 508 667 ;
C -1 ; WX 300 ; N lcaron ; B 41 -11 407 683 ;
C -1 ; WX 667 ; N Kcommaaccent ; B 7 -217 722 653 ;
C -1 ; WX 556 ; N Lacute ; B -8 0 559 876 ;
C -1 ; WX 980 ; N trademark ; B 30 247 957 653 ;
C -1 ; WX 444 ; N edotaccent ; B 31 -11 412 606 ;
C -1 ; WX 333 ; N Igrave ; B -8 0 384 876 ;
C -1 ; WX 333 ; N Imacron ; B -8 0 441 795 ;
C -1 ; WX 611 ; N Lcaron ; B -8 0 586 653 ;
C -1 ; WX 750 ; N onehalf ; B 34 -10 749 676 ;
C -1 ; WX 549 ; N lessequal ; B 26 0 523 658 ;
C -1 ; WX 500 ; N ocircumflex ; B 27 -11 468 661 ;
C -1 ; WX 500 ; N ntilde ; B 14 -9 476 624 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 102 -18 765 876 ;
C -1 ; WX 611 ; N Eacute ; B -1 0 634 876 ;
C -1 ; WX 444 ; N emacron ; B 31 -11 457 583 ;
C -1 ; WX 500 ; N gbreve ; B 8 -206 487 650 ;
C -1 ; WX 750 ; N onequarter ; B 33 -10 736 676 ;
C -1 ; WX 500 ; N Scaron ; B 17 -18 520 873 ;
C -1 ; WX 500 ; N Scommaaccent ; B 17 -217 508 667 ;

C -1 ; WX 722 ; N Ohungarumlaut ; B 60 -18 699 876 ;
C -1 ; WX 400 ; N degree ; B 101 390 387 676 ;
C -1 ; WX 500 ; N ograve ; B 27 -11 468 664 ;
C -1 ; WX 667 ; N Ccaron ; B 66 -18 689 873 ;
C -1 ; WX 500 ; N ugrave ; B 42 -11 475 664 ;
C -1 ; WX 453 ; N radical ; B 2 -60 452 768 ;
C -1 ; WX 722 ; N Dcaron ; B -8 0 700 873 ;
C -1 ; WX 389 ; N rcommaaccent ; B -3 -217 412 441 ;
C -1 ; WX 667 ; N Ntilde ; B -20 -15 727 836 ;
C -1 ; WX 500 ; N otilde ; B 27 -11 496 624 ;
C -1 ; WX 611 ; N Rcommaaccent ; B -13 -187 588 653 ;
C -1 ; WX 556 ; N Lcommaaccent ; B -8 -217 559 653 ;
C -1 ; WX 611 ; N Atilde ; B -51 0 566 836 ;
C -1 ; WX 611 ; N Aogonek ; B -51 -169 566 668 ;
C -1 ; WX 611 ; N Aring ; B -51 0 564 883 ;
C -1 ; WX 722 ; N Otilde ; B 60 -18 699 836 ;
C -1 ; WX 389 ; N zdotaccent ; B -2 -81 380 606 ;
C -1 ; WX 611 ; N Ecaron ; B -1 0 634 873 ;
C -1 ; WX 333 ; N Iogonek ; B -8 -169 384 653 ;
C -1 ; WX 444 ; N kcommaaccent ; B 14 -187 461 683 ;
C -1 ; WX 675 ; N minus ; B 86 220 590 286 ;
C -1 ; WX 333 ; N Icircumflex ; B -8 0 425 873 ;
C -1 ; WX 500 ; N ncaron ; B 14 -9 510 661 ;
C -1 ; WX 278 ; N tcommaaccent ; B 2 -217 296 546 ;
C -1 ; WX 675 ; N logicalnot ; B 86 108 590 386 ;
C -1 ; WX 500 ; N odieresis ; B 27 -11 489 606 ;
C -1 ; WX 500 ; N udieresis ; B 42 -11 479 606 ;
C -1 ; WX 549 ; N notequal ; B 12 -29 537 541 ;
C -1 ; WX 500 ; N gcommaaccent ; B 8 -206 472 706 ;
C -1 ; WX 500 ; N eth ; B 27 -11 482 683 ;
C -1 ; WX 389 ; N zcaron ; B -2 -81 434 661 ;
C -1 ; WX 500 ; N ncommaaccent ; B 14 -187 474 441 ;
C -1 ; WX 300 ; N onesuperior ; B 43 271 284 676 ;
C -1 ; WX 278 ; N imacron ; B 46 -11 311 583 ;
C -1 ; WX 500 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

StartKernData

StartKernPairs 2321

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KPX r egrave -37
KPX r emacron -37
KPX r eogonek -37
KPX r g -37
KPX r gbreve -37
KPX r gcommaaccent -37
KPX r hyphen -20
KPX r o -45
KPX r oacute -45
KPX r ocircumflex -45
KPX r odieresis -45
KPX r ograve -45
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KPX r omacron -45
KPX r oslash -45
KPX r otilde -45
KPX r period -111
KPX r q -37
KPX r s -10
KPX r sacute -10
KPX r scaron -10
KPX r scedilla -10
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KPX racute aacute -15
KPX racute abreve -15
KPX racute acircumflex -15
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KPX racute atilde -15
KPX racute c -37
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KPX racute ccaron -37
KPX racute ccedilla -37
KPX racute comma -111

KPX racute d -37
KPX racute dcroat -37
KPX racute e -37
KPX racute eacute -37
KPX racute ecaron -37
KPX racute ecircumflex -37
KPX racute edieresis -37
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KPX racute eogonek -37
KPX racute g -37
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KPX racute ocircumflex -45
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KPX racute period -111
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KPX rcaron ccaron -37
KPX rcaron ccedilla -37
KPX rcaron comma -111
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KPX rcaron dcroat -37

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KPX space T -18
KPX space Tcaron -18
KPX space Tcommaaccent -18
KPX space V -35
KPX space W -40
KPX space Y -75
KPX space Yacute -75
KPX space Ydieresis -75
KPX v comma -74
KPX v period -74
KPX w comma -74

KPX w period -74
KPX y comma -55
KPX y period -55
KPX yacute comma -55
KPX yacute period -55
KPX ydieresis comma -55
KPX ydieresis period -55
EndKernPairs
EndKernData
EndFontMetrics

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

StartFontMetrics 4.1

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Comment Creation Date: Thu May 1 12:43:52 1997

Comment UniqueID 43052

Comment VMusage 37169 48194

FontName Helvetica-Bold

FullName Helvetica Bold

FamilyName Helvetica

Weight Bold

ItalicAngle 0

IsFixedPitch false

CharacterSet ExtendedRoman

FontBBox -170 -228 1003 962

UnderlinePosition -100

UnderlineThickness 50

Version 002.000

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EncodingScheme AdobeStandardEncoding

CapHeight 718

XHeight 532

Ascender 718

Descender -207

StdHW 118

StdVW 140

StartCharMetrics 315

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C 33 ; WX 333 ; N exclam ; B 90 0 244 718 ;

C 34 ; WX 474 ; N quotedbl ; B 98 447 376 718 ;

C 35 ; WX 556 ; N numbersign ; B 18 0 538 698 ;

C 36 ; WX 556 ; N dollar ; B 30 -115 523 775 ;

C 37 ; WX 889 ; N percent ; B 28 -19 861 710 ;

C 38 ; WX 722 ; N ampersand ; B 54 -19 701 718 ;

C 39 ; WX 278 ; N quoteright ; B 69 445 209 718 ;
C 40 ; WX 333 ; N parenleft ; B 35 -208 314 734 ;
C 41 ; WX 333 ; N parenright ; B 19 -208 298 734 ;
C 42 ; WX 389 ; N asterisk ; B 27 387 362 718 ;
C 43 ; WX 584 ; N plus ; B 40 0 544 506 ;
C 44 ; WX 278 ; N comma ; B 64 -168 214 146 ;
C 45 ; WX 333 ; N hyphen ; B 27 215 306 345 ;
C 46 ; WX 278 ; N period ; B 64 0 214 146 ;
C 47 ; WX 278 ; N slash ; B -33 -19 311 737 ;
C 48 ; WX 556 ; N zero ; B 32 -19 524 710 ;
C 49 ; WX 556 ; N one ; B 69 0 378 710 ;
C 50 ; WX 556 ; N two ; B 26 0 511 710 ;
C 51 ; WX 556 ; N three ; B 27 -19 516 710 ;
C 52 ; WX 556 ; N four ; B 27 0 526 710 ;
C 53 ; WX 556 ; N five ; B 27 -19 516 698 ;
C 54 ; WX 556 ; N six ; B 31 -19 520 710 ;
C 55 ; WX 556 ; N seven ; B 25 0 528 698 ;
C 56 ; WX 556 ; N eight ; B 32 -19 524 710 ;
C 57 ; WX 556 ; N nine ; B 30 -19 522 710 ;
C 58 ; WX 333 ; N colon ; B 92 0 242 512 ;
C 59 ; WX 333 ; N semicolon ; B 92 -168 242 512 ;
C 60 ; WX 584 ; N less ; B 38 -8 546 514 ;
C 61 ; WX 584 ; N equal ; B 40 87 544 419 ;
C 62 ; WX 584 ; N greater ; B 38 -8 546 514 ;
C 63 ; WX 611 ; N question ; B 60 0 556 727 ;
C 64 ; WX 975 ; N at ; B 118 -19 856 737 ;
C 65 ; WX 722 ; N A ; B 20 0 702 718 ;
C 66 ; WX 722 ; N B ; B 76 0 669 718 ;
C 67 ; WX 722 ; N C ; B 44 -19 684 737 ;
C 68 ; WX 722 ; N D ; B 76 0 685 718 ;
C 69 ; WX 667 ; N E ; B 76 0 621 718 ;
C 70 ; WX 611 ; N F ; B 76 0 587 718 ;
C 71 ; WX 778 ; N G ; B 44 -19 713 737 ;
C 72 ; WX 722 ; N H ; B 71 0 651 718 ;
C 73 ; WX 278 ; N I ; B 64 0 214 718 ;
C 74 ; WX 556 ; N J ; B 22 -18 484 718 ;
C 75 ; WX 722 ; N K ; B 87 0 722 718 ;
C 76 ; WX 611 ; N L ; B 76 0 583 718 ;
C 77 ; WX 833 ; N M ; B 69 0 765 718 ;
C 78 ; WX 722 ; N N ; B 69 0 654 718 ;
C 79 ; WX 778 ; N O ; B 44 -19 734 737 ;
C 80 ; WX 667 ; N P ; B 76 0 627 718 ;
C 81 ; WX 778 ; N Q ; B 44 -52 737 737 ;
C 82 ; WX 722 ; N R ; B 76 0 677 718 ;
C 83 ; WX 667 ; N S ; B 39 -19 629 737 ;
C 84 ; WX 611 ; N T ; B 14 0 598 718 ;
C 85 ; WX 722 ; N U ; B 72 -19 651 718 ;
C 86 ; WX 667 ; N V ; B 19 0 648 718 ;

C 87 ; WX 944 ; N W ; B 16 0 929 718 ;
C 88 ; WX 667 ; N X ; B 14 0 653 718 ;
C 89 ; WX 667 ; N Y ; B 15 0 653 718 ;
C 90 ; WX 611 ; N Z ; B 25 0 586 718 ;
C 91 ; WX 333 ; N bracketleft ; B 63 -196 309 722 ;
C 92 ; WX 278 ; N backslash ; B -33 -19 311 737 ;
C 93 ; WX 333 ; N bracketright ; B 24 -196 270 722 ;
C 94 ; WX 584 ; N asciicircum ; B 62 323 522 698 ;
C 95 ; WX 556 ; N underscore ; B 0 -125 556 -75 ;
C 96 ; WX 278 ; N quoteleft ; B 69 454 209 727 ;
C 97 ; WX 556 ; N a ; B 29 -14 527 546 ;
C 98 ; WX 611 ; N b ; B 61 -14 578 718 ;
C 99 ; WX 556 ; N c ; B 34 -14 524 546 ;
C 100 ; WX 611 ; N d ; B 34 -14 551 718 ;
C 101 ; WX 556 ; N e ; B 23 -14 528 546 ;
C 102 ; WX 333 ; N f ; B 10 0 318 727 ; L i f i ; L l f l ;
C 103 ; WX 611 ; N g ; B 40 -217 553 546 ;
C 104 ; WX 611 ; N h ; B 65 0 546 718 ;
C 105 ; WX 278 ; N i ; B 69 0 209 725 ;
C 106 ; WX 278 ; N j ; B 3 -214 209 725 ;
C 107 ; WX 556 ; N k ; B 69 0 562 718 ;
C 108 ; WX 278 ; N l ; B 69 0 209 718 ;
C 109 ; WX 889 ; N m ; B 64 0 826 546 ;
C 110 ; WX 611 ; N n ; B 65 0 546 546 ;
C 111 ; WX 611 ; N o ; B 34 -14 578 546 ;
C 112 ; WX 611 ; N p ; B 62 -207 578 546 ;
C 113 ; WX 611 ; N q ; B 34 -207 552 546 ;
C 114 ; WX 389 ; N r ; B 64 0 373 546 ;
C 115 ; WX 556 ; N s ; B 30 -14 519 546 ;
C 116 ; WX 333 ; N t ; B 10 -6 309 676 ;
C 117 ; WX 611 ; N u ; B 66 -14 545 532 ;
C 118 ; WX 556 ; N v ; B 13 0 543 532 ;
C 119 ; WX 778 ; N w ; B 10 0 769 532 ;
C 120 ; WX 556 ; N x ; B 15 0 541 532 ;
C 121 ; WX 556 ; N y ; B 10 -214 539 532 ;
C 122 ; WX 500 ; N z ; B 20 0 480 532 ;
C 123 ; WX 389 ; N braceleft ; B 48 -196 365 722 ;
C 124 ; WX 280 ; N bar ; B 84 -225 196 775 ;
C 125 ; WX 389 ; N braceright ; B 24 -196 341 722 ;
C 126 ; WX 584 ; N asciitilde ; B 61 163 523 343 ;
C 161 ; WX 333 ; N exclamdown ; B 90 -186 244 532 ;
C 162 ; WX 556 ; N cent ; B 34 -118 524 628 ;
C 163 ; WX 556 ; N sterling ; B 28 -16 541 718 ;
C 164 ; WX 167 ; N fraction ; B -170 -19 336 710 ;
C 165 ; WX 556 ; N yen ; B -9 0 565 698 ;
C 166 ; WX 556 ; N florin ; B -10 -210 516 737 ;
C 167 ; WX 556 ; N section ; B 34 -184 522 727 ;
C 168 ; WX 556 ; N currency ; B -3 76 559 636 ;

C 169 ; WX 238 ; N quotesingle ; B 70 447 168 718 ;
C 170 ; WX 500 ; N quotedblleft ; B 64 454 436 727 ;
C 171 ; WX 556 ; N guillemotleft ; B 88 76 468 484 ;
C 172 ; WX 333 ; N guilsinglleft ; B 83 76 250 484 ;
C 173 ; WX 333 ; N guilsinglright ; B 83 76 250 484 ;
C 174 ; WX 611 ; N fi ; B 10 0 542 727 ;
C 175 ; WX 611 ; N fl ; B 10 0 542 727 ;
C 177 ; WX 556 ; N endash ; B 0 227 556 333 ;
C 178 ; WX 556 ; N dagger ; B 36 -171 520 718 ;
C 179 ; WX 556 ; N daggerdbl ; B 36 -171 520 718 ;
C 180 ; WX 278 ; N periodcentered ; B 58 172 220 334 ;
C 182 ; WX 556 ; N paragraph ; B -8 -191 539 700 ;
C 183 ; WX 350 ; N bullet ; B 10 194 340 524 ;
C 184 ; WX 278 ; N quotesinglbase ; B 69 -146 209 127 ;
C 185 ; WX 500 ; N quotedblbase ; B 64 -146 436 127 ;
C 186 ; WX 500 ; N quotedblright ; B 64 445 436 718 ;
C 187 ; WX 556 ; N guillemotright ; B 88 76 468 484 ;
C 188 ; WX 1000 ; N ellipsis ; B 92 0 908 146 ;
C 189 ; WX 1000 ; N perthousand ; B -3 -19 1003 710 ;
C 191 ; WX 611 ; N questiondown ; B 55 -195 551 532 ;
C 193 ; WX 333 ; N grave ; B -23 604 225 750 ;
C 194 ; WX 333 ; N acute ; B 108 604 356 750 ;
C 195 ; WX 333 ; N circumflex ; B -10 604 343 750 ;
C 196 ; WX 333 ; N tilde ; B -17 610 350 737 ;
C 197 ; WX 333 ; N macron ; B -6 604 339 678 ;
C 198 ; WX 333 ; N breve ; B -2 604 335 750 ;
C 199 ; WX 333 ; N dotaccent ; B 104 614 230 729 ;
C 200 ; WX 333 ; N dieresis ; B 6 614 327 729 ;
C 202 ; WX 333 ; N ring ; B 59 568 275 776 ;
C 203 ; WX 333 ; N cedilla ; B 6 -228 245 0 ;
C 205 ; WX 333 ; N hungarumlaut ; B 9 604 486 750 ;
C 206 ; WX 333 ; N ogonek ; B 71 -228 304 0 ;
C 207 ; WX 333 ; N caron ; B -10 604 343 750 ;
C 208 ; WX 1000 ; N emdash ; B 0 227 1000 333 ;
C 225 ; WX 1000 ; N AE ; B 5 0 954 718 ;
C 227 ; WX 370 ; N ordfeminine ; B 22 401 347 737 ;
C 232 ; WX 611 ; N Lslash ; B -20 0 583 718 ;
C 233 ; WX 778 ; N Oslash ; B 33 -27 744 745 ;
C 234 ; WX 1000 ; N OE ; B 37 -19 961 737 ;
C 235 ; WX 365 ; N ordmasculine ; B 6 401 360 737 ;
C 241 ; WX 889 ; N ae ; B 29 -14 858 546 ;
C 245 ; WX 278 ; N dotlessi ; B 69 0 209 532 ;
C 248 ; WX 278 ; N lslash ; B -18 0 296 718 ;
C 249 ; WX 611 ; N oslash ; B 22 -29 589 560 ;
C 250 ; WX 944 ; N oe ; B 34 -14 912 546 ;
C 251 ; WX 611 ; N germandbls ; B 69 -14 579 731 ;
C -1 ; WX 278 ; N Idieresis ; B -21 0 300 915 ;
C -1 ; WX 556 ; N eacute ; B 23 -14 528 750 ;

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C -1 ; WX 611 ; N uhungarumlaut ; B 66 -14 625 750 ;
C -1 ; WX 556 ; N ecaron ; B 23 -14 528 750 ;
C -1 ; WX 667 ; N Ydieresis ; B 15 0 653 915 ;
C -1 ; WX 584 ; N divide ; B 40 -42 544 548 ;
C -1 ; WX 667 ; N Yacute ; B 15 0 653 936 ;
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C -1 ; WX 556 ; N aacute ; B 29 -14 527 750 ;
C -1 ; WX 722 ; N Ucircumflex ; B 72 -19 651 936 ;
C -1 ; WX 556 ; N yacute ; B 10 -214 539 750 ;
C -1 ; WX 556 ; N scommaaccent ; B 30 -228 519 546 ;
C -1 ; WX 556 ; N ecircumflex ; B 23 -14 528 750 ;
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C -1 ; WX 722 ; N Uacute ; B 72 -19 651 936 ;
C -1 ; WX 611 ; N uogonek ; B 66 -228 545 532 ;
C -1 ; WX 667 ; N Edieresis ; B 76 0 621 915 ;
C -1 ; WX 722 ; N Dcroat ; B -5 0 685 718 ;
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C -1 ; WX 737 ; N copyright ; B -11 -19 749 737 ;
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C -1 ; WX 611 ; N thorn ; B 62 -208 578 718 ;
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C -1 ; WX 667 ; N Eogonek ; B 76 -224 639 718 ;
C -1 ; WX 611 ; N dcroat ; B 34 -14 650 718 ;
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C -1 ; WX 722 ; N Kcommaaccent ; B 87 -228 722 718 ;
C -1 ; WX 611 ; N Lacute ; B 76 0 583 936 ;
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C -1 ; WX 278 ; N Igrave ; B -50 0 214 936 ;
C -1 ; WX 278 ; N Imacron ; B -33 0 312 864 ;
C -1 ; WX 611 ; N Lcaron ; B 76 0 583 718 ;
C -1 ; WX 834 ; N onehalf ; B 26 -19 794 710 ;
C -1 ; WX 549 ; N lessequal ; B 29 0 526 704 ;
C -1 ; WX 611 ; N ocircumflex ; B 34 -14 578 750 ;
C -1 ; WX 611 ; N ntilde ; B 65 0 546 737 ;
C -1 ; WX 722 ; N Uhungarumlaut ; B 72 -19 681 936 ;
C -1 ; WX 667 ; N Eacute ; B 76 0 621 936 ;
C -1 ; WX 556 ; N emacron ; B 23 -14 528 678 ;
C -1 ; WX 611 ; N gbreve ; B 40 -217 553 750 ;
C -1 ; WX 834 ; N onequarter ; B 26 -19 766 710 ;
C -1 ; WX 667 ; N Scaron ; B 39 -19 629 936 ;
C -1 ; WX 667 ; N Scommaaccent ; B 39 -228 629 737 ;
C -1 ; WX 778 ; N Ohungarumlaut ; B 44 -19 734 936 ;
C -1 ; WX 400 ; N degree ; B 57 426 343 712 ;
C -1 ; WX 611 ; N ograve ; B 34 -14 578 750 ;
C -1 ; WX 722 ; N Ccaron ; B 44 -19 684 936 ;
C -1 ; WX 611 ; N ugrave ; B 66 -14 545 750 ;
C -1 ; WX 549 ; N radical ; B 10 -46 512 850 ;
C -1 ; WX 722 ; N Dcaron ; B 76 0 685 936 ;
C -1 ; WX 389 ; N rcommaaccent ; B 64 -228 373 546 ;
C -1 ; WX 722 ; N Ntilde ; B 69 0 654 923 ;
C -1 ; WX 611 ; N otilde ; B 34 -14 578 737 ;
C -1 ; WX 722 ; N Rcommaaccent ; B 76 -228 677 718 ;
C -1 ; WX 611 ; N Lcommaaccent ; B 76 -228 583 718 ;
C -1 ; WX 722 ; N Atilde ; B 20 0 702 923 ;
C -1 ; WX 722 ; N Aogonek ; B 20 -224 742 718 ;
C -1 ; WX 722 ; N Aring ; B 20 0 702 962 ;

C -1 ; WX 778 ; N Otilde ; B 44 -19 734 923 ;
C -1 ; WX 500 ; N zdotaccent ; B 20 0 480 729 ;
C -1 ; WX 667 ; N Ecaron ; B 76 0 621 936 ;
C -1 ; WX 278 ; N Iogonek ; B -11 -228 222 718 ;
C -1 ; WX 556 ; N kcommaaccent ; B 69 -228 562 718 ;
C -1 ; WX 584 ; N minus ; B 40 197 544 309 ;
C -1 ; WX 278 ; N Icircumflex ; B -37 0 316 936 ;
C -1 ; WX 611 ; N ncaron ; B 65 0 546 750 ;
C -1 ; WX 333 ; N tcommaaccent ; B 10 -228 309 676 ;
C -1 ; WX 584 ; N logicalnot ; B 40 108 544 419 ;
C -1 ; WX 611 ; N odieresis ; B 34 -14 578 729 ;
C -1 ; WX 611 ; N udieresis ; B 66 -14 545 729 ;
C -1 ; WX 549 ; N notequal ; B 15 -49 540 570 ;
C -1 ; WX 611 ; N gcommaaccent ; B 40 -217 553 850 ;
C -1 ; WX 611 ; N eth ; B 34 -14 578 737 ;
C -1 ; WX 500 ; N zcaron ; B 20 0 480 750 ;
C -1 ; WX 611 ; N ncommaaccent ; B 65 -228 546 546 ;
C -1 ; WX 333 ; N onesuperior ; B 26 283 237 710 ;
C -1 ; WX 278 ; N imacron ; B -8 0 285 678 ;
C -1 ; WX 556 ; N Euro ; B 0 0 0 0 ;

EndCharMetrics

StartKernData

StartKernPairs 2481

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KPX A Cacute -40

KPX A Ccaron -40

KPX A Ccedilla -40

KPX A G -50

KPX A Gbreve -50

KPX A Gcommaaccent -50

KPX A O -40

KPX A Oacute -40

KPX A Ocircumflex -40

KPX A Odieresis -40

KPX A Ograve -40

KPX A Ohungarumlaut -40

KPX A Omacron -40

KPX A Oslash -40

KPX A Otilde -40

KPX A Q -40

KPX A T -90

KPX A Tcaron -90

KPX A Tcommaaccent -90

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KPX A Uacute -50

KPX A Ucircumflex -50

KPX A Udieresis -50

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KPX A ydieresis -30
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KPX Kcommaaccent edotaccent -15
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KPX Kcommaaccent emacron -15

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```
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```
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```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate
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```
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```

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

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1.326 spring-context 3.1.4.RELEASE

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```
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jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/ComponentScan.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/ehcache/EhCacheCache.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/support/MessageSourceSupport.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/ComponentScanAnnotationParser.java
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jar/org/springframework/context/annotation/AdviceModeImportSelector.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
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jar/org/springframework/context/annotation/AnnotationConfigApplicationContext.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/validation/BindException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/event/AbstractApplicationEventMulticaster.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/instrument/classloading/oc4j/OC4JLoadTimeWeaver.java
```

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/interceptor/ExpressionEvaluator.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassUtils.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/AnnotationConfigUtils.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/AsyncAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/AbstractAsyncConfiguration.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/beanvalidation/LocalValidatorFactoryBean.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/beanvalidation/SpringValidatorAdapter.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/AnnotationBeanNameGenerator.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/AbstractBindingResult.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassBeanDefinitionReader.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/interceptor/CacheOperationSourcePointcut.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/support/AbstractApplicationContext.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassParser.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/ehcache/EhCacheFactoryBean.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/concurrent/ConcurrentMapCache.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/EnableScheduling.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/Import.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/support/NoOpCacheManager.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/ProxyAsyncConfiguration.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/BindingResult.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ScannedGenericBeanDefinition.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/MetadataUtils.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/ConfigurationClassPostProcessor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/cache/annotation/SpringCacheAnnotationParser.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/annotation/AsyncAnnotationAdvisor.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/naming/IdentityNamingStrategy.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/rmi/RmiInvocationWrapper.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/config/LangNamespaceUtils.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ui/context/support/SimpleTheme.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/RemoteProxyFailureException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedNotification.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/rmi/RmiInvocationHandler.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ejb/support/AbstractMessageDrivenBean.java

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```
/**
```

```
* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
```

```
* reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
```

```
* available on WebSphere 5.1 and higher.
```

```
*
```

```
* <p>Exposes the <code>MBeanServer</code> 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 com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
* @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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Found in path(s):

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/glassfish/GlassFishClassLoaderAdapter.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/websphere/WebSphereClassPreDefinePlugin.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/access/DefaultLocatorFactory.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jndi/JndiTemplateEditor.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/NoSuchMessageException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/HierarchicalMessageSource.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/access/ContextBeanFactoryReference.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ui/context/HierarchicalThemeSource.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/support/MessageSourceAccessor.java

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- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ejb/interceptor/SpringBeanAutowiringInterceptor.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/rmi/JndiRmiClientInterceptor.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/support/MessageSourceResourceBundle.java

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- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/config/MBeanServerBeanDefinitionParser.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/Errors.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/groovy/GroovyScriptFactory.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/ObjectError.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jndi/JndiCallback.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationTraceInterceptor.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ejb/access/SimpleRemoteSlsbInvokerInterceptor.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/FieldError.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/support/DelegatingMessageSource.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/support/ResourceScriptSource.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/RemoteAccessException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/ScriptFactory.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/access/MBeanConnectFailureException.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/config/MBeanExportBeanDefinitionParser.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/access/InvalidInvocationException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/access/ConnectorDelegate.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/ assembler/MethodNameBasedMBeanInfoAssembler.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/ assembler/AbstractConfigurableMBeanInfoAssembler.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/DirectFieldBindingResult.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/access/InvocationFailureException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/access/ContextSingletonBeanFactoryLocator.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/i18n/SimpleLocaleContext.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/support/StaticScriptSource.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/MBeanExporterListener.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/MessageSource.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scripting/bsh/BshScriptUtils.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/DefaultMessageCodesResolver.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/config/ContextNamespaceHandler.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/glassfish/ClassTransformerAdapter.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/ assembler/MethodExclusionMBeanInfoAssembler.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/MBeanServerNotFoundException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/remoting/RemoteConnectFailureException.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ejb/access/EjbAccessException.java

* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/naming/KeyNamingStrategy.java

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jar/org/springframework/jmx/export/metadata/InvalidMetadataException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/validation/BindingResultUtils.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/SchedulingAwareRunnable.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/validation/MapBindingResult.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/remoting/RemoteLookupFailureException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/interceptor/NameMatchCacheOperationSource.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/oc4j/OC4JClassLoaderAdapter.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/format/number/PercentFormatter.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java

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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/format/datetime/joda/JodaDateTimeFormatAnnotationFormatterFactory.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/format/number/NumberFormatter.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/assembly/AbstractMBeanInfoAssembler.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/beanvalidation/CustomValidatorBean.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/format/number/NumberFormatAnnotationFormatterFactory.java
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* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/AutoProxyRegistrar.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/instrument/classloading/websphere/WebSphereLoadTimeWeaver.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/ResourceLoaderAware.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/remoting/support/RemoteExporter.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-

jar/org/springframework/jmx/support/MetricType.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/format/FormatterRegistrar.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/support/ScheduledMethodRunnable.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/interceptor/KeyGenerator.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/interceptor/LazyParamAwareEvaluationContext.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/annotation/EnableCaching.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/Profile.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/AdviceMode.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/ApplicationEventPublisherAware.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/validation/ValidationUtils.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/annotation/ScheduledAnnotationBeanPostProcessor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/validation/beanvalidation/MethodValidationPostProcessor.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/cache/annotation/CachingConfigurer.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/context/annotation/EnableLoadTimeWeaving.java
* /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-
jar/org/springframework/scheduling/annotation/AsyncConfigurer.java
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- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/ApplicationEventPublisher.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/validation/MessageCodesResolver.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperation.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/naming/SelfNaming.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedOperationParameter.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/context/i18n/LocaleContext.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/asmbler/SimpleReflectiveMBeanInfoAssembler.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/asmbler/MBeanInfoAssembler.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/notification/NotificationPublisher.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/ui/context/support/DelegatingThemeSource.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/metadata/JmxMetadataUtils.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/jmx/export/metadata/ManagedOperation.java

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Found in path(s):

- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/weblogic/WebLogicClassLoaderAdapter.java
- * /opt/cola/permits/1136046174_1613665180.04/0/spring-context-3-1-4-release-sources-1-jar/org/springframework/instrument/classloading/weblogic/WebLogicLoadTimeWeaver.java

1.327 kmod 20 23.el7

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Version 2.1, February 1999

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1.328 cryptsetup 1.6.7 1.e17

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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.

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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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October 28, 1997

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Sam Lantinga (slouken@libsdl.org)

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Version 2.1, February 1999

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

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When a "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

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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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1.331 wstx-asl 3.2.9

1.332 xerces-c 3.1

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    </text>
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* $Revision: 1.2 $
* $Date: 2003/04/06 20:37:31 $
*
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JUnit

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(Ljava/lang/Object;)VgetName(Ljava/lang/String;(Ljava/lang/Object;)Z()I
getActions<init>(Ljava/lang/String;)Vjava/security/Guard(Ljava/security/Permission;)Z
java/lang/Objectjava/io/Serializable
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java/lang/Objectjava/security/acl/Permission()Ljava/lang/String;equals(Ljava/lang/Object;)ZtoString

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<init>()Ljava/lang/Object(Ljava/lang/String;)Vequalsimplies&()Ljava/security/PermissionCollection;hashCode  
getActions  
newPermissionCollection()Ljava/lang/String;getName(Ljava/lang/Object;)Z  
java/security/Guardjava/security/Permissionjava/io/Serializable  
checkGuard(Ljava/lang/Object;)V(Ljava/security/Permission;)Z!
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```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<?pde version="3.5"?>
```

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<product name="Product With License" uid="licenseIU.product" useFeatures="false" includeLaunchers="true">
```

```
<configIni use="default">
```

```
</configIni>
```

```
<launcherArgs>
```

```
<vmArgsMac>-XstartOnFirstThread -Dorg.eclipse.swt.internal.carbon.smallFonts</vmArgsMac>
```

```
</launcherArgs>
```

```
<launcher>
```

```
<solaris/>
```

```
<win useIco="false">
```

```
<bmp/>
```

```
</win>
```

```
</launcher>
```

```
<vm>
```

```
</vm>
```

```
<plugins>
```

```
</plugins>
```

```
</product>
```

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<init>()I

java/lang/Object(Ljava/lang/String;)Vequals

implies&()Ljava/security/PermissionCollection;

getActionshashCodenewPermissionCollection()Ljava/lang/String;getName(Ljava/lang/Object;)Zjava/security/Guard

toStringjava/security/Permissionjava/io/Serializable

checkGuard(Ljava/lang/Object;)V(Ljava/security/Permission;)Z !

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```
<init>()Ljava/lang/Object(Ljava/lang/String;)Vequalsimplies&()Ljava/security/PermissionCollection;hashCode  
getActions newPermissionCollection(Ljava/lang/String;  
getName(Ljava/lang/Object;)ZtoStringjava/security/Permissionjava/io/Serializable(Ljava/security/Permission;)Z  
!
```

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<init>()Ljava/lang/Object(Ljava/lang/String;)Vequalsimplies&()Ljava/security/PermissionCollection;hashCode
getActions

newPermissionCollection()Ljava/lang/String;getName(Ljava/lang/Object;)Z

java/security/GuardtoStringjava/security/Permissionjava/io/Serializable
checkGuard(Ljava/lang/Object;)V(Ljava/security/Permission;)Z!

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* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/TransactionOperations.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/support/DataAccessUtils.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/SmartTransactionObject.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/connection/ConnectionFactoryUtils.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/support/LocalConnectionFactoryBean.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/config/TxNamespaceHandler.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/TransactionSynchronization.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/TransactionFactory.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttribute.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionProxyFactoryBean.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/context/ResourceAdapterApplicationContext.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/TransactionSynchronizationUtils.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/TransactionStatus.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/annotation/Propagation.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/TransactionSynchronizationAdapter.java
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jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java
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* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/DelegatingTransactionDefinition.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/TransactionCallbackWithoutResult.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/jta/JtaAfterCompletionSynchronization.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/CallbackPreferringPlatformTransactionManager.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/annotation/Isolation.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/AbstractTransactionStatus.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/TransactionCallback.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/work/SimpleTaskWorkManager.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/endpoint/GenericMessageEndpointManager.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/SimpleTransactionStatus.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/work/WorkManagerTaskExecutor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/interceptor/DelegatingTransactionAttribute.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/DuplicateKeyException.java
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- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/object/MappingCommAreaOperation.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/support/CommAreaRecord.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/InvalidResultSetAccessException.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/connection/ConnectionHolder.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/object/MappingRecordOperation.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/CannotGetCciConnectionException.java

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- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/context/BootstrapContextAwareProcessor.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/context/BootstrapContextAware.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/connection/CciLocalTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-

jar/org/springframework/jca/support/SimpleBootstrapContext.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/endpoint/GenericMessageEndpointFactory.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/TransactionSystemException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/support/ResourceTransactionManager.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/annotation/PersistenceExceptionTranslationAdvisor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
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* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
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jar/org/springframework/dao/NonTransientDataAccessResourceException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/TransientDataAccessResourceException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/cci/connection/TransactionAwareConnectionFactoryProxy.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/PlatformTransactionManager.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/cci/connection/SingleConnectionFactory.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/CciOperations.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/ResourceHolderSupport.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/ConnectionCallback.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/CciTemplate.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/InteractionCallback.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/support/ChainedPersistenceExceptionTranslator.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/BeanFactoryTransactionAttributeSourceAdvisor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/RecoverableDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/TransientDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/RecordExtractor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/core/support/CciDaoSupport.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/NonTransientDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttributeSourceEditor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/ResourceHolder.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttributeSourceAdvisor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/context/SpringContextResourceAdapter.java
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- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/ManagedTransactionAdapter.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/WebLogicJtaTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/work/jboss/JBossWorkManagerUtils.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/JtaTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/annotation/AnnotationTransactionAttributeSource.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/OC4JJtaTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/endpoint/AbstractMessageEndpointFactory.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/connection/ConnectionSpecConnectionFactoryAdapter.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/RuleBasedTransactionAttribute.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/NameMatchTransactionAttributeSource.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/jta/UserTransactionAdapter.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/TransactionDefinition.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/annotation/Transactional.java
- * /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-

jar/org/springframework/transaction/interceptor/CompositeTransactionAttributeSource.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/interceptor/MatchAlwaysTransactionAttributeSource.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/jta/SimpleTransactionFactory.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java
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jar/org/springframework/dao/CannotAcquireLockException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/TransactionException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/UnexpectedRollbackException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/PermissionDeniedDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/DeadlockLoserDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/InvalidDataAccessResourceUsageException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/support/PersistenceExceptionTranslator.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/transaction/TransactionTimedOutException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-
jar/org/springframework/dao/CleanupFailureDataAccessException.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/TypeMismatchDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/TransactionUsageException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/NestedTransactionNotSupportedException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/InvalidTimeoutException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/CannotSerializeTransactionException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/support/DaoSupport.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/IncorrectUpdateSemanticsDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/TransactionSuspensionNotSupportedException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/OptimisticLockingFailureException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/PessimisticLockingFailureException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/ConcurrencyFailureException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/DataIntegrityViolationException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/IncorrectResultSizeDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/DataAccessResourceFailureException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/IllegalTransactionStateException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/CannotCreateTransactionException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/DataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/DataRetrievalFailureException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/InvalidDataAccessApiUsageException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/InvalidIsolationLevelException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/UncategorizedDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/EmptyResultDataAccessException.java
* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/HeuristicCompletionException.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/NoTransactionException.java
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* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/TransactionSynchronizationManager.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/ResourceHolderSynchronization.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/dao/annotation/PersistenceExceptionTranslationPostProcessor.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/interceptor/TransactionAspectUtils.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/support/DefaultTransactionStatus.java

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* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/object/SimpleRecordOperation.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/RecordTypeNotSupportedException.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/transaction/SavepointManager.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/connection/NotSupportedRecordFactory.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/CciOperationNotSupportedException.java

* /opt/cola/permits/1111238332_1607425379.04/0/spring-tx-3-0-7-release-sources-2-jar/org/springframework/jca/cci/object/EisOperation.java

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1.342 eclipse 3.5.0.v20100524

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1.346 xfsdump 3.1.7 1.el7

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1.348 polycoreutils 2.5 29.e17

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1.349 datatype 1.3.04

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 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/EncodeException.java
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 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/OnClose.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/server/ServerEndpointConfig.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-jar/javax/websocket/DefaultClientEndpointConfig.java
 * /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-

jar/javax/websocket/server/package-info.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/MessageHandler.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/ClientEndpointConfig.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/Decoder.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/Encoder.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/HandshakeResponse.java
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* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/DeploymentException.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/SendResult.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/DefaultServerEndpointConfig.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/CloseReason.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/HandshakeRequest.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/Endpoint.java
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jar/javax/websocket/ClientEndpoint.java
* /opt/cola/permits/1000018032_1654022968.5253847/0/javax-websocket-api-1-1-sources-2-
jar/javax/websocket/server/ServerApplicationConfig.java
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1.355 tomcat-tribes 9.0.37

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```

```
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1.362 util-linux 2.23.2-43.el7

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 */
size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
```

#5: 7936 4864 0x7 (freebsd)

#6: 12544 3584 0x7 (freebsd)

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Version 2.1, February 1999

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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors

Units = sectors of 1 * 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disk label type: dos

Disk identifier: 0x00000001

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

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout-----

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

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

Create default BSD
2e1cee529cb59c9341afef0443f196a1 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	cpgr]
c:	4096	20479	16384	unused	0	0	
d:	0	16064	16065	unused	0	0	

BSD disklabel command (m for help):

Command (m for help):

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

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

Command (m for help):

BSD disklabel command (m for help):

4 partitions:

```
#  start  end  size  fstype  [fsize bsize cpg]
a: 4096  6144  2049  4.2BSD   0  0  0
c: 4096  20479 16384  unused   0  0
d:  0  16064 16065  unused   0  0
```

BSD disklabel command (m for help):

Command (m for help):

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

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

BSD disklabel command (m for help):

1.363 nimbus-jose-jwt 4.23

1.363.1 Available under license :

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/**

* Base 64 and base 64 URL-safe encoder and decoder.

*

* <p>Based on Mikael Grev's MiG base 64 encoder / decoder, with modifications

* to support URL-safe encoding and decoding.

*

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*

* <pre>

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* </pre>
*
* @author Mikael Grev
* @author Jaap Beetstra
* @author Vladimir Dzhuvinov
*/

```

Found in path(s):

```

* /opt/cola/permits/1136046032_1613665092.91/0/nimbus-jose-jwt-4-23-sources-1-
jar/com/nimbusds/jose/util/Base64Codec.java

```

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```

<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

```

Found in path(s):

```

* /opt/cola/permits/1136046032_1613665092.91/0/nimbus-jose-jwt-4-23-sources-1-jar/META-
INF/maven/com.nimbusds/nimbus-jose-jwt/pom.xml

```

1.364 commons-logging 1.1.3

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1.365 spring-aop 3.0.7.RELEASE

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```

Found in path(s):

```
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/framework/autoprox/DefaultAdvisorAutoProxyCreator.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/support/ExpressionPointcut.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/AopInvocationException.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-  
jar/org/springframework/aop/config/PointcutEntry.java  
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
```

jar/org/springframework/aop/TrueClassFilter.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/config/AdvisorEntry.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/config/AdviceEntry.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/framework/AopConfigException.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/TruePointcut.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/aspectj/TypePatternClassFilter.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/TrueMethodMatcher.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/framework/autoproxy/target/LazyInitTargetSourceCreator.java
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jar/org/springframework/aop/framework/autoproxy/target/QuickTargetSourceCreator.java
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jar/org/springframework/aop/support/ControlFlowPointcut.java
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*/opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/AbstractPrototypeBasedTargetSource.java

*/opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/autoproxy/ProxyCreationContext.java

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- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/RuntimeTestWalker.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/SingletonTargetSource.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/scope/ScopedProxyUtils.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
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- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/ThreadLocalTargetSource.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/config/AopNamespaceUtils.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/AopUtils.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/ProxyConfig.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/HotSwappableTargetSource.java
- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/AopProxyUtils.java
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- * /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/annotation/InstantiationModelAwarePointcutAdvisorImpl.java

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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/AspectJExpressionPointcut.java
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/IntroductionInfoSupport.java

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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/scope/DefaultScopedObject.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectInstanceFactory.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/SimpleAspectInstanceFactory.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java

* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/AbstractPointcutAdvisor.java

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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java

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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/framework/autoproxy/AbstractAutoProxyCreator.java
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jar/org/springframework/aop/config/AdvisorComponentDefinition.java
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jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
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jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java
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jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
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jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-
jar/org/springframework/aop/support/StaticMethodMatcher.java
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* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/RootClassFilter.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/support/DynamicMethodMatcher.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/MethodBeforeAdvice.java
* /opt/cola/permits/1136652249_1613848609.52/0/spring-aop-3-0-7-release-sources-3-jar/org/springframework/aop/PointcutAdvisor.java
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1.366 d-conf 0.28.0 4.el7

1.367 axiom 1.2.13

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

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

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

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

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(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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1.373 libnl3 3.2.21-10.el7

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1.374 tomcat-storeconfig 9.0.37

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Mesa 3-D graphics library

Version: 7.0

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```

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1.379 tcsh 6.18.01-15.el7

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People who have contributed to tcsh for win32 with bugfixes, functionality, and other useful pieces of code. If I've left you out, please let me know !

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```

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

#ifndef _h_config
#define _h_config
/****** System dependant compilation flags *****/
/*
* POSIX This system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

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

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

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

/*
* BSDTIMES You have BSD-style process time stuff (like rusage)

```

```

* This may or may not be true. For example, Apple Unix
* (OREO) has BSDJOBS but not BSDTIMES.
*/
#define BSDTIMES

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

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

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

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

/***** local defines *****/

#endif /* _h_config */

```

1.380 xalan xalan-j_2_4_1

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Mon, 2009-04-27 17:03 — Gerrit DeWitt

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

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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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1.384 p11-kit 0.23.5 3.el7

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1.385 jackson-mapper-asl 1.9.13

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```

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```
* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-jar/org/codehaus/jackson/map/MappingJsonFactory.java
```

1.386 libsemanage 2.5 14.el7

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Version 2.1, February 1999

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

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1.389 free-type 2.8-14.e17

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#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
```

```
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
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1.390 commons-codec 1.4

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1.391 ecs 1.4.2

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1.393 zlib 1.2.7-17.el7

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1.394 json-c 0.99.4-3.el7

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1.395 dom4j 1.1

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Name: Maarten Coene

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Certificate: AAABhW+Ow8B7/zEbxOMqqKwwrdpP+a1COmJGHco7sCNLjHkHnajPF+dQW
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1.396 spidermonkey 17.0.0 19.el7

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1.397 spring-aop 3.1.4.RELEASE

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```
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/interceptor/AsyncExecutionAspectSupport.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/framework/autoproxy/AbstractAutoProxyCreator.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/AbstractAspectJAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/annotation/AnnotationMethodMatcher.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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*/opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AbstractAspectJAdvisorFactory.java
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jar/org/springframework/aop/aspectj/AspectJAfterReturningAdvice.java
*/opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/target/dynamic/AbstractRefreshableTargetSource.java
*/opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
```

* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/SingletonTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/scope/ScopedProxyUtils.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/RuntimeTestWalker.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/AopConfigUtils.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/JdkDynamicAopProxy.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/AbstractLazyCreationTargetSource.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/AbstractInterceptorDrivenBeanDefinitionDecorator.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/HotSwappableTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/autoproxy/BeanNameAutoProxyCreator.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/AopProxyUtils.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/EmptyTargetSource.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJAfterThrowingAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/MethodMatcher.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/framework/DefaultAopProxyFactory.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/BeforeAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/DelegatingIntroductionInterceptor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/AbstractGenericPointcutAdvisor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/target/CommonsPoolTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-

jar/org/springframework/aop/target/AbstractPoolingTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/DynamicIntroductionAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/IntroductionAdvisor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/framework/adapter/AfterReturningAdviceAdapter.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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jar/org/springframework/aop/aspectj/annotation/PrototypeAspectInstanceFactory.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/TargetClassAware.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/target/PrototypeTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/annotation/AspectJAdvisorFactory.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-

jar/org/springframework/aop/SpringProxy.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/annotation/AnnotationMatchingPointcut.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/annotation/AnnotationClassFilter.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/autoproxy/AspectJAwareAdvisorAutoProxyCreator.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/interceptor/AbstractTraceInterceptor.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/autoproxy/target/AbstractBeanFactoryBasedTargetSourceCreator.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/NameMatchMethodPointcut.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/DefaultIntroductionAdvisor.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/adapter/DefaultAdvisorAdapterRegistry.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/AdvisorComponentDefinition.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/adapter/ThrowsAdviceInterceptor.java
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- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/ConfigBeanDefinitionParser.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/AspectJAdviceParameterNameDiscoverer.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/AdvisorChainFactory.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/ProxyCreatorSupport.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/ThrowsAdvice.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/autoproxy/BeanFactoryAdvisorRetrievalHelper.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/AspectJProxyUtils.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/DefaultAdvisorChainFactory.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java

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- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/scope/DefaultScopedObject.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/annotation/BeanFactoryAspectInstanceFactory.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/annotation/LazySingletonAspectInstanceFactoryDecorator.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/MethodInvocationProceedingJoinPoint.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/ReflectiveMethodInvocation.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/JdkRegexpMethodPointcut.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/MethodLocatingFactoryBean.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/autoproxy/AspectJPrecedenceComparator.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/ProxyFactoryBean.java
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- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/AbstractPointcutAdvisor.java
- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/annotation/AspectJProxyFactory.java
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- * /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/SingletonAspectInstanceFactory.java

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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/ProxyFactory.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/scope/ScopedProxyFactoryBean.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/IntroductionInfoSupport.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/AbstractPrototypeBasedTargetSource.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/dynamic/BeanFactoryRefreshableTargetSource.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/AopConfigException.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJMethodBeforeAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/support/ExpressionPointcut.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/TrueClassFilter.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/config/PointcutEntry.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-
jar/org/springframework/aop/interceptor/PerformanceMonitorInterceptor.java
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* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/PointcutAdvisor.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/RootClassFilter.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/DynamicMethodMatcher.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/MethodBeforeAdvice.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/DynamicMethodMatcherPointcut.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/support/StaticMethodMatcher.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/target/PoolingConfig.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/adapter/GlobalAdvisorAdapterRegistry.java
* /opt/cola/permits/1136045379_1613665198.74/0/spring-aop-3-1-4-release-sources-1-jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java

1.398 jackson-mapper-asl 1.9.2

1.398.1 Available under license :

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* /opt/ws_local/PERMITS_SQL/1078377000_1597297561.19/0/jackson-mapper-asl-1-9-2-sources-1-jar/org/codehaus/jackson/map/MappingJsonFactory.java

1.399 jzlib 1.0

1.399.1 Available under license :

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* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPOutputStream.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPInputStream.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPHeader.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Inflater.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InflaterInputStream.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Checksum.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZInputStream.java

* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/CRC32.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/DeflaterOutputStream.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZOutputStream.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/GZIPException.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/JZlib.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Deflater.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfBlocks.java

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* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfCodes.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Tree.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/StaticTree.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStreamException.java
* /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/InfTree.java

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- * /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Adler32.java
- * /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Deflate.java
- * /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/ZStream.java
- * /opt/cola/permits/1116565042_1613145674.08/0/jzlib-1-1-3-sources-jar/com/jcraft/jzlib/Inflate.java

1.400 lua-cjson 2.1.0

1.400.1 Available under license :

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1.401 jackson-dataformat-yaml 2.10.1

1.401.1 Available under license :

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1.402 commons-io 1.3.2

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1.403 webkit 2.20.5

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- early prototype routines;
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Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bug fixes.

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re-implemented pthread_once (version 2)

(pthread_once cancellation added by rpj).

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reimplemented pthread_once with the same form

as described by A.Terekhov (later version 2);

implementation of MCS (Mellor-Crummey/Scott) locks.

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Source/JavaScriptCore/API/JSSStringRefBSTR.cpp
Source/JavaScriptCore/API/JSSStringRefBSTR.h
Source/JavaScriptCore/bindings/*
Source/JavaScriptCore/bytecode/CodeBlock.cpp
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Source/ThirdParty/ANGLE/include/EGL/*
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Files: Source/ThirdParty/ANGLE/src/compiler/preprocessor/ExpressionParser.cpp
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1.406 commons-logging 1.1

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```
* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-
jar/org/apache/commons/logging/impl/ServletContextCleaner.java
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* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/Log.java

* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/impl/LogFactoryImpl.java

* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/impl/Log4JLogger.java

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* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/impl/NoOpLog.java

* /opt/cola/permits/1135953085_1613641336.59/0/commons-logging-1-1-sources-10-jar/org/apache/commons/logging/LogConfigurationException.java

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1.407 spring-tx 3.1.4.RELEASE

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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/TransactionDefinition.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/interceptor/NameMatchTransactionAttributeSource.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/transaction/interceptor/MatchAlwaysTransactionAttributeSource.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/ConnectionSpecConnectionFactoryAdapter.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/WebLogicJtaTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/annotation/Transactional.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/CompositeTransactionAttributeSource.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/UserTransactionAdapter.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/endpoint/AbstractMessageEndpointFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/work/jboss/JBossWorkManagerUtils.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/SimpleTransactionFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/JtaTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/MethodMapTransactionAttributeSource.java
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jar/org/springframework/transaction/interceptor/RuleBasedTransactionAttribute.java
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jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/core/RecordCreator.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/InvalidResultSetAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/CannotGetCciConnectionException.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/connection/ConnectionHolder.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/CannotSerializeTransactionException.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/transaction/TransactionUsageException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DataIntegrityViolationException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/UncategorizedDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DataAccessResourceFailureException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/IncorrectUpdateSemanticsDataAccessException.java
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jar/org/springframework/transaction/TransactionTimedOutException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/PessimisticLockingFailureException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/support/PersistenceExceptionTranslator.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DeadlockLoserDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/CannotCreateTransactionException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/NoTransactionException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/NestedTransactionNotSupportedException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/CannotAcquireLockException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/ConcurrencyFailureException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/InvalidDataAccessApiUsageException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/InvalidTimeoutException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/HeuristicCompletionException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/TypeMismatchDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/support/DaoSupport.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/TransactionSuspensionNotSupportedException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DataRetrievalFailureException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/InvalidIsolationLevelException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/UnexpectedRollbackException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/dao/InvalidDataAccessResourceUsageException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/OptimisticLockingFailureException.java
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jar/org/springframework/dao/CleanupFailureDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/core/ConnectionCallback.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/core/CciOperations.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/NonTransientDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/core/InteractionCallback.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/core/support/CciDaoSupport.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/RecoverableDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/SingleConnectionFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttributeSourceEditor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/DefaultTransactionDefinition.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/ResourceHolder.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/interceptor/BeanFactoryTransactionAttributeSourceAdvisor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/support/ChainedPersistenceExceptionTranslator.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/TransientDataAccessResourceException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/NonTransientDataAccessResourceException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/TransientDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/connection/TransactionAwareConnectionFactoryProxy.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/core/CciTemplate.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/PlatformTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/cci/core/RecordExtractor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAttributeSourceAdvisor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/support/ResourceHolderSupport.java
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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/support/SimpleTransactionStatus.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/support/DelegatingTransactionDefinition.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/transaction/jta/TransactionFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/context/ResourceAdapterApplicationContext.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/TransactionSynchronization.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/DuplicateKeyException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/TransactionSynchronizationAdapter.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/TransactionTemplate.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/SmartTransactionObject.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/endpoint/GenericMessageEndpointManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/work/SimpleTaskWorkManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/JtaTransactionObject.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/jta/JtaAfterCompletionSynchronization.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/annotation/Propagation.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/ConnectionFactoryUtils.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttribute.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/support/LocalConnectionFactoryBean.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/dao/support/DataAccessUtils.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/CallbackPreferringPlatformTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/TransactionCallbackWithoutResult.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/TransactionSynchronizationUtils.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/TransactionStatus.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/DelegatingTransactionAttribute.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/annotation/Isolation.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/support/AbstractTransactionStatus.java
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jar/org/springframework/transaction/interceptor/TransactionProxyFactoryBean.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/context/SpringContextResourceAdapter.java
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jar/org/springframework/jca/cci/RecordTypeNotSupportedException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/CannotCreateRecordException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/CciOperationNotSupportedException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/SavepointManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/NotSupportedRecordFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/object/SimpleRecordOperation.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/object/EisOperation.java
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jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/TransactionSystemException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/support/SimpleBootstrapContext.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/CciLocalTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/endpoint/GenericMessageEndpointFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/jca/work/DelegatingWork.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/context/BootstrapContextAwareProcessor.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/support/ResourceTransactionManager.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/annotation/PersistenceExceptionTranslationAdvisor.java

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* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/jta/OC4JtaTransactionManager.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/annotation/AnnotationTransactionAttributeSource.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/QueryTimeoutException.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/jca/work/WorkManagerTaskExecutor.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAspectUtils.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-jar/org/springframework/dao/EmptyResultDataAccessException.java

* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-

jar/org/springframework/dao/IncorrectResultSizeDataAccessException.java
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java
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jar/org/springframework/transaction/config/AnnotationDrivenBeanDefinitionParser.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/TransactionCallback.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/TransactionSynchronizationManager.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/jca/context/BootstrapContextAware.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/annotation/EnableTransactionManagement.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/dao/annotation/PersistenceExceptionTranslationPostProcessor.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/TransactionOperations.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/DefaultTransactionStatus.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/annotation/TransactionManagementConfigurer.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/support/ResourceHolderSynchronization.java  
* /opt/cola/permits/1136045344_1613665200.06/0/spring-tx-3-1-4-release-sources-1-  
jar/org/springframework/transaction/annotation/TransactionManagementConfigurationSelector.java
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jar/org/springframework/transaction/interceptor/NoRollbackRuleAttribute.java
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1.413 apache-log4j 1.2.8

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1.414 lua 5.1.5

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1.415 make 3.82

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard

Original author of libsensors, sensors-detect, sensors and isadump.

* Merlin Hughes

Original author of sensord.

* Bob Schlaermann

Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.

* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.

Many optimizations in libsensors and sensors.

Configuration file converter.

Rewrite of sensors-detect.

Support for multiple configuration files in libsensors.

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Author:

=====

- Postfix/TLS support was originally developed by Lutz Jaenicke of Brandenburg University of Technology, Cottbus, Germany.

License:

=====

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I would however kindly ask you to acknowledge the use of this package, if you are going use it in your software, which you might be going to distribute. I would also like to receive a note if you are a satisfied user :-)

Acknowledgements:

=====

- This package is based on the OpenSSL package as provided by the ``OpenSSL Project``.

Disclaimer:

=====

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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

/*

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* SUCH DAMAGE.
*/

1.419 zlib 1.2.3

1.419.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

Copyright (C) 1995-2002 Jean-loup Gailly and Mark Adler

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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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- */

1.420 cxf-rt-bindings-soap 2.7.14

1.420.1 Available under license :

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1.421 vim 7.4.160 5.el7

1.421.1 Available under license :

uganda.txt For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*

SUMMARY

iccf *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

<http://iccf-holland.org/>

<http://www.vim.org/iccf/>

<http://www.iccf.nl/>

You can also sponsor the development of Vim. Vim sponsors can vote for

features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

=== begin of license ===

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 - 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
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- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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:
```

```
" Vim syntax file
```

```
" Language: Software Distributor product specification file
```

```
" (POSIX 1387.2-1995).
```

```
" Maintainer: Rex Barzee <rex_barzee@hp.com>
```

```
" Last change: 25 Apr 2001
```

```
if version < 600
```

```
" Remove any old syntax stuff hanging around
```

```
syn clear
```

```
elseif exists("b:current_syntax")
```

```
finish
```

```
endif
```

```
" Product specification files are case sensitive
```

```
syn case match
```

```
syn keyword psfObject bundle category control_file depot distribution
```

```
syn keyword psfObject end file fileset host installed_software media
```



```

contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time|ctime|mod_time|mtime|timestamp))\s+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision|layout_version))\s+"
contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s+" contains=psfLongDate,psfComment
end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state))\s+" contains=psfState,psfComment end="$"
keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state))\s+" contains=psfPState,psfComment
end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*(is_kernel|is_locatable|is_patch|is_protected|is_reboot|is_reference|is_secure|is_sparse))\s+"
contains=psfBoolean,psfComment end="$" keepend oneline

syn match psfComment "#.*$"

" Define the default highlighting.
" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
else
    command -nargs=+ HiLink hi def link <args>
endif

HiLink psfObject    Statement
HiLink psfAttrib    Type
HiLink psfQuotString String
HiLink psfObjTag    Identifier
HiLink psfAttAbbrev PreProc
HiLink psfObjTags   Identifier

HiLink psfComment   Comment

delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so

```

" force vim to backup at least 100 lines before the top visible line

" looking for a sync location.

syn sync lines=100

```
let b:current_syntax = "psf"
```

```
/*
```

```
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```

```
*
```

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1.422 commons-net 3.0.1

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1.423 slf4j 1.6.1

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1.425 openssh 7.4p1 16.el7

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- GMP is no longer used, and instead we call BN code from OpenSSL

- Zlib is now external, in a library

- The make-ssh-known-hosts script is no longer included

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* @version 3.0 (December 2000)
*
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*
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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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* Rafael D'Halleweyn - 2011-06-05 18:56:24 EDT
* Jan-Pieter Cornet (johnpc) - 2012-03-23 03:25:52 PDT
* chrysn@fsfe.org
* dfberger@users.noreply.github.com
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*/
```

```
/* OPENBSD ORIGINAL: sys/sys/poll.h */
```

```
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_
```

```
typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;
```

```
typedef unsigned int nfds_t;
```

```
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif
```

```
#define INFTIM (-1) /* not standard */
```

```
int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
```

/* \$Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp \$ */

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*/

#ifndef _BSD_WAITPID_H

#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID

/* Clean out any potential issues */

#undef WIFEXITED

#undef WIFSTOPPED

#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */

#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */

#define WIFEXITED(w) (!((_W_INT(w)) & 0377))

#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)

#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))

#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)

#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)

#define WCOREFLAG 0x80

#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */

pid_t waitpid(int, int *, int);

```

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#endif /* _BSD_WAITPID_H */
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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
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#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */

```

```

pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
/* $OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008

```

```
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */
```

This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
Wed, 13 Jan 2010 01:08:49 +0300.

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*/

```
#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
```

```
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
```

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*/

```

```

diff -up openssl-7.4p1/sftp-server.8.sftp-force-mode openssl-7.4p1/sftp-server.8
--- openssl-7.4p1/sftp-server.8.sftp-force-mode 2016-12-19 05:59:41.000000000 +0100
+++ openssl-7.4p1/sftp-server.8 2017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
.Op Fl P Ar blacklisted_requests
.Op Fl p Ar whitelisted_requests
.Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
.Ek
.Nm
.Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@ Sets an explicit
.Xr umask 2

```

to be applied to newly-created files and directories, instead of the user's default mask.

```

+.It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
.El

```

.Pp

On some systems,

```

diff -up openssl-7.4p1/sftp-server.c.sftp-force-mode openssl-7.4p1/sftp-server.c
--- openssl-7.4p1/sftp-server.c.sftp-force-mode 2017-02-09 10:22:36.498019921 +0100
+++ openssl-7.4p1/sftp-server.c 2017-02-09 10:35:07.190520959 +0100
@@ -65,6 +65,10 @@ struct sshbuf *oqueue;
/* Version of client */
static u_int version;

```

```

+/* Force file permissions */

```

```

+int permforce = 0;

```

```

+long permforcemode;

```

```

+

```

```

/* SSH2_FXP_INIT received */

```

```

static int init_done;

```



```

@@ -679,6 +683,7 @@ process_open(u_int32_t id)
Attrib a;
char *name;
int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+ mode_t old_umask = 0;

if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
    (r = sshbuf_get_u32(iqueue, &pflags)) != 0 || /* portable flags */
@@ -688,6 +693,10 @@ process_open(u_int32_t id)
debug3("request %u: open flags %d", id, pflags);
flags = flags_from_portable(pflags);
mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+ if (permforce == 1) { /* Force perm if -m is set */
+ mode = permforcemode;
+ old_umask = umask(0); /* so umask does not interfere */
+ }
logit("open \"%s\" flags %s mode 0%o",
    name, string_from_portable(pflags), mode);
if (readonly &&
@@ -709,6 +718,8 @@ process_open(u_int32_t id)
}
}
}
+ if (permforce == 1)
+ (void) umask(old_umask); /* restore umask to something sane */
if (status != SSH2_FX_OK)
    send_status(id, status);
free(name);
@@ -1490,7 +1501,7 @@ sftp_server_usage(void)
fprintf(stderr,
    "usage: %s [-ehR] [-d start_directory] [-f log_facility] "
    "[-l log_level]\n\t[-P blacklisted_requests] "
-   "[-p whitelisted_requests] [-u umask]\n"
+   "[-p whitelisted_requests] [-u umask] [-m force_file_perms]\n"
    "    %s -Q protocol_feature\n",
    __progname, __progname);
exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopyp(user_pw);

while (!skipargs && (ch = getopt(argc, argv,
-   "d:f:l:P:p:Q:u:cehR")) != -1) {
+   "d:f:l:P:p:Q:u:m:cehR")) != -1) {
    switch (ch) {
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
@@ -1576,6 +1587,15 @@ sftp_server_main(int argc, char **argv,
        fatal("Invalid umask \"%s\"", optarg);

```

```
(void)umask((mode_t)mask);
break;
+ case 'm':
+ /* Force permissions on file received via sftp */
+ permforce = 1;
+ permforcemode = strtol(optarg, &cp, 8);
+ if (permforcemode < 0 || permforcemode > 0777 ||
+ *cp != '\0' || (permforcemode == 0 &&
+  errno != 0))
+ fatal("Invalid file mode \"%s\"", optarg);
+ break;
case 'h':
default:
sftp_server_usage();
```

1.426 axiom-api 1.2.13

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1.428 tomcat-util-scan 9.0.37

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1.429 cxf-rt-security 2.7.14

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1.430 Icms 2.6 3.el7

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1.431 nfs-utils 1.3.0 0.21.el7

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

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<signature of Ty Coon>, 1 April 1990
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1.433 icu 57

1.433.1 Available under license :

```
## *-makefile-*  
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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
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## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC  
  
## Additional flags when building libraries and with threads  
THREADSCPPFLAGS = -D_REENTRANT  
LIBCPPFLAGS =  
  
## Compiler switch to embed a runtime search path  
LD_RPATH=  
LD_RPATH_PRE= -Wl,-rpath,  
  
## Compiler switch to embed a library name  
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))  
  
## Shared library options  
LD_SOOPTIONS= -Wl,-Bsymbolic  
  
## Shared object suffix
```



```

SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%. $(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

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

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

## Versioned libraries rules

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

## 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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#

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```
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```
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1.434 cxf-rt-ws-policy 2.7.14

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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/common/CompositeStringExpression.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/ConstructorExecutor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/MethodFilter.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/PropertyAccessor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/TypeReference.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/common/LiteralExpression.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
```

jar/org/springframework/expression/spel/ast/Elvis.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/Token.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/VariableReference.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/Identifier.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/LongLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/ExpressionException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/RealLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OperatorBetween.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/Operator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/Ternary.java
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jar/org/springframework/expression/spel/ast/CompoundExpression.java
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jar/org/springframework/expression/spel/ast/OperatorMatches.java
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jar/org/springframework/expression/spel/support/BooleanTypedValue.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/InternalParseException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/OperatorOverloader.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OpGT.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/BooleanLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OpAnd.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/Operation.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-

jar/org/springframework/expression/AccessException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/ExpressionParser.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/NullLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/TypeCode.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OpOr.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/MethodReference.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/Tokenizer.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/StringLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/TypeComparator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/SpelExpression.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/SpelNode.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/EvaluationException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/TypeLocator.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/SpelParserConfiguration.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-
jar/org/springframework/expression/spel/ast/OperatorNot.java
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- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/InlineList.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/Indexer.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorExecutor.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/common/TemplateParserContext.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/MethodResolver.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/common/ExpressionUtils.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/BeanResolver.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/BeanReference.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/Projection.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/Expression.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/IntLiteral.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/FunctionReference.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/EvaluationContext.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/ConstructorResolver.java
- * /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/Selection.java

* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpNE.java

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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpModulus.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/Literal.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpMinus.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpDivide.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpLE.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/FloatLiteral.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpMultiply.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/OpPlus.java

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Found in path(s):

* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/AstUtils.java

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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/SpelEvaluationException.java
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* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/TypeConverter.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-

jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ExpressionState.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/TypedValue.java
* /opt/cola/permits/1136045475_1613664806.4/0/spring-expression-3-1-4-release-sources-1-jar/org/springframework/expression/spel/support/ReflectionHelper.java

1.436 nss-pem 1.0.3-7.el7

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1.441 axiom-common-impl 1.2.13

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1.443 libcgrou 0.41 13.el7

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1.444 cxf-api 2.7.14

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Version 3, 29 June 2007

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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Version 3, 29 June 2007

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1.448 harfbuzz 1.7.5

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1.449 binutils 2.23.52

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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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@page

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```
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@end smallexample
```

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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
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```

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free

software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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

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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.

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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

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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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Appendix: How to Apply These Terms to Your New Libraries

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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.

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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.

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

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

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

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

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1.454 rpm 4.11.3-25.el7

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1.455 libxcb 1.11 4.e17

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1.456 e2fsprogs 1.42.9 13.el7

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*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.

+ trivial database library - standalone version

- trivial database library - private includes

-

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu/pub/linux/packages/ext2fs/

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```
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

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

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

```
image: $(BSD_LIB)
```

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(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
23-June-2007

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```

```
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1.461 axis2-transport-http 1.6.2

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```
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```

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```

```
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```

```
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```

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1.463 sqlite 3.7.17 8.e17

1.463.1 Available under license :

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<title>SQLite Copyright</title>
<style type="text/css">
body {
margin: auto;
font-family: Verdana, sans-serif;
padding: 8px 1%;
}
```

```

a { color: #044a64 }
a:visited { color: #734559 }

.logo { position:absolute; margin:3px; }
.tagline {
float:right;
text-align:right;
font-style:italic;
width:300px;
margin:12px;
margin-top:58px;
}

.menubar {
clear: both;
border-radius: 8px;
background: #044a64;
padding: 0px;
margin: 0px;
cell-spacing: 0px;
}

.toolbar {
text-align: center;
line-height: 1.6em;
margin: 0;
padding: 0px 8px;
}

.toolbar a { color: white; text-decoration: none; padding: 6px 12px; }
.toolbar a:visited { color: white; }
.toolbar a:hover { color: #044a64; background: white; }

.content { margin: 5%; }
.content dt { font-weight:bold; }
.content dd { margin-bottom: 25px; margin-left:20%; }
.content ul { padding:0px; padding-left: 15px; margin:0px; }

/* Things for "fancyformat" documents start here. */
.fancy img+p {font-style:italic}
.fancy .codeblock i { color: darkblue; }
.fancy h1,.fancy h2,.fancy h3,.fancy h4 {font-weight:normal;color:#044a64}
.fancy h2 { margin-left: 10px }
.fancy h3 { margin-left: 20px }
.fancy h4 { margin-left: 30px }
.fancy th { white-space:nowrap;text-align:left;border-bottom:solid 1px #444}
.fancy th, .fancy td {padding: 0.2em 1ex; vertical-align:top}
.fancy #toc a { color: darkblue ; text-decoration: none }
.fancy .todo { color: #AA3333 ; font-style : italic }
.fancy .todo:before { content: 'TODO:' }

```

```

.fancy p.todo { border: solid #AA3333 1px; padding: 1ex }
.fancy img { display:block; }
.fancy :link:hover, .fancy :visited:hover { background: wheat }
.fancy p,.fancy ul,.fancy ol { margin: 1em 5ex }
.fancy li p { margin: 1em 0 }
/* End of "fancyformat" specific rules. */

</style>

</head>
<body>
<div><!-- container div to satisfy validator -->

<a href="index.html">
</a>
<div><!-- IE hack to prevent disappearing logo--></div>
<div class="tagline">Small. Fast. Reliable.<br>Choose any three.</div>

<table width=100% class="menubar"><tr>
<td width=100%>
<div class="toolbar">
<a href="about.html">About</a>
<a href="sitemap.html">Sitemap</a>
<a href="docs.html">Documentation</a>
<a href="download.html">Download</a>
<a href="copyright.html">License</a>
<a href="news.html">News</a>
<a href="support.html">Support</a>
</div>
<script>
gMsg = "Search SQLite Docs..."
function entersearch() {
var q = document.getElementById("q");
if( q.value == gMsg ) { q.value = "" }
q.style.color = "black"
q.style.fontStyle = "normal"
}
function leavesearch() {
var q = document.getElementById("q");
if( q.value == "" ) {
q.value = gMsg
q.style.color = "#044a64"
q.style.fontStyle = "italic"
}
}
</script>
<td>

```



```
<div style="padding:0 1em 0px 0;white-space:nowrap">
<form name=f method="GET" action="http://www.sqlite.org/search">
  <input id=q name=q type=text
    onfocus="entersearch()" onblur="leavesearch()" style="width:24ex;padding:1px 1ex; border:solid white 1px;
font-size:0.9em ; font-style:italic;color:#044a64;" value="Search SQLite Docs...">
  <input type=submit value="Go" style="border:solid white 1px;background-color:#044a64;color:white;font-
size:0.9em;padding:0 1ex">
</form>
</div>
</table>
```

```
<div class=startsearch></div>
```

```
<h2>SQLite Copyright</h2>
```

```
<table align="right" vspace="0" hspace="10" border="1" cellpadding="20">
<tr><td align="center">
<br>
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<a href="http://en.wikipedia.org/wiki/Public_Domain">Public Domain</a>
</td></tr>
</table>
```

```
<p>
```

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```
</p>
```

```
<p>
```

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</p>

<p>

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<p>

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<p>

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</p>

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<title>SQLite Copyright Release Template</title>

<body bgcolor="white">

<h1 align="center">

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<p>

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<tr>

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Signature:

<p> </p>

<p> </p>

<p> </p>

</td><td valign="top" align="left">

Date:

</td></tr>

<td colspan=2>

Name (printed):

</td>

</tr>

</table>

</body>

</html>

1.464 jersey-json 1.18

1.465 curl 7.62.0

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

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

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

derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

medium customarily used for software interchange.

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by

this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined

library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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

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

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

1.470 coreutils 8.22 23.el7

1.470.1 Available under license :

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

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

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

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

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

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

form of a work.

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the

terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as

long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent

the only significant mode of use of the product.

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1.478 jettison 1.3

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

1.487 less 458 9.el7

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Less

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* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-jar/org/springframework/oxm/config/CastorMarshallerBeanDefinitionParser.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-jar/org/springframework/oxm/castor/CastorMarshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-jar/org/springframework/oxm/config/OxmNamespaceHandler.java

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* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/config/Jaxb2MarshallerBeanDefinitionParser.java
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jar/org/springframework/oxm/jaxb/Jaxb2Marshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/jaxb/ClassPathJaxb2TypeScanner.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/xstream/XStreamMarshaller.java
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* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/support/SaxResourceUtils.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/UnmarshallingFailureException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/UncategorizedMappingException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/xstream/XStreamUtils.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/xmlbeans/XmlOptionsFactoryBean.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/support/MarshallingSource.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/Unmarshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/config/XmlBeansMarshallerBeanDefinitionParser.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/Marshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/mime/MimeContainer.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/XmlMappingException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/ValidationFailureException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/castor/CastorMappingException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/MarshallingFailureException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/mime/MimeUnmarshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
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jar/org/springframework/oxm/MarshallingException.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/xmlbeans/XmlBeansMarshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
jar/org/springframework/oxm/mime/MimeMarshaller.java
* /opt/cola/permits/1136044922_1613665069.92/0/spring-oxm-3-1-4-release-sources-1-
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<OL TYPE="a">

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<PRE>

<VAR>one line to give the program's name and an idea of what it does.</VAR>

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</PRE>

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

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

<PRE>

Gnomovision version 69, Copyright (C) <VAR>year</VAR> <VAR>name of author</VAR>

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details

type `show w'. This is free software, and you are welcome

to redistribute it under certain conditions; type `show c'

for details.

</PRE>

<P>The hypothetical commands <SAMP>`show w'</SAMP> and <SAMP>`show c'</SAMP> should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than <SAMP>`show w'</SAMP> and <SAMP>`show c'</SAMP>; they could even be mouse-clicks or menu items--whatever suits your program.

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<PRE>

Yoyodyne, Inc., hereby disclaims all copyright

interest in the program `Gnomovision'

(which makes passes at compilers) written

by James Hacker.

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

Ty Coon, President of Vice

</PRE>

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

<P>Version 2, June 1991

<PRE>

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

</PRE>

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<P>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.

<P>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.

<P>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.

<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, while the latter only works together with the library.

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

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<OL TYPE="a">

The modified work must itself be a software library.

<P>

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<P>

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<P>

If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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<P>

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<PRE>

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1.491 libpng 1.5.13-7.el7_2

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```
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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1.493 openjdk 1.8.0u262

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xwd v1.0.7

xwd utility

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```
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## zlib v1.2.11
```

```
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```

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*/
```

```
/******
```

```
*
* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50
*
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*
*/
```

```
#####
```

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CUP Parser Generator for Java v 0.11b

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Ext headers	GL/glxt.h	Khronos
	GL/glxt.h	Khronos
	GL/wglxt.h	Khronos
	KHR/khrplatform.h	Khronos

include/GL/gl.h :

Mesa 3-D graphics library

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

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ASM Bytecode Manipulation Framework v8.0.1

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product

is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

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

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1.502 libvorbis 1.3.3 8.e17

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1.503 nginx 1.14.2

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```
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   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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1.513 cxf-tools-wsdlto-databinding-jaxb

2.7.14

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1.514 openssl 1.0.1e-42.el7.9

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1.515 datatype 1.4.01

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

Otherwise, if the work is a derivative of the Library, you may

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```
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.
```

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

That's all there is to it!

```
#!/bin/sh
```

```
# Get modification time of a file or directory and pretty-print it.
```

```
scriptversion=2010-08-21.06; # UTC
```

```
# Copyright (C) 1995-2013 Free Software Foundation, Inc.
# written by Ulrich Drepper <drepper@gnu.ai.mit.edu>, June 1995
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1.521 usbutils 007 5.e17

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1.522 slf4j-log4j 1.7.24

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1.523 time 1.7 45.el7

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1.524 hawtbuf 1.9

1.525 jline 0.9.93

1.526 geronimo-javamail 1.7.1

1.526.1 Available under license :

JavaMail 1.4

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1.527 httpcomponents-core 4.3

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1.531 curl 7.29.0 51.e17

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

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

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

(Used for compressed Transfer-Encoding support) Uses an MIT-style

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krb4

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

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1.532 freemarker 2.3.28

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src/manual/en_US/docgen-originals/figures/tree_with_alpha.png
src/manual/en_US/favicon.png
src/manual/en_US/figures/model2sketch.png
src/manual/en_US/figures/overview.png
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1.539 rsyslog 8.24.0

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1.541 taglibs-standard-spec 1.2.5

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1.545 xmlrpc-c 1.32.5 1905.svn2451.el7

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1.546 also 1.1.6-2.e17

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1.547 gdb 7.6.1 114.el7

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```
#!/usr/bin/env python
```

```
# Copyright (C) 2011-2013 Free Software Foundation, Inc.
```

```
#
```

```
# This file is part of GDB.
```

```
#
```

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```

```
"""copyright.py
```

This script updates the list of years in the copyright notices in

most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!

A useful command to review the output is:

```
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
```

This removes the bulk of the changes which are most likely to be correct.

```
"""
```

```
import datetime
import os
import os.path
import subprocess
```

```
def get_update_list():
```

```
    """Return the list of files to update.
```

```
    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!). The names of
    the files are relative to that root directory.
```

```
    """
```

```
    result = []
```

```
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
```

```
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
```

```
            for dirname in dirs:
```

```
                reldirname = "%s/%s" % (root, dirname)
```

```
                if (dirname in EXCLUDE_ALL_LIST
```

```
                    or reldirname in EXCLUDE_LIST
```

```
                    or reldirname in NOT_FSF_LIST
```

```
                    or reldirname in BY_HAND):
```

```
                    # Prune this directory from our search list.
```

```
                    dirs.remove(dirname)
```

```
            for filename in files:
```

```
                relpath = "%s/%s" % (root, filename)
```

```
                if (filename in EXCLUDE_ALL_LIST
```

```
                    or relpath in EXCLUDE_LIST
```

```
                    or relpath in NOT_FSF_LIST
```

```
                    or relpath in BY_HAND):
```

```
                    # Ignore this file.
```

```
                    pass
```

```
                else:
```

```
                    result.append(relpath)
```

```
    return result
```

```
def update_files(update_list):
```

"""Update the copyright header of the files in the given list.

We use gnulib's update-copyright script for that.

"""

```
# We want to use year intervals in the copyright notices, and
# all years should be collapsed to one single year interval,
# even if there are "holes" in the list of years found in the
# original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'
```

```
# Perform the update, and save the output in a string.
update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
update_cmd += update_list
```

```
p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                     stderr=subprocess.STDOUT)
update_out = p.communicate()[0]
```

```
# Process the output. Typically, a lot of files do not have
# a copyright notice :-(. The update-copyright script prints
# a well defined warning when it did not find the copyright notice.
# For each of those, do a sanity check and see if they may in fact
# have one. For the files that are found not to have one, we filter
# the line out from the output, since there is nothing more to do,
# short of looking at each file and seeing which notice is appropriate.
# Too much work! (~4,000 files listed as of 2012-01-03).
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)
```

```
for line in update_out:
    if line.endswith('\n'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
    else:
        # Unrecognized file format. !?!
        print "*** " + line
```

```
def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.
```

The filename is relative to the root directory.

This function assumes that the current working directory is that root directory.

The algorithm is fairly crude, meaning that it might return some false positives. I do not think it will return any false negatives... We might improve this function to handle more complex cases later...

```
"""
```

```
# For now, it may have a copyright notice if we find the word  
# "Copyright" at the (reasonable) start of the given file, say  
# 50 lines...  
MAX_LINES = 50
```

```
fd = open(filename)
```

```
lineno = 1  
for line in fd:  
    if 'Copyright' in line:  
        return True  
    lineno += 1  
    if lineno > 50:  
        return False  
return False
```

```
def main ():
```

```
    """The main subprogram."""
```

```
    if not os.path.isfile("gnulib/import/extra/update-copyright"):  
        print "Error: This script must be called from the gdb directory."  
    root_dir = os.path.dirname(os.getcwd())  
    os.chdir(root_dir)
```

```
    update_list = get_update_list()  
    update_files (update_list)
```

```
# Remind the user that some files need to be updated by HAND..  
if BY_HAND:  
    print  
    print "\033[31mREMINDER: The following files must be updated by hand." \  
        "\033[0m"  
    for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:  
        print " ", filename
```

```
#####
```

```
#
```

```
# Some constants, placed at the end because they take up a lot of room.  
# The actual value of these constants is not significant to the understanding  
# of the script.
```

```
#
```

```
#####
```

```

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (
    'gdb/CONTRIBUTE',
    'gdb/gnulib'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.

EXCLUDE_ALL_LIST = (
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "aclocal.m4",
)

# The list of files to update by hand.
BY_HAND = (
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
)

```

"sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
 "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
 "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
 "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
 "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
 "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
 "sim/arm/arminit.c",
 "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
 "sim/common/cgen-accftp.c",
 "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
 "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
 "sim/erc32/exec.c",
 "sim/mips/m16run.c", "sim/mips/sim-main.c",
 "sim/moxie/moxie-gdb.dts",
 # Not a single file in sim/ppc/ appears to be copyright FSF :-(.
 "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
 "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
 "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
 "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
 "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
 "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
 "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
 "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
 "sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
 "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
 "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
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 "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
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 "sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",
 "sim/ppc/bits.c", "sim/ppc/idecode_fields.h", "sim/ppc/hw_memory.c",
 "sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
 "sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
 "sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
 "sim/ppc/gen-icache.h", "sim/ppc/gen-model.h", "sim/ppc/ld-cache.h",
 "sim/ppc/mon.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
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 "sim/ppc/tree.c", "sim/ppc/mon.h", "sim/ppc/interrupts.h",


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"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",  
"sim/ppc/device_table.c", "sim/ppc/lf.c", "sim/ppc/lf.c",  
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",  
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",  
"sim/ppc/hw_htab.c", "sim/ppc/lf.h", "sim/ppc/ld-decode.c",  
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",  
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",  
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",  
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",  
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",  
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",  
)
```

```
if __name__ == "__main__":
```

```
    main()
```

```
    GNU LESSER GENERAL PUBLIC LICENSE
```

```
        Version 3, 29 June 2007
```

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```
@ignore
@c Set file name and title for man page.
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@settitle GNU General Public License
@c man begin SEEALSO
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@c man end
@c man begin COPYRIGHT
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```
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```
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```

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We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less

of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

@item

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.)

@end enumerate

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.

@item

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.

@item

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.

@item

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.

@item

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:

@enumerate a

@item

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

@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item

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

@item

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

@item

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

@end enumerate

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.

@item

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:

@enumerate a

@item

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.

@item

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.

@end enumerate

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

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

@item

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is

safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

```
@smallexample
```

```
@var{one line to give the library's name and an idea of what it does.}
```

```
Copyright (C) @var{year} @var{name of author}
```

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

```
@end smallexample
```

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

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:

```
@smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
```

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

```
BEGIN {
```

```
  FS="\";
```

```
  print "/* ==> Do not modify this file!! " \
```

```
  "-*- buffer-read-only: t -*- vi" \
```

```
  ":set ro:";
```

```
  print " It is created automatically by copying.awk.";
```

```
  print " Modify copying.awk instead. <== */";
```

```
  print ""
```

```
  print "#include \"defs.h\""
```

```

print "#include \"command.h\""
print "#include \"gdbcmd.h\""
print ""
print "static void show_copying_command (char *, int);"
print ""
print "static void show_warranty_command (char *, int);"
print ""
print "void _initialize_copying (void);"
print ""
print "static void";
print "show_copying_command (char *ignore, int from_tty)";
print "{";
}
NR == 1,/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ {
if ($0 ~ //)
{
printf " printf_filtered (\"\\n\");\n";
}
else if ($0 !~ /^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ )
{
printf " printf_filtered (\"";
for (i = 1; i < NF; i++)
printf "%s\\\" ", $i;
printf "%s\\n\");\n", $NF;
}
}
/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/ {
print "}";
print "";
print "static void";
print "show_warranty_command (char *ignore, int from_tty)";
print "{";
}
/^[ ]*15\ Disclaimer of Warranty\.[ ]*$/,/^[ ]*END OF TERMS AND CONDITIONS[ ]*$/ {
if (! ($0 ~ /^[ ]*END OF TERMS AND CONDITIONS[ ]*$/))
{
printf " printf_filtered (\"";
for (i = 1; i < NF; i++)
printf "%s\\\" ", $i;
printf "%s\\n\");\n", $NF;
}
}
END {
print "}";
print "";
print "void"
print "_initialize_copying (void)";
print "{";
}

```

```

print " add_cmd (\\"copying\\", no_set_class, show_copying_command,");
print " _(\"Conditions for redistributing copies of GDB.\");";
print " &showlist);";
print " add_cmd (\\"warranty\\", no_set_class, show_warranty_command,");
print " _(\"Various kinds of warranty you do not have.\");";
print " &showlist);";
print "";
print " /* For old-timers, allow \\"info copying\\", etc. */";
print " add_info (\\"copying\\", show_copying_command,");
print " _(\"Conditions for redistributing copies of GDB.\");";
print " add_info (\\"warranty\\", show_warranty_command,");
print " _(\"Various kinds of warranty you do not have.\");";
print "};";
}

```

1.548 dosfs-tools 3.0.20

1.548.1 Available under license :

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you

these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

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

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

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

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of

works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

1. Source Code.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major

Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the

written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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`show w'. This is free software, and you are welcome to redistribute
it under certain conditions; type `show c' for details.
```

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```
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```

```
signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
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1.551 jackson 2.10.1

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1.552 free-type 2.8-12.e17

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#
# All lines in this file are patterns, including the comment lines; this
# means that e.g. `FTL.TXT' matches all files that have this string in
# the file name (including the path relative to the current directory,
# always starting with `./').
#
# Don't put empty lines into this file!
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
```

```
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
```

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1.554 netbsd-resolv 2.13

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1.556 libthai 0.1.14 9.e17

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 1.3.2.4 2009-05-13 08:53:01 oleksiys Exp $
 */
```

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```
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
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jar/com/sun/xml/fastinfoset/Decoder.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/sax/AttributesHolder.java
```

```
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/algorithm/BASE64EncodingAlgorithm.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/algorithm/HexadecimalEncodingAlgorithm.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/sax/SAXDocumentParser.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
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jar/com/sun/xml/fastinfoset/algorithm/FloatEncodingAlgorithm.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/stax/StAXDocumentParser.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
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jar/com/sun/xml/fastinfoset/stax/EventLocation.java

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jar/org/jvnet/fastinfoset/sax/helpers/FastInfosetDefaultHandler.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/QualifiedName.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/util/FixedEntryStringIntMap.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/util/ValueArrayResourceException.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/com/sun/xml/fastinfoset/alphabet/BuiltInRestrictedAlphabets.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-
jar/org/jvnet/fastinfoset/sax/EncodingAlgorithmContentHandler.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/FI_SAX_XML.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/LongEncodingAlgorithm.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/LocalNameQualifiedNamesMap.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/sax/SAXDocumentSerializerWithPrefixMapping.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/FI_SAX_Or_XML_SAX_DOM_SAX_SAXEvent.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/sax/EncodingAlgorithmAttributes.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/ValueArray.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/sax/FastInfosetWriter.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/sax/PrimitiveTypeContentHandler.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/FastInfosetParser.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/sax/SystemIdResolver.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/StAXDocumentSerializer.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/StAX2SAXReader.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/factory/StAXInputFactory.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/EntityDeclarationImpl.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/KeyIntMap.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/util/StAXFilteredParser.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/Util.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/CharArray.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/PrintTable.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/EntityReferenceEvent.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/FI_SAX_Or_XML_SAX_SAXEvent.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/VocabularyGenerator.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/StartDocumentEvent.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/vocab/ParserVocabulary.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/FI_DOM_Or_XML_DOM_SAX_SAXEvent.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/tools/XML_SAX_StAX_FI.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/DuplicateAttributeVerifier.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/DecoderStateTables.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/ReadIterator.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/ShortEncodingAlgorithm.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/VocabularyApplicationData.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/EncodingAlgorithmException.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/sax/Properties.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/IntEncodingAlgorithm.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/BuiltInEncodingAlgorithmFactory.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/sax/RestrictedAlphabetContentHandler.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/FastInfosetSource.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/EncodingAlgorithmIndexes.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/ContiguousCharArrayArray.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/StAXEventAllocatorBase.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/IEEE754FloatingPointEncodingAlgorithm.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/CharactersEvent.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/EndDocumentEvent.java

* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/org/jvnet/fastinfoset/sax/FastInfosetReader.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/algorithm/IntegerEncodingAlgorithm.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/util/CharArrayArray.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/AttributeBase.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/events/EmptyIterator.java
* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-jar/com/sun/xml/fastinfoset/stax/factory/StAXEventFactory.java

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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-  
jar/com/sun/xml/fastinfoset/tools/SAXEventSerializer.java
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-  
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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-  
jar/com/sun/xml/fastinfoset/stax/events/StartElementEvent.java
```

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* /opt/cola/permits/1000966784_1646171595.15/0/fastinfoset-1-2-13-sources-  
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```

1.558 rpm 4.11.3 17.el7

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

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

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

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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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This option is useful when you wish to copy part of the code of

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

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

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1.559 jackson-databind 2.10.1

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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

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1.560 quota 4.01 17.el7

1.561 jsp 2.3.FR

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

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

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

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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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.

^L

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

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

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

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

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

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

That's all there is to it!

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

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

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

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

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distribution or on the World Wide Web at
<http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html>. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

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

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

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

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

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
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.=20

-- 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

>=20

> 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=20
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=20
=20mike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
>> I understand that, and you're welcome to bring it up with Alec
> directly
>> and see if he wants to relicense his code as LGPL... but at this
> point,
>> it was enough to just get it consistent and documented as to what
> it was
>> released under. This wasn't actually a license change, just a
>> clarification of the licensing that was already in place.
>=20
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> not
> GPL-2 ... it was a modified artistic license ... i didnt notice the
> license
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>=20
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> unless their
> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional code, so whatever licensing y'all come up with is fine
>> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

>>

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

>

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

>

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

>

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

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

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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

>

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

yes. go for it. thanks++

-a

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

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

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

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

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

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

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

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

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623

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 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>
> ----- Forwarded message -----
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
>
> 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.=20

-- 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

>=20

> 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
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the original license (before moving to sourceforge -- aka, 2.7) was not=20
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=20
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
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applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=20
=20Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
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> directly
>> and see if he wants to relicense his code as LGPL... but at this
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> place of a
> library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro
>> maintainers to get together with Alec in a conversation and come to a
>> decision as to what licensing scheme y'all want. I haven't really done
>> much other than cleaning up the packaging and patches and a small
>> bit of
>> additional code, so whatever licensing y'all come up with is fine
>> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.

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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...

>

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> 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
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> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

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

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

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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

>

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

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

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

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

-mike

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

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

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

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

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
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 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>

> ----- Forwarded message -----

> From: Neulinger, Nathan <nneul@umr.edu>

> Date: Sep 27, 2007 2:58 PM

> Subject: RE: cracklib license

> To: alecm@crypto.dircon.co.uk

>

> Any chance you could write me a self-contained email stating clearly

> that the license is being changed to GPL, so I could include that

> email

> in the repository and clean up the repository/tarballs? I have all the

> original discussion, but something succinct and self contained

> would be

> ideal.

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

Happy now? :-)

-a

1.564 libseccomp 2.3.1 3.el7

1.564.1 Available under license :

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

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51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
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 Lesser General Public License, applies to some
specially designated software packages--typically libraries--of the
Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
this license or the ordinary General Public License is the better
strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use,
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you have the freedom to distribute copies of free software (and charge
for this service if you wish); that you receive source code or can get
it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

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

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source
code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them

with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free

library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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

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

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".)

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

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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1.565 elfutils 0.172 2.el7

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1.566 cxf-tools-java2ws 2.7.14

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1.567 linuxconsoletools 1.4.5 3.e17

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Version 1.1

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```
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```
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1. Source Code.

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

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```
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-
jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-
jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-
jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-
jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-
jar/javassist/bytecode/annotation/Annotation.java
```


* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/StringMemberValue.java

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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/expr/Handler.java

* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformFieldAccess.java

* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/CtNewConstructor.java

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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/util/proxy/FactoryHelper.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/CtPrimitiveType.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/stackmap/BasicBlock.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/DeprecatedAttribute.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/compiler/SymbolTable.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/SyntheticAttribute.java
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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformNewClass.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformAfter.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/InstructionPrinter.java
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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/ClassPath.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/tools/reflect/CannotInvokeException.java

* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/ClassFilePrinter.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/CodeAttribute.java
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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/CodeAnalyzer.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformCall.java
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1.575 rpcbind 0.2.0 47.el7

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 */

1.576 mariadb 5.5.56 2.el7

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```
'#-----BS_STVARS_040_01-----#'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_02-----#'
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_03-----#'
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
```

1 Expected

```
'#-----BS_STVARS_040_04-----#'
```

```
SELECT @@license = @@GLOBAL.license;
```

```
@@license = @@GLOBAL.license
```

1

1 Expected

```
'#-----BS_STVARS_040_05-----#'
```

```
SELECT COUNT(@@license);
```

```
COUNT(@@license)
```

1

1 Expected

```
SELECT COUNT(@@local.license);
```

```
ERROR HY000: Variable 'license' is a GLOBAL variable
```

```
Expected error 'Variable is a GLOBAL variable'
```

```
SELECT COUNT(@@SESSION.license);
```

```
ERROR HY000: Variable 'license' is a GLOBAL variable
```

```
Expected error 'Variable is a GLOBAL variable'
```

```
SELECT COUNT(@@GLOBAL.license);
```

```
COUNT(@@GLOBAL.license)
```

1

1 Expected

```
SELECT license = @@SESSION.license;
```

```
ERROR 42S22: Unknown column 'license' in 'field list'
```

```
Expected error 'Readonly variable'
```

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Version 2.1, February 1999

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```

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=====

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```
##### mysql-test\t\license_basic.test #####
#
# Variable Name: license #
# Scope: Global #
# Access Type: Static #
# Data Type: string #
#
#
# Creation Date: 2008-02-07 #
# Author : Sharique Abdullah #
#
#
# Description:Test Cases of Dynamic System Variable license #
# that checks the behavior of this variable in the following ways #
# * Value Check #
# * Scope Check #
#
# Reference: http://dev.mysql.com/doc/refman/5.1/en/ #
# server-system-variables.html #
#
#####

--echo '#-----BS_STVARS_040_01-----#'
#####
# Displaying default value #
#####
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#-----BS_STVARS_040_02-----#'
#####
# Check if Value can set #
#####

--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SET @@GLOBAL.license=1;
--echo Expected error 'Read only variable'

SELECT COUNT(@@GLOBAL.license);
```

--echo 1 Expected

--echo '#-----BS_STVARS_040_03-----#'

#####

Check if the value in GLOBAL Table matches value in variable

#####

```
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
```

--echo 1 Expected

```
SELECT COUNT(@@GLOBAL.license);
```

--echo 1 Expected

```
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
```

--echo 1 Expected

--echo '#-----BS_STVARS_040_04-----#'

#####

Check if accessing variable with and without GLOBAL point to same variable

#####

```
SELECT @@license = @@GLOBAL.license;
```

--echo 1 Expected

--echo '#-----BS_STVARS_040_05-----#'

#####

Check if license can be accessed with and without @@ sign

#####

```
SELECT COUNT(@@license);
```

--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR

```
SELECT COUNT(@@local.license);
```

--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR

```
SELECT COUNT(@@SESSION.license);
```

--echo Expected error 'Variable is a GLOBAL variable'

```
SELECT COUNT(@@GLOBAL.license);
```

--echo 1 Expected

--Error ER_BAD_FIELD_ERROR

```
SELECT license = @@SESSION.license;
```

--echo Expected error 'Readonly variable'

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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

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1.581 libxml2 2.9.9

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1.582 tiles-template 3.0.8

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1.583 commons-codec 1.6

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1.585 eclipse-ui 3.6.1.M20100825 0800

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1.586 cxf-tools-common 2.7.14

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```

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```
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```

```
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1.588 jackson-jaxrs 1.9.2

1.589 json-smart 2.1.1

1.589.1 Available under license :

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```
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 */
```

Found in path(s):

```
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONUtil.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserInputStream.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/ArraysMapper.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONAwareEx.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParser.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/DefaultMapperOrdered.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserReader.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JStylerObj.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONStreamAwareEx.java
```

* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserString.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONValue.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserBase.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONStyle.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONAware.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONNavi.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONStreamAware.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONArray.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/FakeMapper.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/JsonReader.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/JsonReaderI.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/JSONObject.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/CollectionMapper.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserByteArray.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserMemory.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/JSONParserStream.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/parser/ParseException.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/CompressorMapper.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/DefaultMapperCollection.java
* /opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/BeansMapper.java
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- */

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*/opt/cola/permits/1136045252_1613665048.22/0/json-smart-2-1-1-sources-1-jar/net/minidev/json/writer/DefaultMapper.java

1.590 iputils 20121221 7.e17

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1.591 gpgme 1.3.2-5.e17

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* Tim Martin
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* Rob Earhart
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* Rob Siemborski
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/**
 * An exception class that is thrown as wrapped exception on instantiation of
 * {@link ResourceResolver} and {@link XmlParser} if some exception occurs
 *
 * @author noctarius
 * @since 0.0.1
 */
```

1.603 libx11 1.6.7-2.el7

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1.613 xorg-randr 1.5.1-2.el7

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1.617 plymouth 0.8.9

0.24.20140113.el7.centos

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1.618 spring-web 3.0.7.RELEASE

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```
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/client/ClientHttpRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/bind/support/WebRequestDataBinder.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/support/ServletContextResourceLoader.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/converter/StringHttpMessageConverter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/client/HttpServerErrorException.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/converter/xml/SourceHttpMessageConverter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/client/CommonsClientHttpResponse.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/util/UriPathHelper.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/converter/xml/Jaxb2RootElementHttpMessageConverter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/bind/annotation/ExceptionHandler.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/client/support/ProxyFactoryBean.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/http/converter/BufferedImageHttpMessageConverter.java
```

* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/annotation/ResponseBody.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/http/client/CommonsClientHttpRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/request/WebRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/http/server/ServerHttpRequest.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/request/RequestContextHolder.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/http/ResponseEntity.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/client/HttpMessageConverterExtractor.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/http/client/SimpleClientHttpResponse.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/http/HttpEntity.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/jaxws/AbstractJaxWsServiceExporter.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java
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- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/annotation/InitBinder.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/jsf/WebApplicationContextVariableResolver.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/annotation/ModelAttribute.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/support/SessionStatus.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/support/ServletContextAwareProcessor.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/support/SimpleSessionStatus.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/jsf/SpringBeanVariableResolver.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/HttpRequestHandler.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/util/IntrospectorCleanupListener.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/support/SessionAttributeStore.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/util/HttpSessionMutexListener.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/bind/support/WebBindingInitializer.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/request/SessionScope.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/multipart/MultipartResolver.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/jsf/el/WebApplicationContextFacesELResolver.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/filter/CharacterEncodingFilter.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/request/RequestScope.java
- * /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/multipart/MultipartException.java

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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/httpinvoker/HttpInvokerClientInterceptor.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/support/RequestHandledEvent.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/caucho/BurlapServiceExporter.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/remoting/caucho/HessianProxyFactoryBean.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/HttpRequestMethodNotSupportedException.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/util/WebAppRootListener.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/context/support/ServletContextAttributeExporter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
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* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-

jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/util/HtmlUtils.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/jsf/DelegatingVariableResolver.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/util/Log4jWebConfigurer.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/request/AbstractRequestAttributes.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/util/JavaScriptUtils.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/request/Log4jNestedDiagnosticContextInterceptor.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/bind/EscapedErrors.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/filter/OncePerRequestFilter.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/bind/annotation/support/HandlerMethodInvocationException.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java
* /opt/cola/permits/1136652159_1613848624.98/0/spring-web-3-0-7-release-sources-4-
jar/org/springframework/web/filter/GenericFilterBean.java
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1.626 keyutils 1.5.8 3.el7

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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.)

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1.630 pcre 7.8

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Written by: Philip Hazel
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Email domain: cam.ac.uk

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Cambridge, England.

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1.631 pixman 0.34.0 1.el7

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1.632 findutils 4.5.11 6.e17

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Version 3, 29 June 2007

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1.634 slf4j-simple 1.7.24

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 */
```

Found in path(s):

```
* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-
jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-
jar/org/slf4j/impl/SimpleLoggerFactory.java
* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-
```

jar/org/slf4j/impl/StaticLoggerBinder.java

* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-

jar/org/slf4j/impl/StaticMDCBinder.java

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* /opt/cola/permits/1136044785_1613665011.12/0/slf4j-simple-1-7-24-sources-1-

jar/org/slf4j/impl/SimpleLogger.java

1.635 stax 4.2.1

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1.636 giflib 4.1.6-9.el7

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1.637 cxf-xjc-bug671 3.0.2

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1.638 libsndfile 1.0.25

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source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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of these things:

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

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

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

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

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1.641 libteam 1.17 5.el7

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

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

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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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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.644 xmltooling 1.4.4

1.644.1 Available under license :

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/schema/xenc11-schema.xsd

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/util/ClassIndexedSet.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/SignatureTrustEngine.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/validator/ReferenceListSchemaValidator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/CipherReferenceUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/ReferenceListUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/NamedCurveUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/ECKeyValueBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/util/AttributeMap.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/AgreementMethodMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/CipherDataUnmarshaller.java

* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/PGPKeyPacket.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/ReferenceType.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/schema/impl/XSAnyBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/JImpl.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/ChainingEncryptedKeyResolver.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/DEREncodedKeyValueUnmarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/trust/ExplicitKeyTrustEvaluator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/X509DigestMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/X509SKIImpl.java
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/credential/criteria/EvaluableKeyNameCredentialCriteria.java
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/validation/AbstractValidatingXMLObject.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/encryption/impl/KeyReferenceBuilder.java
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/impl/RSAPKeyValueMarshaller.java
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/security/credential/FilesystemCredentialResolver.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/impl/EncryptionMethodImpl.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/Transforms.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/IdBearing.java
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jar/org/opensaml/xml/schema/impl/XSDateTimeBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/security/credential/criteria/EvaluableX509SubjectKeyIdentifierCredentialCriteria.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/security/trust/ExplicitX509CertificateTrustEngine.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/RecipientKeyInfo.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/schema/validator/XSIntegerSchemaValidator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-

jar/org/opensaml/xml/util/IndexingObjectStore.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/validator/X509DataSchemaValidator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/impl/EncryptionPropertiesMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/impl/RecipientKeyInfoMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/impl/CryptoBinaryMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/impl/KeyValueMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/security/credential/CredentialContextSet.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/schema/validator/XSDateTimeSchemaValidator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/schema/impl/XSQNameMarshaller.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/impl/TransformsBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/schema/impl/XSBase64BinaryBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/Public.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/Signer.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/impl/PIImpl.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/encryption/impl/KeyReferenceImpl.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/parse/XMLParserException.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/schema/impl/XSStringBuilder.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/ConfigurationException.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/parse/ClasspathResolver.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/security/SecurityConfiguration.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-
jar/org/opensaml/xml/signature/impl/X509CertificateImpl.java

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Schema for XML Signatures

<http://www.w3.org/2000/09/xmldsig#>

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

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/schema/xmldsig-core-schema.xsd

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*/

/**

* Encodes and decodes to and from Base64 notation.

*

* <p>

* Change Log:

* </p>

*

* 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 (<tt>int</tt>s that you "OR" together).

* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using

- * `<tt>decode(String s, boolean gzipCompressed)</tt>`. Added the ability to "suspend" encoding in the Output Stream
- * so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
- * v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when using GZIP streams. Added the ability to GZip-compress objects before encoding them.
- * 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.
- *
- *
- * <p>
- * I am placing this code in the Public Domain. Do with it as you will. This software comes with no guarantees or warranties but with plenty of well-wishing instead! Please visit http://iharder.net/base64 periodically to check for updates or to contribute improvements.
- * </p>
- *
- * @author Robert Harder
- * @author rob@iharder.net
- * @version 2.1
- */

Found in path(s):

* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/util/Base64.java

1.645 geo-ip 1.5.0-11.e17

1.645.1 Available under license :

[Note that while the core GeoIP library is licensed under the LGPL, the libGeoIPUpdate library depends on md5.c and types.h which are licensed under the GPL.]

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Version 2.1, February 1999

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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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* `configure.ac`, `Makefile.am`: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

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

Author: Julio Merino <jmmv@NetBSD.org>

* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`:

These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

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

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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.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes

2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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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.

Release	Derived from	Year	Owner	GPL compatible?
0.9.0 thru 1.2	n/a	1991-1995	CWI	yes

1.3 thru 1.5.2 1.2	1995-1999 CNRI	yes	
1.6	1.5.2 2000 CNRI	no	
2.0	1.6 2000 BeOpen.com	no	
1.6.1	1.6 2001 CNRI	no	
2.1	2.0+1.6.1 2001 PSF	no	
2.0.1	2.0+1.6.1 2001 PSF	yes	
2.1.1	2.1+2.0.1 2001 PSF	yes	
2.2	2.1.1 2001 PSF	yes	
2.1.2	2.1.1 2002 PSF	yes	
2.1.3	2.1.2 2002 PSF	yes	
2.2.1	2.2 2002 PSF	yes	
2.2.2	2.2.1 2002 PSF	yes	
2.2.3	2.2.2 2002-2003 PSF	yes	
2.3	2.2.2 2002-2003 PSF	yes	
2.3.1	2.3 2002-2003 PSF	yes	
2.3.2	2.3.1 2003 PSF	yes	
2.3.3	2.3.2 2003 PSF	yes	
2.3.4	2.3.3 2004 PSF	yes	
2.3.5	2.3.4 2005 PSF	yes	
2.4	2.3 2004 PSF	yes	
2.4.1	2.4 2005 PSF	yes	
2.4.2	2.4.1 2005 PSF	yes	
2.4.3	2.4.2 2006 PSF	yes	
2.4.4	2.4.3 2006 PSF	yes	

2.5	2.4	2006	PSF	yes	
+-----+-----+-----+-----+-----+					
2.5.1	2.5	2007	PSF	yes	
+-----+-----+-----+-----+-----+					
2.5.2	2.5.1	2008	PSF	yes	
+-----+-----+-----+-----+-----+					
2.5.3	2.5.2	2008	PSF	yes	
+-----+-----+-----+-----+-----+					
2.6	2.5	2008	PSF	yes	
+-----+-----+-----+-----+-----+					
2.6.1	2.6	2008	PSF	yes	
+-----+-----+-----+-----+-----+					
2.6.2	2.6.1	2009	PSF	yes	
+-----+-----+-----+-----+-----+					
2.6.3	2.6.2	2009	PSF	yes	
+-----+-----+-----+-----+-----+					
2.6.4	2.6.3	2010	PSF	yes	
+-----+-----+-----+-----+-----+					
2.7	2.6	2010	PSF	yes	
+-----+-----+-----+-----+-----+					

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Mersenne Twister

The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use `binascii` module to do the actual line-by-line conversion between `ascii` and `binary`. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The `:mod:`xmlrpclib`` module contains the following notice::

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test_epoll

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Select kqueue

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strtod and dtoa

The file `:file:`Python/dtoa.c``, which supplies C functions `dtoa` and `strtod` for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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libffi

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

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

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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

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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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1.660 man-db 2.6.3 11.el7

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Version 2.1, February 1999

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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1.661 axiom-impl 1.2.13

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1.662 cglib-nodep 2.2

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```

Found in path(s):

```
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/AbstractProcessTask.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/MethodFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ClassEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/LazyLoader.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/ClassTransformerTee.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/NoOp.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Predicate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/FixedValue.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Converter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/MethodFilterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Transformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/beans/BulkBean.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
```

jar/net/sf/cglib/core/ClassNameReader.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/reflect/ConstructorDelegate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/AddPropertyTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/ObjectSwitchCallback.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Local.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/FieldProvider.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/DuplicatesPredicate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/util/ParallelSorterEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/CodeGenerationException.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/ClassEmitterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/GeneratorStrategy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/proxy/InvocationHandler.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/ClassReaderGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/ClassTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/FieldProviderTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Signature.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/InterceptFieldTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/AnnotationVisitorTee.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/FastMember.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/TinyBitSet.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/UndeclaredThrowableStrategy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/ClassFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/impl/InterceptFieldCallback.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/TransformingClassLoader.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/proxy/ProxyRefDispatcher.java

* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/TransformingClassGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/impl/AddDelegateTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Callback.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Customizer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/AbstractClassTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/FastConstructor.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/MixinBeanEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/MethodVisitorTee.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/util/SorterTemplate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/ClassVisitorTee.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/beans/BeanGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/util/StringSwitcher.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/util/ParallelSorter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Dispatcher.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/DefaultGeneratorStrategy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ProcessSwitchCallback.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/beans/BulkBeanException.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/NamingPolicy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ProcessArrayCallback.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/ClassGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/Block.java

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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Factory.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/UndeclaredThrowableException.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/EmitUtils.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/ClassFilterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/CollectionUtils.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/MethodWrapper.java

* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/FastClass.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/CallbackGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/MulticastDelegate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/KeyFactory.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/MixinEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/CallbackFilter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/DispatcherGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/TypeUtils.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/MethodInterceptorGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/beans/BeanMap.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/AbstractClassGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/FastMethod.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/CodeEmitter.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/reflect/MethodDelegate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerChain.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/NoOpGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/beans/ImmutableBean.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/DebuggingClassWriter.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/VisibilityPredicate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandlerGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/DefaultNamingPolicy.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Mixin.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/impl/AddStaticInitTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/transform/AbstractClassLoader.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/FixedValueGenerator.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-

jar/net/sf/cglib/beans/BeanMapEmitter.java

* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/proxy/Proxy.java

* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-

jar/net/sf/cglib/beans/BulkBeanEmitter.java

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jar/net/sf/cglib/reflect/FastClassEmitter.java

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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/proxy/CallbackHelper.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/RejectModifierPredicate.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-jar/net/sf/cglib/core/MethodInfo.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/core/MethodInfoTransformer.java
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* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
jar/net/sf/cglib/transform/AbstractClassFilterTransformer.java
* /opt/cola/permits/1001048510_1651084462.98/0/cglib-nodep-2-2-sources-
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1.667 commons-beanutils 1.9.4

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1.668 asm 3.3.1

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```

Found in path(s):

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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/commons/EmptyVisitor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/Edge.java
```

* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/ClassWriter.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/MethodAdapter.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/analysis/Value.java
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jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
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jar/org/objectweb/asm/MethodWriter.java
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jar/org/objectweb/asm/tree/ClassNode.java
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jar/org/objectweb/asm/util/TraceAbstractVisitor.java
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jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/tree/InsnList.java
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* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
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jar/org/objectweb/asm/commons/package.html

* /opt/cola/permits/1135935623_1613639042.9/0/asm-all-3-3-1-sources-6-jar/org/objectweb/asm/util/package.html

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jar/org/objectweb/asm/tree/analysis/package.html

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jar/org/objectweb/asm/signature/package.html

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1.669 zlib 1.1.3

1.669.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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1.670 spring-beans 3.0.7.RELEASE

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* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/PropertyValue.java
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* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
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* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java
* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/factory/ListableBeanFactory.java
* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java
* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/cola/permits/1136652359_1613848860.77/0/spring-beans-3-0-7-release-sources-3-
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jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

1.674 spring-jms 3.0.7.RELEASE

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* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/AbstractJmsListeningContainer.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/config/JcaListenerContainerParser.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/SimpleMessageListenerContainer.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/connection/JmsResourceHolder.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/AbstractMessageListenerContainer.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/DefaultMessageListenerContainer.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/endpoint/JmsActivationSpecConfig.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/connection/UserCredentialsConnectionFactoryAdapter.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/config/AbstractListenerContainerParser.java

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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/MessageNotReadableException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/support/converter/MessageConverter.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/endpoint/JmsMessageEndpointFactory.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/TransactionInProgressException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/InvalidDestinationException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/connection/DelegatingConnectionFactory.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/support/destination/JmsDestinationAccessor.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/endpoint/JmsMessageEndpointManager.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/InvalidSelectorException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/InvalidClientIDException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/ResourceAllocationException.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/support/destination/DestinationResolver.java
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jar/org/springframework/jms/MessageEOFException.java
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jar/org/springframework/jms/MessageFormatException.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-
jar/org/springframework/jms/listener/endpoint/JmsActivationSpecFactory.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/listener/SessionAwareMessageListener.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/connection/TransactionAwareConnectionFactoryProxy.java

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* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-
jar/org/springframework/jms/core/SessionCallback.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-
jar/org/springframework/jms/listener/LocallyExposedJmsResourceHolder.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-
jar/org/springframework/jms/connection/CachedMessageConsumer.java
* /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-
jar/org/springframework/jms/connection/CachedMessageProducer.java
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jar/org/springframework/jms/core/BrowserCallback.java
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jar/org/springframework/jms/core/JmsOperations.java
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jar/org/springframework/jms/listener/SubscriptionNameProvider.java
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jar/org/springframework/jms/core/ProducerCallback.java
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jar/org/springframework/jms/connection/SessionProxy.java
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jar/org/springframework/jms/support/JmsAccessor.java
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- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/connection/CachingConnectionFactory.java
- * /opt/cola/permits/1136687521_1613859265.27/0/spring-jms-3-0-7-release-sources-3-jar/org/springframework/jms/remoting/JmsInvokerClientInterceptor.java

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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 (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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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
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2.3.4	2.3.3	2004	PSF	yes	
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2.4.2	2.4.1	2005	PSF	yes	
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2.4.4	2.4.3	2006	PSF	yes	
2.5	2.4	2006	PSF	yes	
2.5.1	2.5	2007	PSF	yes	
2.5.2	2.5.1	2008	PSF	yes	
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2.6.4	2.6.3	2010	PSF	yes	
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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`
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Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

The `:mod:`xmlrpclib`` module contains the following notice::

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Select kqueue

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strtod and dtoa

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For the server\util_md5.c component:

```

/*****
* NCSA HTTPd Server

```

```

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* httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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1.687 datatype 1.0

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1.688 glib-networking 2.50.0 1.el7

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```
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Version 2.1, February 1999

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1.690 jackson-mapper-asl 1.9.0

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```
* /opt/ws_local/PERMITS_SQL/1078437032_1597301314.72/0/jackson-mapper-asl-1-9-0-sources-3-  
jar/org/codehaus/jackson/map/MappingJsonFactory.java
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1.691 cxf-rt-bindings-corba 2.7.14

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1.692 commons-lang3 2.4

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1.693 spring-framework 3.0.7.RELEASE

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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/ConstantException.java
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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/ErrorHandler.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/StringToLocaleConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/type/ClassMetadata.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/type/MethodMetadata.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/xml/StaxSource.java

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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/convert/support/ArrayToCollectionConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/ConfigurableObjectInputStream.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-

jar/org/springframework/core/convert/support/MapToMapConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/LinkedCaseInsensitiveMap.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/GenericConversionService.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/StringUtils.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/GenericTypeResolver.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/AttributeAccessorSupport.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/TypeDescriptor.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/converter/GenericConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/ArrayToObjectConverter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
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jar/org/springframework/core/io/ByteArrayResource.java
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jar/org/springframework/core/BridgeMethodResolver.java
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jar/org/springframework/core/convert/support/CollectionToObjectConverter.java
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jar/org/springframework/core/ExceptionDepthComparator.java
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jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
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jar/org/springframework/core/convert/support/ConversionUtils.java
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jar/org/springframework/core/convert/support/StringToBooleanConverter.java
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- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/task/TaskTimeoutException.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/type/filter/AspectJTypeFilter.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/type/filter/TypeFilter.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/PatternMatchUtils.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/io/support/EncodedResource.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/style/ValueStyler.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/style/StylerUtils.java
- * /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/io/FileSystemResourceLoader.java
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jar/org/springframework/util/comparator/InvertibleComparator.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/comparator/NullSafeComparator.java
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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/DefaultPropertiesPersister.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/util/CommonsLogWriter.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-
jar/org/springframework/core/style/ToStringCreator.java
```

* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/NamedInheritableThreadLocal.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/task/TaskExecutor.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/xml/DomUtils.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/io/FileSystemResource.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/NamedThreadLocal.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/task/TaskRejectedException.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/DecoratingClassLoader.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/ControlFlowFactory.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/Constants.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/style/DefaultValueStyler.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/Log4jConfigurer.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/style/DefaultToStringStyler.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/FileCopyUtils.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/AutoPopulatingList.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/comparator/CompoundComparator.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/io/DescriptiveResource.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/comparator/ComparableComparator.java
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* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/InfrastructureProxy.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/ConcurrencyThrottleSupport.java
* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/util/xml/SimpleTransformErrorListener.java

* /opt/cola/permits/1136652693_1613848766.9/0/spring-core-3-0-7-release-sources-4-jar/org/springframework/core/AliasRegistry.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/stax/WstxEventFactory.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/io/EBCDICCodec.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/PrefixNameSet.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
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jar/com/ctc/wstx/io/WstxInputData.java
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jar/com/ctc/wstx/dtd/StructValidator.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-
jar/com/ctc/wstx/dtd/DFAState.java
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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/SimpleOutputElement.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/util/BijectiveNsMap.java

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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sax/SAXProperty.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sax/WstxSAXParser.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sax/WrappedSaxException.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sax/SAXFeature.java

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- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/FullDTDReader.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/StreamScanner.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/EncodingXmlWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/BaseStreamWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/XmlWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDValidator.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/MinimalDTDReader.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDTypingNonValidator.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/InputElementStack.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/ISOLatin1XmlWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDEventListener.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/NsDefaultProvider.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/TypedStreamReader.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/BufferingXmlWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/io/ReaderBootstrapper.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/io/ISOLatinReader.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/NsInputElementStack.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDValidatorBase.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/AsciiXmlWriter.java
- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/TypedStreamWriter.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/io/WstxInputSource.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/XmlWriterWrapper.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDSubsetImpl.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/AttributeCollector.java

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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/evt/WstxEventReader.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/AttributeProxy.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/BaseSchemaFactory.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/util/ElementIdMap.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/RelaxNGSchema.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/RelaxNGSchemaFactory.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDSubset.java

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* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/util/SymbolTable.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/NonNsStreamWriter.java

* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDElement.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DefaultAttrValue.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/GenericMsvValidator.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/msv/W3CSchema.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sr/ValidatingStreamReader.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/stax/WstxInputFactory.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDAtribute.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/stax/WstxOutputFactory.java
* /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/dtd/DTDId.java

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- * /opt/cola/permits/1135936598_1613638434.54/0/woodstox-core-asl-4-0-11-sources-3-jar/com/ctc/wstx/sw/BaseNsStreamWriter.java

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1.700 libdrm 2.4.91 3.e17

1.701 pcre 8.32 17.el7

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel

Email local part: ph10

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1.702 gir1.2-gdkpixbuf-2.0 2.24.0

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1.704 icu 42

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BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)

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Commands to generate dependency files

GEN_DEPS.c= \$(CC) -E -MM \$(DEFS) \$(CPPFLAGS)

GEN_DEPS.cc= \$(CXX) -E -MM \$(DEFS) \$(CPPFLAGS)

Flags for position independent code

SHAREDLIBCFLAGS = -fPIC

SHAREDLIBCXXFLAGS = -fPIC

SHAREDLIBCPPFLAGS = -DPIC

Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT

LIBCPPFLAGS =

Compiler switch to embed a runtime search path

LD_RPATH=

LD_RPATH_PRE= -Wl,-rpath,

Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,\$(notdir \$(MIDDLE_SO_TARGET))

Shared library options

LD_SOOPTIONS= -Wl,-Bsymbolic

Shared object suffix

SO = so

Non-shared intermediate object suffix

STATIC_O = ao

Compilation rules

%. \$(STATIC_O): \$(srcdir)/%.c

\$(COMPILE.c) \$(STATICCPPFLAGS) \$(STATICCFLAGS) -o \$@ \$<

%.o: \$(srcdir)/%.c

\$(COMPILE.c) \$(DYNAMICCPPFLAGS) \$(DYNAMICCFLAGS) -o \$@ \$<

%. \$(STATIC_O): \$(srcdir)/%.cpp

\$(COMPILE.cc) \$(STATICCPPFLAGS) \$(STATICCXXFLAGS) -o \$@ \$<

%.o: \$(srcdir)/%.cpp

\$(COMPILE.cc) \$(DYNAMICCPPFLAGS) \$(DYNAMICCXXFLAGS) -o \$@ \$<

```

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

```

1.705 libgsm 1.0.13-11.e17

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Berlin, 28.11.1994
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1.706 regexp 2.7.1

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1.707 multipart-parser-c NA

1.707.1 Available under license :

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

```
/* Based on node-formidable by Felix Geisendörfer
* Igor Afonov - afonov@gmail.com - 2012
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*/
```

Found in path(s):

```
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.c
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-master/multipart_parser.h
```

1.708 commons-collections 3.1

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1.709 efivar 36 11.e17

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1.712 xmlsec-java 1.5.7

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1.713 pcre 8.32 15.el7

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1.714 icu 50.1.2-17.el7

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## *-makefile*-  
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
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## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)  
  
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC  
SHAREDLIBCXXFLAGS = -fPIC  
SHAREDLIBCPPFLAGS = -DPIC
```

```

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.${STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

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

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

## Versioned libraries rules

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

```

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

```
## End FreeBSD-specific setup
```

1.715 cyrus-sasl 2.1.26 23.el7

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```

```
* Tim Martin
```

```
* Rob Earhart
```

```
* Rob Siemborski
```

```
*/
```

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/*
```

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/* CMU libsasl

* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

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1.716 commons-lang3 2.6

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1.717 openscap 1.2.17 2.el7

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

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

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

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

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1.718 patch 2.7.1-10.el7_5

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Version 3, 29 June 2007

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```
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From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

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id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)

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id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From spcedt@armory.com Wed May 10 10:21:11 1995

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id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
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id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcedt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: <http://www.armory.com/~spcedt/>

X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu

Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts

} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995

} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;

```
}      9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

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@c ispell-local-pdict: "ispell-dict"
@c End:
From mikel@ora.com Tue Aug 1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP
(8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995
12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
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1.729 open-ldap 2.4.44-22.el7

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1.730 cxf-rt-frontend-jaxrs 2.7.14

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=====

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1.735 dhcp 4.2.5 68.el7.centos.1

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<!-- $Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

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

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

  <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">
    <xsl:text>
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```
</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:text> &#10;</xsl:text>
</xsl:for-each>
  <xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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```

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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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1.741 eclipse-jface 3.6.1.M20100825 0800

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1.745 glibc 2.17

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1.746 ncurses 5.9-13.20130511.el7

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Files: install-sh

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1.747 rng-tools 6.3.1 3.e17

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1.761 cxf-tools-wsdlt-core 2.7.14

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1.763 struts2-junit-plugin 2.5.22

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1.767 wget 1.14 18.e17

1.767.1 Available under license :

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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- web-app_3_0.xsd
- web-common_3_0.xsd
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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

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

It may happen that this requirement contradicts the license 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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1.773 graphite 1.2.2 5.el7

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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.

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software only, so we use the Lesser General Public License.

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

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

Activities other than copying, distribution and modification are not

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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.

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

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

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

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

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- a) Accompany the work with the complete corresponding

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

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

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

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

In August 2009 the upstream development and Debian packaging were taken over
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```
<one line to give the program's name and a brief idea of what it does.>  
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```

```
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the Free Software Foundation; either version 2 of the License, or  
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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

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

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1.778 grep 2.20-3.el7

1.778.1 Available under license :

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```
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1.779 pango 1.42.4-4.el7_8

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1.780 eclipse 3.6.1.R36x_v20100806

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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlMixed.java

* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/DomHandler.java

* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlAccessorType.java

* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-

jar/javax/xml/bind/annotation/XmlAnyElement.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlAttachmentRef.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlInlineBinaryData.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlAnyAttribute.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlSchemaTypes.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/annotation/XmlAccessOrder.java
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jar/javax/xml/bind/annotation/XmlAccessType.java
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jar/javax/xml/bind/annotation/XmlAccessorOrder.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
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jar/javax/xml/bind/helpers/PrintConversionEventImpl.java
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jar/javax/xml/bind/helpers/DefaultValidationEventHandler.java
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jar/javax/xml/bind/PrintConversionEvent.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/DatatypeConverter.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/helpers/AbstractUnmarshallerImpl.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/ValidationException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/JAXBException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-
jar/javax/xml/bind/ParseConversionEvent.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-

jar/javax/xml/bind/UnmarshalException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/helpers/AbstractMarshallerImpl.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/DatatypeConverterInterface.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/NotIdentifiableEvent.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/Element.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/UnmarshallerHandler.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/util/ValidationEventCollector.java
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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/Messages.java
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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/helpers/NotIdentifiableEventImpl.java
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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/MarshalException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/helpers/Messages.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/JAXBContext.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/helpers/ParseConversionEventImpl.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/Unmarshaller.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/TypeConstraintException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/util/JAXBResult.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/ValidationEventHandler.java
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- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlRootElement.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlElementRef.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlNs.java
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- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlTransient.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlSchema.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
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- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlNsForm.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/JAXBIntrospector.java
- * /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlType.java

* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlEnum.java
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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlElementDecl.java
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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlEnumValue.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlElement.java

1.783 util-linux 2.19.0

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NR START END SECTORS SIZE NAME UUID

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5 7936 12799 4864 2.4M
6 12544 16127 3584 1.8M

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1. Source Code.

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

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The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This

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1.784 openssl 0.9.8e

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1.785 libconfig 1.4.9 5.el7

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Upstream Author: Mark A Lindner

Mark Lindner - Lead developer & maintainer.

Daniel Marjamdki - Enhancements & bugfixes.

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```
@c \input texinfo.tex @c -*-texinfo-*-  
@c  
@c %**start of header
```

```
@c All text is ignored before the setfilename.  
@setfilename LGPL.info
```

```
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@center Version 2.1, February 1999
```

```
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```

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Ty Coon, President of Vice
}
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```

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6. <http://www.dre.vanderbilt.edu/~schmidt/ACE-members.html>
7. <http://www.wustl.edu/>
8. <http://www.uci.edu/>
9. <http://www.vanderbilt.edu/>
10. mailto:doc_group@cs.wustl.edu
11. <http://www.dre.vanderbilt.edu/~schmidt/ACE-users.html>
12. <http://www.dre.vanderbilt.edu/~schmidt/ACE.html>
13. <http://www.dre.vanderbilt.edu/~schmidt/TAO.html>
14. <http://www.dre.vanderbilt.edu/CIAO/>
15. http://www.dre.vanderbilt.edu/~schmidt/DOC_ROOT/DAnCE/
16. <http://www.dre.vanderbilt.edu/cosmic/>
17. <http://www.dre.vanderbilt.edu/>
18. <http://www.isis.vanderbilt.edu/>
19. <http://www.cs.wustl.edu/~schmidt/doc-center.html>
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23. <http://www.dre.vanderbilt.edu/~schmidt/ACE.html>

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1.789 pciutils 3.5.1-3.el7

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/SimpleTriggerFactoryBean.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/TimerManagerTaskScheduler.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/SchedulerAccessorBean.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/MailSendException.java

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- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/JobDetailBean.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/SchedulerFactoryBean.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/ResourceLoaderClassLoadHelper.java
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```

# Defaults for the Java Activation Framework
# Additional extensions registered in this file:
# text/plain  java c c++ pl cc h
#
#####

text/html  html htm HTML HTM
text/plain  txt text TXT TEXT java c c++ pl cc h
image/gif  gif GIF
image/ief  ief
image/jpeg  jpeg jpg jpe JPG
image/tiff  tiff tif
image/x-xwindowdump  xwd
application/postscript  ai eps ps
application/rtf  rtf
application/x-tex  tex
application/x-texinfo  texinfo texi
application/x-troff  t tr roff
audio/basic  au
audio/midi  midi mid
audio/x-aifc  aifc
audio/x-aiff  aif aiff
audio/x-mpeg  mpeg mpg
audio/x-wav  wav
video/mpeg  mpeg mpg mpe
video/quicktime  qt mov
video/x-msvideo  avi

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text/x-speech  talk
text/css  css
text/csv  csv

# IMAGE TYPES

# X-Windows bitmap (b/w)
image/x-xbitmap  xbm
# X-Windows pixelmap (8-bit color)
image/x-pxmap  xpm

```

```
# Portable Network Graphics
image/x-png  png
# Image Exchange Format (RFC 1314)
image/ief  ief
# JPEG
image/jpeg  jpeg jpg jpe
# RGB
image/rgb  rgb
# Group III Fax (RFC 1494)
image/g3fax  g3f
# X Windowdump format
image/x-xwindowdump  xwd
# Macintosh PICT format
image/x-pict  pict
# PPM (UNIX PPM package)
image/x-portable-pixmap  ppm
# PGM (UNIX PPM package)
image/x-portable-graymap  pgm
# PBM (UNIX PPM package)
image/x-portable-bitmap  pbm
# PNM (UNIX PPM package)
image/x-portable-anymap  pnm
# Microsoft Windows bitmap
image/x-ms-bmp  bmp
# CMU raster
image/x-cmu-raster  ras
# Kodak Photo-CD
image/x-photo-cd  pcd
# Computer Graphics Metafile
image/cgm  cgm
# CALS Type 1 or 2
image/x-cals  mil cal
# Fractal Image Format (Iterated Systems)
image/fif  fif
# QuickSilver active image (Micrografx)
image/x-mgx-dsf  dsf
# CMX vector image (Corel)
image/x-cmx  cmx
# Wavelet-compressed (Summus)
image/wavelet  wi
# AutoCad Drawing (SoftSource)
image/vnd.dwg  dwg
# AutoCad DXF file (SoftSource)
image/vnd.dxf  dxf
# Simple Vector Format (SoftSource)
image/vnd.svf  svf

# AUDIO/VOICE/MUSIC RELATED TYPES
```



```
# ""basic"" audio - 8-bit u-law PCM"
audio/basic  au snd
# Macintosh audio format (AIpple)
audio/x-aiff  aif aiff aifc
# Microsoft audio
audio/x-wav  wav
# MPEG audio
audio/x-mpeg  mpa abs mpega
# MPEG-2 audio
audio/x-mpeg-2  mp2a mpa2
# compressed speech (Echo Speech Corp.)
audio/echospeech  es
# Toolvox speech audio (Voxware)
audio/voxware  vox
# RapidTransit compressed audio (Fast Man)
application/fastman  lcc
# Realaudio (Progressive Networks)
application/x-pn-realaudio  ra ram
# MIDI music data
x-music/x-midi  mmid
# Koan music data (SSeyo)
application/vnd.koan  skp
# Speech synthesis data (MVP Solutions)
text/x-speech  talk

# VIDEO TYPES

# MPEG video
video/mpeg  mpeg mpg mpe
# MPEG-2 video
video/mpeg-2  mpv2 mp2v
# Macintosh Quicktime
video/quicktime  qt mov
# Microsoft video
video/x-msvideo  avi
# SGI Movie format
video/x-sgi-movie  movie
# VDOLive streaming video (VDOnet)
video/vdo  vdo
# Vivo streaming video (Vivo software)
video/vnd.vivo  viv

# SPECIAL HTTP/WEB APPLICATION TYPES

# Proxy autoconfiguration (Netscape browsers)
application/x-ns-proxy-autoconfig  pac
# Netscape Cooltalk chat data (Netscape)
```

x-conference/x-cooltalk ice

TEXT-RELATED

PostScript

application/postscript ai eps ps

Microsoft Rich Text Format

application/rtf rtf

Adobe Acrobat PDF

application/pdf pdf

Maker Interchange Format (FrameMaker)

application/vnd.mif mif

Troff document

application/x-troff t tr roff

Troff document with MAN macros

application/x-troff-man man

Troff document with ME macros

application/x-troff-me me

Troff document with MS macros

application/x-troff-ms ms

LaTeX document

application/x-latex latex

Tex/LateX document

application/x-tex tex

GNU TexInfo document

application/x-texinfo texinfo texi

TeX dvi format

application/x-dvi dvi

MS word document

application/msword doc DOC

Office Document Architecture

application/oda oda

Envoy Document

application/envoy evy

ARCHIVE/COMPRESSED ARCHIVES

Gnu tar format

application/x-gtar gtar

4.3BSD tar format

application/x-tar tar

POSIX tar format

application/x-ustar ustar

Old CPIO format

application/x-bcpio bcpio

POSIX CPIO format

application/x-cpio cpio

UNIX sh shell archive

application/x-shar shar
DOS/PC - Pkzipped archive
application/zip zip
Macintosh Binhexed archive
application/mac-binhex40 hqx
Macintosh Stuffit Archive
application/x-stuffit sit sea
Fractal Image Format
application/fractals fif
"Binary UUencoded"
application/octet-stream bin uu
PC executable
application/octet-stream exe
"WAIS ""sources"""
application/x-wais-source src wsrc
NCSA HDF data format
application/hdf hdf

DOWNLOADABLE PROGRAM/SCRIPTS

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

ANIMATION/MULTIMEDIA

FutureSplash vector animation (FutureWave)
application/futuresplash spl
mBED multimedia data (mBED)
application/mbedlet mbd
PowerMedia multimedia (RadMedia)
application/x-rad-powermedia rad

PRESENTATION

PowerPoint presentation (Microsoft)
application/mspowerpoint ppz
ASAP WordPower (Software Publishing Corp.)
application/x-asap asp
Astound Web Player multimedia data (GoldDisk)
application/astound asn

```
# SPECIAL EMBEDDED OBJECT

# OLE script e.g. Visual Basic (Ncompass)
application/x-olescript  axs
# OLE Object (Microsoft/NCompass)
application/x-oleobject  ods
# OpenScape OLE/OCX objects (Business@Web)
x-form/x-openscape  opp
# Visual Basic objects (Amara)
application/x-webbasic  wba
# Specialized data entry forms (Alpha Software)
application/x-alpha-form  frm
# client-server objects (Wayfarer Communications)
x-script/x-wfxclient  wfx
```

GENERAL APPLICATIONS

```
# Undefined binary data (often executable progs)
application/octet-stream  exe com
# Pointcast news data (Pointcast)
application/x-pcn  pcn
# Excel spreadsheet (Microsoft)
application/vnd.ms-excel  xls
# PowerPoint (Microsoft)
application/vnd.ms-powerpoint  ppt
# Microsoft Project (Microsoft)
application/vnd.ms-project  mpp
# SourceView document (Dataware Electronics)
application/vnd.svd  svd
# Net Install - software install (20/20 Software)
application/x-net-install  ins
# Carbon Copy - remote control/access (Microcom)
application/ccv  ccv
# Spreadsheets (Visual Components)
workbook/formulaone  vts
```

2D/3D DATA/VIRTUAL REALITY TYPES

```
# VRML data file
x-world/x-vrml  wrl vrml
# WIRL - VRML data (VREAM)
x-world/x-vream  vrw
# Play3D 3d scene data (Play3D)
application/x-p3d  p3d
# Viscape Interactive 3d world data (Superscape)
x-world/x-svr  svr
# WebActive 3d data (Plastic Thought)
```

x-world/x-wvr wvr
QuickDraw3D scene data (Apple)
x-world/x-3dmf 3dmf

SCIENTIFIC/MATH/CAD TYPES

Mathematica notebook
application/mathematica ma
Computational meshes for numerical simulations
x-model/x-mesh msh
Vis5D 5-dimensional data
application/vis5d v5d
IGES models -- CAD/CAM (CGM) data
application/iges igs
Autocad WHIP vector drawings
drawing/x-dwf dwf

Found in path(s):

* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/mime.types

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/ScheduledTimerListener.java

* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/LocalDataSourceJobStore.java

* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/DelegatingWork.java

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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/MimeMessageHelper.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/JobMethodInvocationFailedException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/SimpleMailMessage.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/DelegatingJob.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/jasperreports/JasperReportsUtils.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-

jar/org/springframework/mail/javamail/SmartMimeMessage.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/ui/velocity/VelocityEngineFactory.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/MailPreparationException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/javamail/MimeMessagePreparator.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/ui/velocity/VelocityEngineUtils.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/MailAuthenticationException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/ui/velocity/SpringResourceLoader.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/MailParseException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/MailException.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-
jar/org/springframework/mail/javamail/JavaMailSender.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/MimeMailMessage.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/DelegatingTimerListener.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/javamail/InternetAddressEditor.java
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* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/velocity/CommonsLoggingLogSystem.java
* /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/mail/MailSender.java
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- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/TimerManagerFactoryBean.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/velocity/VelocityEngineFactoryBean.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/commonj/TimerManagerAccessor.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactoryBean.java
- * /opt/cola/permits/1136045748_1613664720.56/0/spring-context-support-3-1-4-release-sources-2-jar/org/springframework/scheduling/quartz/SimpleThreadPoolTaskExecutor.java

1.791 gstreamer 1.10.4 2.el7

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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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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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- 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

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Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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

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

That's all there is to it!

<sect1 id="chapter-legal">

<title id="title-legal">GStreamer Legal Issues</title>

<para>

This part of the FAQ is based on a series of questions we asked the FSF to understand how the GPL works and how patents affects the GPL. These questions were answered by the <ulink url="http://www.fsf.org/">FSF lawyers</ulink>, so we view them as the final interpretation on how the GPL and LGPL interact with patents in our opinion. This consultancy was paid for by <ulink url="http://www.fluendo.com/">Fluendo</ulink> in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

</para>

<qandaset defaultlabel="qanda">

<qandaentry>

<question id="legal-distribute-three">

<para>

Can someone distribute the combination of

<itemizedlist>

<listitem><para>GStreamer, the LGPL library</para></listitem>

<listitem><para>MyPlayer, a GPL playback application</para></listitem>

<listitem><para>The binary-only Sorenson decoder</para></listitem>

</itemizedlist>

together in one distribution/operating system ? If not, what needs to be changed to make this possible ?

</para>

</question>

<answer>

<para>

This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.

</para>

<para>

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.

</para>

<para>

Note: MyPlayer is a completely fictitious application at the time of writing.

</para>

</answer>

</qandaentry>

<qandaentry>

<question id="legal-binary-plugin">

<para>

Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above.

Can Apple distribute this binary-only plugin ?

</para>

</question>

<answer>

<para>

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

</para>
</answer>
</qandaentry>

<qandaentry>
<question id="legal-gpl-program">

<para>
If a program released under the GPL uses a library that is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in ?

</para>
</question>

<answer>
<para>

You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.

</para>
</answer>
</qandaentry>

<qandaentry>
<question id="legal-safe-countries">

<para>
Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway ? If he/she visits the US, can he/she be arrested ?

</para>
</question>

<answer>
<para>

Yes, he can.
No, there are no criminal penalties for patent infringement in the US.

</para>
</answer>
</qandaentry>

<qandaentry>
<question id="legal-unsafe-countries">

<para>
Can someone from the US distribute software covered by US patents under the GPL to people in Norway ? To people in the US ?

</para>
</question>

<answer>

<para>

This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent infringing devices, including software.

</para>

</answer>

</qandaentry>

<qandaentry>

<question id="legal-gpl-library-patents">

<para>

There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project ?

</para>

</question>

<answer>

<para>

The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

</para>

<para>

The GPL and LGPL say (sections 7 and 11):

<quote>If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all.</quote>

</para>

</answer>

</qandaentry>

<qandaentry>

<question id="legal-gpl-court-judgment">

<para>

So let's say there is a court judgement. Does this mean that the GPL license is invalid for the project everywhere, or only in the countries where it conflicts with the applicable patents ?

</para>

</question>

<answer>

<para>

The GPL operates on a per-action, not per-program basis. That is, if you are in a country which has software patents, and a court tells you that you cannot distribute (say) libmad in source code form, then you cannot distribute libmad at all. This doesn't affect anyone else.

</para>

</answer>

</qandaentry>

<qandaentry>

<question id="legal-gpl-and-binary">

<para>

Patented decoding can be implemented in GStreamer either by having a binary-only plugin do the decoding, or by writing a plugin (with any applicable license) that links to a binary-only library.

Does this affect the licensing issues involved in regards to GPL/LGPL?

</para>

</question>

<answer>

<para>

No.

</para>

</answer>

</qandaentry>

<qandaentry>

<question id="legal-gpl-patent-distribution">

<para>

Is it correct that you cannot distribute the GPL mad library to decode mp3's, *even* in the case where you have obtained a valid license for decoding mp3 ?

</para>

</question>

<answer>

<para>

The only GPL-compatible patent licenses are those which are open to all parties possessing copies of GPL software which practices the teachings of the patent.

</para>

<para>

If you take a license which doesn't allow others to distribute original or modified versions of libmad practicing the same patent claims as the version you distribute, then you may not distribute at all.

</para>

</answer>
</qandaentry>
</qandaset>
</sect1>

1.792 nfs-utils 0.25 19.el7

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Fri, 6 Aug 2004 16:10:43 -0400.

The latest version can always be found at
<http://www.citi.umich.edu/projects/nfsv4/linux/>

Authors: J. Bruce Fields, Andy Adamson, Marius Eriksen

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1.793 redis 3.2.5

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1.794 oro 2.0.7

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Daniel Savarese <dfs at savarese.org> is the original author of the OROMatcher, PerlTools, AwkTools, and TextTools packages that became the Jakarta-ORO project.

Jon Stevens <jon at collab.net> helped prepare the first release of jakarta-oro and is a constant help in keeping the project consistent with the Jakarta project as a whole.

Takashi Okamoto <tokamoto at rd.nttdata.co.jp> has contributed a unicode character class fix and an initial posix character class implementation.

Mark Murphy <markm at tyrell.com> has contributed performance improvements to Perl5Substitution as well as adding support for \UuLiE and escaping of \$.

Michael Davey <michael.davey at coderage.org> fixed some documentation and added a missing int substitute(...) method to Perl5Util.

Harald Kuhn <harald at ontopia.net> updated MatchActionProcessor.processMatches() to accommodate character encodings.

```
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```

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1.795 jaxb-core 2.2.6

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compiler/cpp/src/generate/t_erl_generator.cc
compiler/cpp/src/generate/t_hs_generator.cc
compiler/cpp/src/generate/t_java_generator.cc
compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
compiler/cpp/src/generate/t_py_generator.cc
compiler/cpp/src/generate/t_rb_generator.cc
compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.l
compiler/cpp/src/thrift.y
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj

lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
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```
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/*

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L. Peter Deutsch
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*/

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1.802 ebttables 2.0.10 16.el7

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```

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```
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```

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

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1.803 kerberos 1.15.1-37.el7

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cmd/krb5/ipropl/ipropl.x
cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropld_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech_gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech_spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
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lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
```

lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c

lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

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

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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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1.808 linux-kernel 3.10.0-957

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```

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```
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```

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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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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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- * along with this program; if not, write to the Free Software
- * Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
- *
- * M. Welsh, 6 July 1996
- *
- *
- */

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

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for the nxt2004 frontend driver

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1.809 procps 3.3.10 23.e17

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1.810 cxf-xjc-runtime 3.0.2

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1.811 java-api 2.1

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```
/**
 * Grant permission to an external app to make API calls on behalf of the current application.
 *
 * @param apiKey
 *     the API-key of the application to grant permission to.
 * @param methods
 *     the API methods to allow the other application to call. If the set is empty or null, permission is granted for
all API methods.
 *
 * @return true if the operation succeeds false otherwise
 */
/**
 * Check to see what permissions have been granted to current app by the specified external application.
 *
 * For example:
 *
 * Application A grants permission on users.getInfo to Application B, Applicatio B can then call
permissions_checkAvailableApiAccess(A) and will recieve
 * "users.getInfo" as a result.
 *
 * @param apiKey
 *     the API key of the application to check for permissions from.
 *
 * @return a list of all API methods that the specified application has permission to use.
 */
```

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- * /opt/cola/permits/1126576570_1611717741.51/0/facebook-java-api-2-1-0-sources-jar/com/google/code/facebookapi/ProfileField.java
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* \$Header: /home/jerenkrantz/tmp/commons/commons-convert/cvs/home/cvs/jakarta-commons/httpclient/src/java/org/apache/commons/httpclient/CloseInputStream.java,v 1.9 2004/04/18 23:51:34 jsdever Exp \$

* \$Revision: 291181 \$

* \$Date: 2005-09-23 14:13:25 -0400 (Fri, 23 Sep 2005) \$

*

* =====

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*
*/

```

```
package org.apache.commons.httpclient;
```

```
import java.io.FilterInputStream;
import java.io.IOException;
import java.io.InputStream;
```

```

/**
 * Closes an underlying stream as soon as the end of the stream is reached, and
 * notifies a client when it has done so.
 *
 * @author Ortwin Glueck
 * @author Eric Johnson
 * @author <a href="mailto:mbowler@GargoyleSoftware.com">Mike Bowler</a>
 *
 * @since 2.0
 */

```

```
class AutoCloseInputStream extends FilterInputStream {
```

```

    /**
     * True if this stream is open. Assume that the underlying stream
     * is open until we get an EOF indication.
     */

```

```
    private boolean streamOpen = true;
```

```

    /** True if the stream closed itself. */
    private boolean selfClosed = false;

```

```

    /**
     * The watcher is notified when the contents of the stream have
     * been exhausted
     */

```

```

*/
private ResponseConsumedWatcher watcher = null;

/**
 * Create a new auto closing stream for the provided connection
 *
 * @param in the input stream to read from
 * @param watcher To be notified when the contents of the stream have been
 * consumed.
 */
public AutoCloseInputStream(
    final InputStream in, final ResponseConsumedWatcher watcher) {
    super(in);
    this.watcher = watcher;
}

/**
 * Reads the next byte of data from the input stream.
 *
 * @throws IOException when there is an error reading
 * @return the character read, or -1 for EOF
 */
public int read() throws IOException {
    int l = -1;

    if (isReadAllowed()) {
        // underlying stream not closed, go ahead and read.
        l = super.read();
        checkClose(l);
    }

    return l;
}

/**
 * Reads up to <code>len</code> bytes of data from the stream.
 *
 * @param b a <code>byte</code> array to read data into
 * @param off an offset within the array to store data
 * @param len the maximum number of bytes to read
 * @return the number of bytes read or -1 for EOF
 * @throws IOException if there are errors reading
 */
public int read(byte[] b, int off, int len) throws IOException {
    int l = -1;

    if (isReadAllowed()) {
        l = super.read(b, off, len);
    }
}

```

```

        checkClose(l);
    }

    return l;
}

/**
 * Reads some number of bytes from the input stream and stores them into the
 * buffer array b.
 *
 * @param b a <code>byte</code> array to read data into
 * @return the number of bytes read or -1 for EOF
 * @throws IOException if there are errors reading
 */
public int read(byte[] b) throws IOException {
    int l = -1;

    if (isReadAllowed()) {
        l = super.read(b);
        checkClose(l);
    }
    return l;
}

/**
 * Close the stream, and also close the underlying stream if it is not
 * already closed.
 * @throws IOException If an IO problem occurs.
 */
public void close() throws IOException {
    if (!selfClosed) {
        selfClosed = true;
        notifyWatcher();
    }
}

/**
 * Close the underlying stream should the end of the stream arrive.
 *
 * @param readResult The result of the read operation to check.
 * @throws IOException If an IO problem occurs.
 */
private void checkClose(int readResult) throws IOException {
    if (readResult == -1) {
        notifyWatcher();
    }
}

```

```

/**
 * See whether a read of the underlying stream should be allowed, and if
 * not, check to see whether our stream has already been closed!
 *
 * @return <code>true</code> if it is still OK to read from the stream.
 * @throws IOException If an IO problem occurs.
 */
private boolean isReadAllowed() throws IOException {
    if (!streamOpen && selfClosed) {
        throw new IOException("Attempted read on closed stream.");
    }
    return streamOpen;
}

/**
 * Notify the watcher that the contents have been consumed.
 * @throws IOException If an IO problem occurs.
 */
private void notifyWatcher() throws IOException {
    if (streamOpen) {
        super.close();
        streamOpen = false;

        if (watcher != null) {
            watcher.responseConsumed();
        }
    }
}
}

```

1.813 libtool 2.4.2 22.e17_3

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1.816 bash 4.2.46 31.e17

1.816.1 Available under license :

From spcedt@armory.com Wed May 10 10:21:11 1995

Flags: 10

Return-Path: spcedt@armory.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcedt@armory.com for <chet@odin.INS.CWRU.Edu>)

Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcedt@armory.com for <chet@po.cwru.edu>)

From: John DuBois <spcedt@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcedt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

```
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTTP (8.6.10+cwru/CWRU-2.1-ins)

id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)

Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT

Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT

Message-Id: <9505251618.AA16031@tepui.cli.com>

From: friedman@gnu.ai.mit.edu (Noah Friedman)

To: chet@po.cwru.edu

Subject: Bash scripts

Reply-To: friedman@gnu.ai.mit.edu

In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400

References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>

Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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Return-Path: mikel@ora.com
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From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
```

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

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1.820 tdb 1.3.15-1.e17

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1.823 commons-fileupload 1.2

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1.824 clang 6.0.1-2.el7

1.824.1 Available under license :

```
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s  
;  
; Test that early if conversion produces LOCR with operands of the right  
; register classes.
```

```
define void @autogen_SD4739(i8*) {  
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
```

BB:

```
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246
```

CF246: ; preds = %CF246, %BB

```
%S1163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248
```

CF248: ; preds = %CF248, %CF246

```
store i8 %S1163, i8* %0
br label %CF248
}
```

; NOTE: Assertions have been autogenerated by utils/update_llc_test_checks.py

```
; RUN: llc < %s -mtriple=x86_64-unknown-unknown -mattr=avx512vl,avx512bw,avx512dq,prefer-256-bit |
FileCheck %s
```

; This file primarily contains tests for specific places in X86ISelLowering.cpp that needed be made aware of the legalizer not allowing 512-bit vectors due to prefer-256-bit even though AVX512 is enabled.

```
define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: add256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpaddq (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpaddq 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
% d = load <16 x i32>, <16 x i32>* %a
% e = load <16 x i32>, <16 x i32>* %b
% f = add <16 x i32> %d, %e
store <16 x i32> %f, <16 x i32>* %c
ret void
}
```

```
define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
; CHECK-LABEL: add512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpaddq (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
% d = load <16 x i32>, <16 x i32>* %a
% e = load <16 x i32>, <16 x i32>* %b
```



```

%A = load <32 x i16>, <32 x i16>* %APtr
%B = load <32 x i16>, <32 x i16>* %BPtr
%a = sext <32 x i16> %A to <32 x i32>
%b = sext <32 x i16> %B to <32 x i32>
%m = mul nsw <32 x i32> %a, %b
%odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32
12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
%even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32
13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
%ret = add <16 x i32> %odd, %even
store <16 x i32> %ret, <16 x i32>* %CPtr
ret void
}

```

```

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-
width"="256" {
; CHECK-LABEL: psubus_64i8_max_256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa (%rdi), %ymm0
; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

```

```

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %yptr, <64 x i8>* %zptr) "min-legal-vector-
width"="512" {
; CHECK-LABEL: psubus_64i8_max_512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
; CHECK-NEXT: vpsubusb (%rsi), %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%x = load <64 x i8>, <64 x i8>* %xptr
%y = load <64 x i8>, <64 x i8>* %yptr
%cmp = icmp ult <64 x i8> %x, %y
%max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x

```

```

%res = sub <64 x i8> %max, %y
store <64 x i8> %res, <64 x i8>* %zptr
ret void
}

```

```

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-
width"="256" {

```

```

; CHECK-LABEL: _Z9test_charPcS_i_256:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: movl %edx, %eax
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: xorl %ecx, %ecx
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: vpxor %xmm2, %xmm2, %xmm2
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB8_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vpmovsxbw (%rdi,%rcx), %ymm3
; CHECK-NEXT: vpmovsxbw 16(%rdi,%rcx), %ymm4
; CHECK-NEXT: vpmovsxbw (%rsi,%rcx), %ymm5
; CHECK-NEXT: vpmaddwd %ymm3, %ymm5, %ymm3
; CHECK-NEXT: vpadd %ymm1, %ymm3, %ymm1
; CHECK-NEXT: vpmovsxbw 16(%rsi,%rcx), %ymm3
; CHECK-NEXT: vpmaddwd %ymm4, %ymm3, %ymm3
; CHECK-NEXT: vpadd %ymm2, %ymm3, %ymm2
; CHECK-NEXT: addq $32, %rcx
; CHECK-NEXT: cmpq %rcx, %rax
; CHECK-NEXT: jne .LBB8_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vpadd %ymm0, %ymm1, %ymm1
; CHECK-NEXT: vpadd %ymm0, %ymm2, %ymm0
; CHECK-NEXT: vpadd %ymm0, %ymm1, %ymm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT: vpshufd { {. *#+ } } xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpadd %ymm1, %ymm0, %ymm0
; CHECK-NEXT: vpshufd { {. *#+ } } xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body

```

```

vector.body:

```

```

%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]

```

```

%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

```

middle.block:

```

%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20,
i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32
12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}

```

```

define i32 @_Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-
width"="512" {

```

```

; CHECK-LABEL: _Z9test_charPcS_i_512:

```

```

; CHECK:      # %bb.0: # %entry

```

```

; CHECK-NEXT:  movl %edx, %eax
; CHECK-NEXT:  vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT:  xorl %ecx, %ecx
; CHECK-NEXT:  vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT:  .p2align 4, 0x90
; CHECK-NEXT:  .LBB9_1: # %vector.body
; CHECK-NEXT:  # =>This Inner Loop Header: Depth=1
; CHECK-NEXT:  vpmovsxbw (%rdi,%rcx), %zmm2
; CHECK-NEXT:  vpmovsxbw (%rsi,%rcx), %zmm3
; CHECK-NEXT:  vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT:  vpaddd %zmm1, %zmm2, %zmm1
; CHECK-NEXT:  addq $32, %rcx
; CHECK-NEXT:  cmpq %rcx, %rax
; CHECK-NEXT:  jne .LBB9_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpshufd {.*#+} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpshufd {.*#+} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
entry:
%3 = zext i32 %2 to i64
br label %vector.body

vector.body:
%index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
%vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
%4 = getelementptr inbounds i8, i8* %0, i64 %index
%5 = bitcast i8* %4 to <32 x i8>*
%wide.load = load <32 x i8>, <32 x i8>* %5, align 1
%6 = sext <32 x i8> %wide.load to <32 x i32>
%7 = getelementptr inbounds i8, i8* %1, i64 %index
%8 = bitcast i8* %7 to <32 x i8>*
%wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %10, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

```

middle.block:

```
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20,
i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32
12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf
%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> undef, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15
%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17
%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19
%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
```

@a = global [1024 x i8] zeroinitializer, align 16

@b = global [1024 x i8] zeroinitializer, align 16

```
define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
; CHECK-LABEL: sad_16i8_256:
; CHECK:      # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: vpxor %xmm1, %xmm1, %xmm1
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB10_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm2
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm2, %xmm2
; CHECK-NEXT: vpadd %ymm1, %ymm2, %ymm1
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB10_1
; CHECK-NEXT: # %bb.2: # %middle.block
```



```

1, i32 -1, i32 -1, i32 -1, i32 -1>
%8 = sub nsw <16 x i32> zeroinitializer, %6
%9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
%10 = add nsw <16 x i32> %9, %vec.phi
%index.next = add i64 %index, 4
%11 = icmp eq i64 %index.next, 1024
br i1 %11, label %middle.block, label %vector.body

```

middle.block:

```

%.lcssa = phi <16 x i32> [ %10, %vector.body ]
%rdx.shuf = shufflevector <16 x i32> %.lcssa, <16 x i32> undef, <16 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12,
i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <16 x i32> %.lcssa, %rdx.shuf
%rdx.shuf2 = shufflevector <16 x i32> %bin.rdx, <16 x i32> undef, <16 x i32> <i32 4, i32 5, i32 6, i32 7, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef>
%bin.rdx2 = add <16 x i32> %bin.rdx, %rdx.shuf2
%rdx.shuf3 = shufflevector <16 x i32> %bin.rdx2, <16 x i32> undef, <16 x i32> <i32 2, i32 3, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef>
%bin.rdx3 = add <16 x i32> %bin.rdx2, %rdx.shuf3
%rdx.shuf4 = shufflevector <16 x i32> %bin.rdx3, <16 x i32> undef, <16 x i32> <i32 1, i32 undef, i32 undef, i32
undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef,
i32 undef, i32 undef>
%bin.rdx4 = add <16 x i32> %bin.rdx3, %rdx.shuf4
%12 = extractelement <16 x i32> %bin.rdx4, i32 0
ret i32 %12
}

```

```

define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f32_256:
; CHECK:      # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  kshiftrw $8, %k0, %k1
; CHECK-NEXT:  vpmovm2d %k1, %ymm0
; CHECK-NEXT:  vcvt dq2ps %ymm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm1
; CHECK-NEXT:  vcvt dq2ps %ymm1, %ymm1
; CHECK-NEXT:  vmovaps %ymm1, (%rdi)
; CHECK-NEXT:  vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

```

```

define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f32_512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvt dq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

```

```

define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: sbto16f64_256:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm1
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT: vcvt dq2pd %xmm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm3
; CHECK-NEXT: vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT: vcvt dq2pd %xmm2, %ymm2
; CHECK-NEXT: vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT: vmovaps %ymm3, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT: vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

```

```

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: sbto16f64_512:
; CHECK:      # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vcvt dq2pd %ymm0, %zmm1
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT: vcvt dq2pd %ymm0, %zmm0

```

```

; CHECK-NEXT: vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT: vmovaps %zmm1, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = sitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
; CHECK-LABEL: ubto16f32_256:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: kshiftrw $8, %k0, %k1
; CHECK-NEXT: vpmovm2d %k1, %ymm0
; CHECK-NEXT: vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0
; CHECK-NEXT: vpmovm2d %k0, %ymm1
; CHECK-NEXT: vpsrld $31, %ymm1, %ymm1
; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1
; CHECK-NEXT: vmovaps %ymm1, (%rdi)
; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f32_512:
; CHECK: # %bb.0:
; CHECK-NEXT: vpmovw2m %ymm0, %k0
; CHECK-NEXT: vpmovm2d %k0, %zmm0
; CHECK-NEXT: vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0
; CHECK-NEXT: vmovaps %zmm0, (%rdi)
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x float>
store <16 x float> %1, <16 x float>* %res
ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {

```

```

; CHECK-LABEL: ubto16f64_256:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  kshiftrw $8, %k0, %k1
; CHECK-NEXT:  vpmovm2d %k1, %ymm0
; CHECK-NEXT:  vpsrld $31, %ymm0, %ymm0
; CHECK-NEXT:  vcvtdq2pd %xmm0, %ymm1
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT:  vcvtdq2pd %xmm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm2
; CHECK-NEXT:  vpsrld $31, %ymm2, %ymm2
; CHECK-NEXT:  vcvtdq2pd %xmm2, %ymm3
; CHECK-NEXT:  vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT:  vcvtdq2pd %xmm2, %ymm2
; CHECK-NEXT:  vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT:  vmovaps %ymm3, (%rdi)
; CHECK-NEXT:  vmovaps %ymm0, 96(%rdi)
; CHECK-NEXT:  vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL: ubto16f64_512:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  vpmovm2d %k0, %zmm0
; CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT:  vcvtdq2pd %ymm0, %zmm1
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:  vcvtdq2pd %ymm0, %zmm0
; CHECK-NEXT:  vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:  vmovaps %zmm1, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}

define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="256" {
; CHECK-LABEL: test_16f32toub_256:

```

```

; CHECK:    # %bb.0:
; CHECK-NEXT:  vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k0
; CHECK-NEXT:  vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k1
; CHECK-NEXT:  kunpckbw %k0, %k1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="512" {
; CHECK-LABEL: test_16f32toub_512:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:  vpslld $31, %zmm1, %zmm1
; CHECK-NEXT:  vpmovd2m %zmm1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptoui <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="256" {
; CHECK-LABEL: test_16f32tosb_256:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vcvttps2dq (%rdi), %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k0
; CHECK-NEXT:  vcvttps2dq 32(%rdi), %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k1
; CHECK-NEXT:  kunpckbw %k0, %k1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

```

```

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-
width"="512" {
; CHECK-LABEL: test_16f32tosb_512:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vcvttps2dq (%rdi), %zmm1
; CHECK-NEXT:  vpmovd2m %zmm1, %k1
; CHECK-NEXT:  vmovdqu16 %ymm0, %ymm0 {%k1} {z}
; CHECK-NEXT:  retq
%a = load <16 x float>, <16 x float>* %ptr
%mask = fptosi <16 x float> %a to <16 x i1>
%select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
ret <16 x i16> %select
}

```

```

define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) "min-legal-vector-width"="256" {
; CHECK-LABEL: mul256:
; CHECK:    # %bb.0:
; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13
],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ymm
0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[
31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm5 =
ymm0[8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
; CHECK-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
; CHECK-NEXT:  vmovdqa {{.*#+}} %ymm5 =
[255,255,255,255,255,255,255,255,255,255,255,255,255,255,255]
; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
; CHECK-NEXT:  vpunpcklbw {{.*#+}} %ymm2 =
ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[
5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[
19],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} %ymm0 =
ymm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23]
; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
; CHECK-NEXT:  vpand %ymm5, %ymm0, %ymm0
; CHECK-NEXT:  vpackuswb %ymm4, %ymm0, %ymm0
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm2 =
ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13
],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ymm
0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[
31]
; CHECK-NEXT:  vpunpckhbw {{.*#+}} %ymm4 =
ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13

```



```

; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm1 =
zmm1[0],zmm0[0],zmm1[1],zmm0[1],zmm1[2],zmm0[2],zmm1[3],zmm0[3],zmm1[4],zmm0[4],zmm1[5],zmm0[5]
,zmm1[6],zmm0[6],zmm1[7],zmm0[7],zmm1[16],zmm0[16],zmm1[17],zmm0[17],zmm1[18],zmm0[18],zmm1[19]
,zmm0[19],zmm1[20],zmm0[20],zmm1[21],zmm0[21],zmm1[22],zmm0[22],zmm1[23],zmm0[23],zmm1[32],zmm
0[32],zmm1[33],zmm0[33],zmm1[34],zmm0[34],zmm1[35],zmm0[35],zmm1[36],zmm0[36],zmm1[37],zmm0[37],
zmm1[38],zmm0[38],zmm1[39],zmm0[39],zmm1[48],zmm0[48],zmm1[49],zmm0[49],zmm1[50],zmm0[50],zmm1
[51],zmm0[51],zmm1[52],zmm0[52],zmm1[53],zmm0[53],zmm1[54],zmm0[54],zmm1[55],zmm0[55]
; CHECK-NEXT:  vpunpcklbw {{.*#+}} zmm0 =
zmm0[0,0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,32,32,33,33,34,34,35,35,36,3
6,37,37,38,38,39,39,48,48,49,49,50,50,51,51,52,52,53,53,54,54,55,55]
; CHECK-NEXT:  vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpandq %zmm3, %zmm0, %zmm0
; CHECK-NEXT:  vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT:  vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

```

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LLVM Release License

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*/

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-
prefixes=CHECK,VEC256,AVX

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -
mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-
prefixes=CHECK,VEC256,SKX256

; RUN: opt < %s -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -
mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512

```
define void @zext256() "min-legal-vector-width"="256" {
```

```
; VEC256-LABEL: 'zext256'
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i64> undef to <8 x  
i64>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x  
i64>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x  
i32>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x  
i32>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x  
i16>
```

```
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
```

```
;
```

```
; VEC512-LABEL: 'zext256'
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i64> undef to <8 x  
i64>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x  
i64>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x  
i32>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x  
i32>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x  
i16>
```

```
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
```

```
;
```

```
%A = zext <8 x i64> undef to <8 x i64>
```

```
%B = zext <8 x i32> undef to <8 x i64>
```

```
%C = zext <16 x i8> undef to <16 x i32>
```

```
%D = zext <16 x i16> undef to <16 x i32>
```

```
%E = zext <32 x i8> undef to <32 x i16>
```

```
ret void
```

```

}

define void @zext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'zext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'zext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'zext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = zext <8 x i16> undef to <8 x i64>
%B = zext <8 x i32> undef to <8 x i64>
%C = zext <16 x i8> undef to <16 x i32>
%D = zext <16 x i16> undef to <16 x i32>
%E = zext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext256() "min-legal-vector-width"="256" {
; VEC256-LABEL: 'sext256'

```

```

; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext256'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}

define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'sext512'

```

```

; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; SKX256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x
i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x
i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x
i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}
; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

```

```

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:
; preds = %entry
br label %while.body

while.body:
; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
i32 1, label %sw.bb.i
i32 2, label %sw.bb3.i
]

sw.bb.i:
; preds = %while.body
unreachable

sw.bb3.i:
; preds = %while.body
unreachable

exit:
; preds = %while.body
switch i32 undef, label %exit.2 [
i32 1, label %sw.bb.i17
i32 2, label %sw.bb3.i20
]

sw.bb.i17:
; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:
; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2:
; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end:
; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s

```

```

define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:

; First, extend each i32 to i64
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
%flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
%flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
; RUN: opt %s -inline -S | FileCheck %s

define internal void @innerSmall() "min-legal-vector-width"="128" {
ret void
}

```



```
define internal void @innerLarge() "min-legal-vector-width"="512" {  
  ret void  
}
```

```
define internal void @innerNoAttribute() {  
  ret void  
}
```

; We should not add an attribute during inlining. No attribute means unknown.
; Inlining doesn't change the fact that we don't know anything about this
; function.

```
define void @outerNoAttribute() {  
  call void @innerLarge()  
  ret void  
}
```

```
define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {  
  call void @innerLarge()  
  ret void  
}
```

```
define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {  
  call void @innerSmall()  
  ret void  
}
```

; We should remove the attribute after inlining since the callee's
; vector width requirements are unknown.

```
define void @outerAttribute() "min-legal-vector-width"="128" {  
  call void @innerNoAttribute()  
  ret void  
}
```

```
; CHECK: define void @outerNoAttribute() {  
; CHECK: define void @outerConflictingAttributeSmall() #0  
; CHECK: define void @outerConflictingAttributeLarge() #0  
; CHECK: define void @outerAttribute() {  
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }
```

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```
; RUN: opt -consthoist -S -o - %s | FileCheck %s
target datalayout = "e-m:e-p:32:32-i64:64-v128:64:128-a:0:32-n32-S64"
target triple = "thumbv6m-none--musleabi"
```

```
; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]?]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]?]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 31
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 7
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C4]], 31
; CHECK-NEXT: %11 = inttoptr i32 %[[M4]] to i8*
```

```

; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %5, i8* %12
; CHECK-NEXT: %[[M5:const_mat[0-9]?]] = add i32 %[[C3]], 7
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %[[M6:const_mat[0-9]?]] = add i32 %[[C1]], 80
; CHECK-NEXT: %14 = inttoptr i32 %[[M6]] to i8*
; CHECK-NEXT: store i8* %14, i8** @goo

```

```
@goo = global i8* undef
```

```

define void @foo_i8() {
entry:
%0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
%1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
%2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
%3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
%4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
store i8 %4, i8* inttoptr(i32 805873688 to i8*)
store i8 %3, i8* inttoptr(i32 805873719 to i8*)
store i8 %2, i8* inttoptr(i32 805873720 to i8*)
store i8 %1, i8* inttoptr(i32 805873727 to i8*)
store i8* inttoptr(i32 805874800 to i8*), i8** @goo
ret void
}

```

```

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 32
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C2]], 62
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttoptr i32 %[[C1]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C1]], 22
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i16*
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

```

```

define void @foo_i16() {
entry:
%0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
%1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
%2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
%3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
%4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
%5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
ret void
}

```

```

; Check that for i32 type, the maximum legal offset is 124.
; CHECK: foo_i32
; CHECK-DAG: %[[C1:const[0-9]?]] = bitcast i32 805874816 to i32
; CHECK-DAG: %[[C2:const[0-9]?]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i32*
; CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
; CHECK-NEXT: %[[M1:const_mat[0-9]?]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
; CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
; CHECK-NEXT: %[[M2:const_mat[0-9]?]] = add i32 %[[C2]], 124
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
; CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i32*
; CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
; CHECK-NEXT: %[[M3:const_mat[0-9]?]] = add i32 %[[C1]], 8
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i32*
; CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
; CHECK-NEXT: %[[M4:const_mat[0-9]?]] = add i32 %[[C1]], 12
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i32*
; CHECK-NEXT: %11 = load volatile i32, i32* %10, align 4

```

```

define void @foo_i32() {
entry:
%0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874828 to i32*), align 4
ret void
}

```

```

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```
; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s  
;  
; D31946  
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.  
; Additionally ensure that the output code actually put fp128 values in SSE registers.
```

```
declare fp128 @llvm.fabs.f128(fp128)  
declare fp128 @llvm.copysign.f128(fp128, fp128)
```

```
define fp128 @TestSelect(fp128 %a, fp128 %b) {  
  %cmp = fcmp ogt fp128 %a, %b
```

```

%sub = fsub fp128 %a, %b
%res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
ret fp128 %res
; CHECK-LABEL: TestSelect:
; CHECK    movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

define fp128 @TestFabs(fp128 %a) {
%res = call fp128 @llvm.fabs.f128(fp128 %a)
ret fp128 %res
; CHECK-LABEL: TestFabs:
; CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
%res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

define fp128 @TestFneg(fp128 %a) {
%mul = fmul fp128 %a, %a
%res = fsub fp128 0xL00000000000000000800000000000000, %mul
ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}

```

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```
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```

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```
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```

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

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1.828 vim 7.4.160 1.e17

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uganda.txt For Vim version 7.4. Last change: 2013 Jul 06

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a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them

available to him.

- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
 - e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
- 3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
 - 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

=====
Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. 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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*/

Arnaud LE HORS BULL Research FRANCE -- Koala Project

(XPM - X PixMap format version 2 & 3)

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1.830 libevent 2.0.21-4.el7

1.830.1 Available under license :

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win32select.c:

Copyright (c) 2003 Michael A. Davis <mike@datanerds.net>

evport.c:

Copyright (c) 2007 Sun Microsystems

ht-internal.h:

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minheap-internal.h:

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1.831 pango 1.42.4 1.e17

1.831.1 Available under license :

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Preamble

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

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

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

Because of this blurred distinction, using the ordinary General

Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

The precise terms and conditions for copying, distribution and 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.

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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

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

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

root function must still compute square roots.)

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

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In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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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:

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

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

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

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

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

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

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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1.835 osgi-services 3.2.100.v20100503

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1.837 atk 2.22.0 3.e17

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1.840 libxext 1.3.3-3.el7

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1.841 xml-commons-resolver 1.2

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```

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1.842 tomcat-ssi 9.0.37

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1.843 bzip2 1.0.6 13.e17

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

1.844 mesa 17.0.1 6.20170307.e17

1.844.1 Available under license :

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>

<iframe src="contents.html"></iframe>
```

<div class="content">

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</p>

<p>

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</p>

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<pre>

| Component | Location | License |
|-----------------|--|-----------------------------|
| Main Mesa code | src/ mesa/ | MIT |
| Device drivers | src/ mesa/ drivers/ * | MIT, generally |
| Gallium code | src/ gallium/ | MIT |
| Ext headers | include/ GL/ glxext.h
include/ GL/ glxext.h | Khronos |
| GLX client code | src/ glx/ | SGI Free Software License B |


```
C11 thread    include/c11/threads*.h Boost (permissive)
emulation
</pre>
```

<p>

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</p>

</div>

</body>

</html>

```
/* Legal characters in GLSL are:
```

```
*
```

```
* Identifier characters:
```

```
*
```

```
* Letters a-z
```

```
* Letters A-Z
```

```
* Underscore
```

```
* Numbers 0-9
```

```
*
```

```
* Punctuation:
```

```
*
```

```
* Period, plus, dash, slash, asterisk, percent, angled brackets,
```

```
* square brackets, parentheses, braces, caret, vertical bar,
```

```
* ampersand, tilde, equals, exclamation point, colon, semicolon,
```

```
* comma, and question mark
```

```
*
```

```
* Special:
```

```
*
```

```
* Number sign (as used in preprocessor)
```

```
*
```

```
* Backslash just before newline as line continuation
```

```
*
```

```
* White space:
```

```
*
```

```
* Space, horizontal tab, vertical tab, form feed, carriage-return,
```

```
* and line-feed.
```

```
*
```

```
* [GLSL Language Specification 4.30.6, section 3.1]
```

```
*
```

```
* In this file, we test each of these in turn as follows:
```

```
*
```

```
* Identifier characters: All pass through unchanged
```

```
* Punctuation: All pass through unchanged
```

```
* Special: Empty directive replaced with blank line
```

```
* Line continuation merges two lines, then a blank line
```

```
* Whitespace: 4 horizontal space characters each replaced with space
```

```
* 2 newline characters each replaced with a newline
```

*
*/
abcdefghijklmnopqrstuvwxy
ABCDEFGHIJKLMNOPQRSTUVWXYZ
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0123456789
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+
-
/
*
%
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[
]
(
)
{
}
^
|
&
~
=
!
:
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```

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```

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SOFTWARE."""
```

```
Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>
```

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:

> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
>
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

- * 2. Redistributions in binary form must reproduce the following statement:
- *
- * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
- * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
- *
- * Only for use in the Mesa project, this point 2 is filled by naming the
- * technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==

Fedora Project

1.845 mail 1.3

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1.846 dmidecode 3.12.2-3.el7

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```

```
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1.847 ncurses 5.9

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1.848 slf4j 1.7.25

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 */
```

Found in path(s):

- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/spi/LocationAwareLogger.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/Logger.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/impl/StaticMarkerBinder.java
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- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/LoggerFactory.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/BasicMarkerFactory.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/BasicMDCAdapter.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/BasicMarker.java
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- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/spi/LoggerFactoryBinder.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/NOPMDCAdapter.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/impl/StaticLoggerBinder.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/MessageFormatter.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/spi/MDCAdapter.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/impl/StaticMDCBinder.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/NOPLogger.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/ILoggerFactory.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/Util.java
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- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/NamedLoggerBase.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/helpers/FormattingTuple.java
- * /opt/cola/permits/1126029915_1611547194.91/0/slf4j-api-1-7-25-sources-zip/org/slf4j/IMarkerFactory.java

1.849 kexec-tools 2.0.15 21.e17

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*

* An almost complete rewrite of MySpell for use by
* the Mozilla project has been developed by David Einstein
* (Deinst@world.std.com). David and I are now
* working on parallel development tracks to help
* our respective projects (Mozilla and OpenOffice.org
* and we will maintain full affix file and dictionary
* file compatibility and work on merging our versions
* of MySpell back into a single tree. David has been
* a significant help in improving MySpell.

*

* Special thanks also go to La'szlo' Ne'meth
* <nemethl@gyorsposta.hu> who is the author of the
* Hungarian dictionary and who developed and contributed
* the code to support compound words in MySpell
* and fixed numerous problems with the encoding
* case conversion tables.

*

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1.854 commons-logging 1.2

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```
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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/package.html

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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogConfigurationException.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Log4JLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java
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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogSource.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogKitLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/Log.java

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* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/ServletContextCleaner.java

1.855 newt 0.52.15 4.e17

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1.859 net-snmp 5.7.2

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1.862 commons-pool 1.2

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Found in path(s):

```
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-
jar/org/apache/commons/pool/impl/SoftReferenceObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-
jar/org/apache/commons/pool/impl/StackObjectPoolFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-
jar/org/apache/commons/pool/impl/GenericObjectPoolFactory.java
```

* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/ObjectPoolFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/BasePoolableObjectFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/StackObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/ObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/StackKeyedObjectPoolFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/GenericObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/GenericKeyedObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/GenericKeyedObjectPoolFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/BaseKeyedPoolableObjectFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/KeyedObjectPoolFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/BaseKeyedObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/impl/StackKeyedObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/BaseObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/PoolableObjectFactory.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/KeyedObjectPool.java
* /opt/cola/permits/1136046059_1613665097.16/0/commons-pool-1-2-sources-1-jar/org/apache/commons/pool/KeyedPoolableObjectFactory.java

1.863 libpng 1.2.56

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```
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```

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glennrp at users.sourceforge.net
December 17, 2015

1.864 jetty-security 8.1.15.v20140411

1.865 libcanberra 0.30 5.e17

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GIMP Palette

Name: custompalette

Columns: 4

#

0 0 0 Index 3

65 38 30 Index 4

103 62 49 Index 6

79 73 72 Index 7

114 101 97 Index 8

208 127 100 Index 9

151 144 142 Index 10

221 207 199 Index 11

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1.869 zlib 1.2.7-18.el7

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1.870 tiles-el 3.0.8

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1.871 openafs 2.4.8 6.el7

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1.872 tomcat-jaspic-api 9.0.37

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1.876 json-java 20131018

1.877 avahi 0.6.31 19.e17

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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.

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the

user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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If any portion of this section is held invalid or unenforceable under

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

```
<one line to give the library's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

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

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

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

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

That's all there is to it!

1.878 mesa 10.6.5 3.20150824.e17

1.878.1 Available under license :

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,

- >
- > What we meant with that is that we made an exception for clause 2.
- > Instead of clause 2, in the case of the Mesa project, you have to name
- > the technique Jimenez's MLAA in the config options of Mesa. We did that
- > just to allow them to solve license issues. This exception should be for
- > the Mesa project, and any project using Mesa, like Fedora.
- >
- > We want to widespread usage of our MLAA, so we want to avoid any kind of
- > license complications. Hope current one is good for Fedora, if not
- > please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that
just to allow them to solve license issues. This exception should be for
the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of
license complications. Hope current one is good for Fedora, if not
please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

- * 2. Redistributions in binary form must reproduce the following statement:
- *
- * "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
- * Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
- *
- * Only for use in the Mesa project, this point 2 is filled by naming the
- * technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==

Fedora Project

Some parts of Mesa are copyrighted under the GNU LGPL. See the Mesa/docs/COPYRIGHT file for details.

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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

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

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

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide

complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free

libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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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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1.879 unbound 1.6.6-5.el7

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1.882 spring-web-mvc 3.1.4.RELEASE

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ExtendedServletRequestDataBinder.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/DispatcherServlet.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
```

jar/org/springframework/web/servlet/mvc/multiaction/MultiActionController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletRequestMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/ContentNegotiatingViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletResponseMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/support/AbstractFlashMapManager.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/FlashMap.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/RedirectView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/jasperreports/AbstractJasperReportsView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ServletInvocableHandlerMethod.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/support/RequestContextUtils.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/support/SessionFlashMapManager.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/RedirectAttributesMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/UriComponentsBuilderMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/annotation/DefaultAnnotationHandlerMapping.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerMapping.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/FlashMapManager.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/AbstractCachingViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-

jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/json/MappingJackson2JsonView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/condition/AbstractMediaTypeExpression.java
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jar/org/springframework/web/servlet/config/annotation/EnableWebMvc.java
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jar/org/springframework/web/servlet/tags/ParamTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/tags/Param.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/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/xslt/XsltView.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/BindTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/CancellableFormController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/ServletForwardingController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/HttpRequestHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/SimpleFormController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractUrlViewController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/i18n/FixedLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/NestedPathTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/TransformTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/AbstractCommandController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/RequestToViewNameTranslator.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/EditorAwareTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-

jar/org/springframework/web/servlet/mvc/SimpleControllerHandlerAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/AbstractTemplateViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/BaseCommandController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/ParameterizableViewController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/AbstractWizardFormController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/mvc/AbstractFormController.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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jar/org/springframework/web/servlet/view/jasperreports/JasperReportsPdfView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/jasperreports/JasperReportsHtmlView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/jasperreports/JasperReportsXlsView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/jasperreports/JasperReportsCsvView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/tags/EscapeBodyTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
```

* @since 3.1

*/

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/MappedInterceptor.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateView.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityViewResolver.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/TilesView.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/ParamAware.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/UrlTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/ViewResolver.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-

jar/org/springframework/web/servlet/view/UrlBasedViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfigurer.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/ResourceBundleViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/AbstractView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/tiles2/SpringBeanPreparerFactory.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/tags/form/ValueFormatter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/handler/SimpleMappingExceptionHandlerResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/handler/AbstractDetectingUrlHandlerMapping.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/velocity/VelocityLayoutView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/tiles2/SimpleSpringPreparerFactory.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/json/package-info.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/view/XmlViewResolver.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/config/annotation/ViewControllerRegistry.java
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jar/org/springframework/web/servlet/mvc/method/annotation/ServletWebArgumentResolverAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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jar/org/springframework/web/servlet/HttpServletBean.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/annotation/ServletAnnotationMappingUtils.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/json/MappingJacksonJsonView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/config/annotation/ResourceHandlerRegistry.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestResponseBodyMethodProcessor.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityEngineConfig.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/theme/CookieThemeResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-

jar/org/springframework/web/servlet/ModelAndViewDefiningException.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/ThemeResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
jar/org/springframework/web/servlet/tags/HtmlEscapeTag.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/jasperreports/ConfigurableJasperReportsView.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/support/DefaultHandlerExceptionHandlerResolver.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/config/ViewControllerBeanDefinitionParser.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/SelectTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/FormTag.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityToolboxView.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractFormTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/resource/DefaultServletHttpRequestHandler.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/TilesConfigurer.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/SelectedValueComparator.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractHtmlInputElementTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/OptionTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodExceptionHandlerResolver.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/RequestContextAwareTag.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/HandlerExceptionResolver.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/HandlerExecutionChain.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/ErrorsTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/InternalResourceView.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractDataBoundFormElementTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/support/WebContentGenerator.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/AbstractHtmlElementTag.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/EvalTag.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/tags/form/TextareaTag.java

* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/multiaction/ParameterMethodNameResolver.java

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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityLayoutViewResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
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* /opt/cola/permits/1136046130_1613664961.72/0/spring-webmvc-3-1-4-release-sources-1-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMapping.java

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1.888 cxf-rt-rs-extension-providers 2.7.14

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```

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```

```
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Ty Coon, President of Vice
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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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1.890 commons-collections 2.1

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* \$Header: /home/cvs/jakarta-
commons/collections/src/java/org/apache/commons/collections/TransformIterator.java,v 1.7 2002/10/12 22:15:18
scolebourne Exp \$

* \$Revision: 1.7 \$

* \$Date: 2002/10/12 22:15:18 \$

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1.891 dc 1.3

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

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/ViewController.swift
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift-Bridging-Header.h
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-SwiftTests/Example_SwiftTests.swift
* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/AppDelegate.swift
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```

```
Pod::Spec.new do |s|
```

```
s.name      = "DCPathButton"
s.version   = "2.1.1"
s.summary   = " A beautiful button copy from Path® "
```

```
s.description = <<-DESC
DCPathButton is a menu button, design by an famous App Path®.
Since Path® 4.0, it return to use a tab bar instead of a side bar,
and also change the menu button. So I try to implement it and then
the DCPathButton born :)
```

```
DESC
```

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

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

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

```
s.platform = :ios, '7.0'
```

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

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

```
s.resources = ["DCPathButton/Sounds/*"]
```

```
s.frameworks = 'QuartzCore','AudioToolbox'
```

```
s.requires_arc = true
```

```
end
```

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/DCPathButton.podspec

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```
<label opaque="NO" clipsSubviews="YES" userInteractionEnabled="NO" contentMode="left"
horizontalHuggingPriority="251" verticalHuggingPriority="251" text=" Copyright (c) 2015 DC. All rights
reserved." textAlignment="center" lineBreakMode="tailTruncation" baselineAdjustment="alignBaselines"
minimumFontSize="9" translatesAutoresizingMaskIntoConstraints="NO" id="8ie-xW-0ye">
```

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPathButton-39be410/Example-Swift/Example-Swift/Base.lproj/LaunchScreen.xib

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DCPathButton

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPATHBUTTON-39be410/README.md

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* /opt/cola/permits/1125758851_1613553092.69/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-DCPATHBUTTON-39be410/Example/Example/BarButtonItemViewController.m

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1.897 cxf-services-wsn-api 2.7.14

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system,

rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.908 java_cup 0.11a

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1.909 glib 2.42.2 5.e17

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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

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1.910 cxf-rt-javascript 2.7.14

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1.911 libvorbis 1.3.3 8.e17.1

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1.912 php 5.4.4

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1998/11/10 sgk implementation in C++

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1.913 tomcat-api 9.0.37

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1.914 open-ws 1.5.4

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```

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*/
/**
 * Indicates whether this encoder, given the current message context, provides end-to-end message confidentiality.
 *
 * @param messageContext the current message context
 *
 * @return true if the encoder provides end-to-end message confidentiality, false if not
 *
 * @throws MessageEncodingException thrown if the encoder encounter an error while attempt to evaluate its
ability
 *         to provide message confidentiality.
 */

```

Found in path(s):

```

* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-
jar/org/opensaml/ws/message/encoder/MessageEncoder.java

```

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```

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```

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<p>

XMLObject interfaces for WS-Security 2004 elements.

</p>

<p>

The OASIS [Web Services Security: SOAP Message Security 1.1 \(WS-Security 2004\)](http://docs.oasis-open.org/wss/v1.1/wss-v1.1-spec-os-SOAPMessageSecurity.pdf) specification describes enhancements to SOAP messaging to provide message integrity and confidentiality. This specification also provides a general-purpose mechanism for associating security tokens with message content.

</p>

<p>

The security token profiles currently supported are:

Web Services Security UsernameToken Profile 1.1

Web Services Security: SAML Token Profile 1.1

Web Services Security X.509 Certificate Token Profile 1.1

Web Services Security Kerberos Token Profile 1.1

</p>

</BODY>

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* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-jar/org/opensaml/ws/wssecurity/package.html

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* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-jar/schema/oasis-200401-wss-wssecurity-utility-1.0.xsd

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*/

/**

* Gets whether the transport represents a confidential connection (e.g. an SSL connection).

*

* @return whether the transport represents a confidential connection

*/

/**

* Sets whether the transport represents a confidential connection.

*

* @param isConfidential whether the transport represents a confidential connection

*/

Found in path(s):

* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-

jar/org/opensaml/ws/transport/Transport.java

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*/

/** Confidential flag. */

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jar/org/opensaml/ws/transport/BaseTransport.java

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* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-

jar/org/opensaml/ws/wssecurity/EncryptedHeader.java
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* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-
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* /opt/cola/permits/1147552557_1617095159.72/0/openws-1-5-4-sources-2-
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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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Found in path(s):

* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/JDK14LoggerAdapter.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/JDK14LoggerFactory.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/cola/permits/1136687460_1613859274.03/0/slf4j-jdk14-1-7-7-sources-1-jar/org/slf4j/impl/StaticLoggerBinder.java

1.919 tiles-autotag-core-runtime 1.2

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1.920 perl 5.16.3

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: <http://module-build.sourceforge.net/META-spec-v1.4.html>
version: 1.4
name: Module-Build
resources:
MailingList: <mailto:module-build@perl.org>
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repository: <http://github.com/dagolden/module-build/>
version: 3

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
Gnomovision version 69, Copyright (C) 19xx name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

That's all there is to it!

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The End

```
#!/perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

```
=cut
```

```
use strict;
```

```
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
```

```
    skip_all( "Not all files are available during cross-compilation" );
```

```
}
```

```
my ($opt) = @ARGV;
```

```

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /\b(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
        or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

```

}

1.921 audit 2.4.1 5.e17

1.921.1 Available under license :

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Version 2, June 1991

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```

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1.922 spring-web 3.1.4.RELEASE

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 */
```

Found in path(s):

```
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/support/ServletContextResourceLoader.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/remoting/jaxws/JaxWsPortProxyFactoryBean.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/http/converter/BufferedImageHttpMessageConverter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/remoting/httpinvoker/HttpInvokerServiceExporter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/http/converter/feed/RssChannelHttpMessageConverter.java
```

* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/ServletRequestParamPropertyValues.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/http/converter/ByteArrayHttpMessageConverter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/support/WebRequestDataBinder.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/annotation/RequestHeader.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/http/converter/HttpMessageConverter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/annotation/RequestParam.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/remoting/httpinvoker/AbstractHttpInvokerRequestExecutor.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/http/client/support/ProxyFactoryBean.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/client/RestOperations.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/WebDataBinder.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/annotation/support/HandlerMethodResolver.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/remoting/jaxws/AbstractJaxWsServiceExporter.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/http/converter/xml/Jaxb2RootElementHttpMessageConverter.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/filter/ShallowEtagHeaderFilter.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/remoting/jaxws/JaxWsSoapFaultException.java
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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/jsf/SpringBeanVariableResolver.java
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```

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* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/request/ServletWebRequest.java
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Found in path(s):

- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/filter/OncePerRequestFilter.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/util/Log4jConfigListener.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/util/HtmlCharacterEntityDecoder.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/support/RequestHandledEvent.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/util/JavaScriptUtils.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/util/HtmlUtils.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/request/AbstractRequestAttributes.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/support/ServletContextAttributeExporter.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/filter/Log4jNestedDiagnosticContextFilter.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/EscapedErrors.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/util/Log4jWebConfigurer.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/remoting/caucho/HessianProxyFactoryBean.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/remoting/caucho/BurlapExporter.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/ServletRequestUtils.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/context/support/ServletRequestHandledEvent.java
- * /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-

jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/request/Log4jNestedDiagnosticContextInterceptor.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/util/WebAppRootListener.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/remoting/httpinvoker/HttpInvokerClientInterceptor.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/remoting/caucho/BurlapServiceExporter.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/jsf/DelegatingVariableResolver.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/jsf/el/SpringBeanFacesELResolver.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/bind/annotation/support/HandlerMethodInvocationException.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/support/HttpRequestHandlerServlet.java
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jar/org/springframework/web/util/TagUtils.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/jsf/FacesContextUtils.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-
jar/org/springframework/web/HttpSessionRequiredException.java

* /opt/cola/permits/1136045186_1613664864.07/0/spring-web-3-1-4-release-sources-1-jar/org/springframework/web/bind/ServletRequestBindingException.java

1.923 libice 1.0.9-9.el7

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1.925 cxf-rt-transport-http-jetty 2.7.14

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1.927 xmlsec-java 1.3.0

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*
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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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* `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>

=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

<!--

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-->

```
<!-- $Id$ -->
```

```
<!-- Generate ISC copyright comments from Docbook copyright metadata. -->
```

```
<xsl:stylesheet version="1.0"
```

```
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
```

```
  xmlns:xi="http://www.w3.org/2001/XInclude"
```

```
  xmlns:db="http://docbook.org/ns/docbook">
```

```
<xsl:template name="isc.copyright.format">
```

```
  <xsl:param name="text"/>
```

```
  <xsl:value-of select="$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">
```

```
  <xsl:text>
```

```
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    License, v. 2.0. If a copy of the MPL was not distributed with this  
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```

```
  </xsl:text>
```

```
</xsl:variable>
```

```
<xsl:variable name="isc.copyright">
```

```
  <xsl:call-template name="isc.copyright.format">
```

```
    <xsl:with-param name="text">
```

```
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
```

```
        <xsl:text>Copyright (C) </xsl:text>
```

```
        <xsl:call-template name="copyright.years">
```

```
          <xsl:with-param name="years" select="year"/>
```

```
        </xsl:call-template>
```

```
        <xsl:text> </xsl:text>
```

```
        <xsl:value-of select="holder"/>
```

```
          <xsl:value-of select="$isc.copyright.breakline"/>
```

```
        <xsl:text>&#10;</xsl:text>
```

```
      </xsl:for-each>
```

```
    <xsl:value-of select="$isc.copyright.text"/>
```

```
  </xsl:with-param>
```

```
</xsl:call-template>
```

```
</xsl:variable>
```

```
</xsl:stylesheet>
```

<!--

- Local variables:

- mode: sgml

- End:

-->

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1.946 json-c 0.11-4.el7_0

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1.947 eclipse-osgi 3.6.1.R36x_v20100806

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1.948 joda-time 1.6.2

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1.950 jetty-continuation 8.1.15.v20140411

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* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-jar/about.html

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```
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationFilter.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/Continuation.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationThrowable.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationSupport.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/Servlet3Continuation.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/FauxContinuation.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/Jetty6Continuation.java
* /opt/cola/permits/1136211643_1613709843.89/0/jetty-continuation-8-1-15-v20140411-sources-1-
jar/org/eclipse/jetty/continuation/ContinuationListener.java
```

1.951 elfutils 0.158

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