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1.4 asm 4.2

1.5 vertx-bridge-common 3.7.1

1.6 spring-beans 3.2.17.RELEASE

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jar/org/springframework/beans/factory/serviceLoader/AbstractServiceLoaderBasedFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/serviceLoader/ServiceLoaderFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/parsing/DefaultsDefinition.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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jar/org/springframework/beans/factory/parsing/ReaderContext.java
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jar/org/springframework/beans/factory/support/DefaultBeanNameGenerator.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/PropertyValuesEditor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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jar/org/springframework/beans/factory/support/BeanNameGenerator.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/annotation/AnnotationBeanWiringInfoResolver.java
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jar/org/springframework/beans/factory/xml/ParserContext.java
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jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessorAdapter.java
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jar/org/springframework/beans/factory/xml/NamespaceHandlerSupport.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/parsing/EmptyReaderEventListener.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/config/CustomScopeConfigurer.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/ConfigurablePropertyAccessor.java

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/support/GenericBeanDefinition.java

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-

jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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jar/org/springframework/beans/factory/xml/BeanDefinitionDocumentReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/PropertyMatches.java
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jar/org/springframework/beans/CachedIntrospectionResults.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/ConstructorResolver.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/LookupOverride.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/propertyeditors/ResourceBundleEditor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/NoSuchBeanDefinitionException.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
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jar/org/springframework/beans/factory/xml/SimpleConstructorNamespaceHandler.java
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- * /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/support/MethodReplacer.java
- * /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/propertyeditors/ClassArrayEditor.java
- * /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/PropertyValues.java
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- * /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/xml/ResourceEntityResolver.java
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/annotation/CustomAutowireConfigurer.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/PropertyAccessorFactory.java

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-

jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
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jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/annotation/Qualifier.java
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jar/org/springframework/beans/factory/config/ServiceLocatorFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/ExtendedBeanInfoFactory.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/SimpleTypeConverter.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/config/PlaceholderConfigurerSupport.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
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jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/NoUniqueBeanDefinitionException.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/AutowiredUtils.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/access/BeanFactoryReference.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/config/DependencyDescriptor.java

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/TypedStringValue.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/support/ResourceEditorRegistrar.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/support/RootBeanDefinition.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
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jar/org/springframework/beans/factory/annotation/BeanFactoryAnnotationUtils.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/GenericTypeAwarePropertyDescriptor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
jar/org/springframework/beans/propertyeditors/CustomBooleanEditor.java
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1.7 giflib 5.2.1

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1.8 netty-codec-socks 4.1.51.Final

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jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksAuthScheme.java
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jar/io/netty/handler/codec/socks/SocksCmdStatus.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksRequestType.java
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jar/io/netty/handler/codec/socks/SocksCmdType.java
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jar/io/netty/handler/codec/socks/SocksResponseType.java
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jar/io/netty/handler/codec/socks/SocksMessageType.java
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jar/io/netty/handler/codec/socks/SocksAddressType.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
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jar/io/netty/handler/codec/socks/SocksAuthStatus.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java
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* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksAuthRequest.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandRequest.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksCommonUtils.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksAuthResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksInitRequest.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java

* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequest.java

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* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
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jar/io/netty/handler/codec/socks/v5/package-info.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksRequest.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksCmdRequest.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksMessage.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/v5/DefaultSocks5InitialRequest.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/SocksMessageEncoder.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/v4/Socks4CommandStatus.java
* /opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-
jar/io/netty/handler/codec/socks/package-info.java

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*

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*

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Dynalink v.5

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xwd v1.0.7

xwd utility

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LGPL 2.1

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Version 2.1, February 1999

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```
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# here. Please keep the list sorted by first names.

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Jean-loup Gailly Mark Adler
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1.11 vertx-rx-java2-gen 3.7.1

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1.12 nuprocess 1.2.4

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1.13 slf4j 1.8.0-beta4

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1.14 vertx-jwt 3.7.1

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1.15 activation 1.1

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 * [name of copyright owner]
 */
/*
 * @(#)SecuritySupport.java 1.3 05/11/16
 *
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 */
```

Found in path(s):

```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

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* @(#)CommandInfo.java 1.11 05/11/16
*
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*/
```

Found in path(s):

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/*
* @(#)ImageViewerCanvas.java 1.3 05/11/16
*
*/
```

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*/

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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-jar/com/sun/activation/viewers/ImageViewerCanvas.java

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*/

/*

* @(#)DataContentHandlerFactory.java 1.6 05/11/16

*

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*/

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* @(#)URLDataSource.java 1.10 05/11/16
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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* @(#)MailcapCommandMap.java 1.40 05/11/16
*
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*/
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-jar/javax/activation/MailcapCommandMap.java

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*/

/*

* @(#)MimeTypeParameterList.java 1.11 05/11/16

*

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/*
* @(#)CommandMap.java 1.19 05/11/16
*
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimeTypeParseException.java 1.6 05/11/16
*
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```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

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 */
@(#)DataHandler.java 1.39 05/11/16
 *
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 */
```

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```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)UnsupportedDataException.java 1.9 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)FileTypeMap.java 1.8 05/11/16
*
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```

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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimeType.java 1.19 05/11/16
*
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*/
```

Found in path(s):

```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimeTypeEntry.java 1.4 05/11/16
*
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```

Found in path(s):

```
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```

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```
*/
/*
* @(#)TextViewer.java 1.9 05/11/16
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```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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* @(#)FileDataSource.java 1.9 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
```

* @(#)LogSupport.java 1.4 05/11/16
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Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/javax/activation/ActivationDataFlavor.java
```

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* @(#)MimeTypeFile.java 1.8 05/11/16
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*/
```


*/

Found in path(s):

* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-jar/com/sun/activation/registries/MimeTypeFile.java

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/*
* @(#)MailcapFile.java 1.23 05/11/16
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```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MailcapTokenizer.java 1.6 05/11/16
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/*
* @(#)MailcapParseException.java 1.4 05/11/16
*
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*/
```

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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimetypesFileTypeMap.java 1.17 05/11/16
*
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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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* @(#)CommandObject.java 1.9 05/11/16
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

1.16 simpleclient-common 0.5.0

1.17 httpcomponents-client 4.5.2

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1.22 libpng 1.6.37

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1.23 vertx-web-common 3.7.1

1.24 commons-cli 1.2

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1.25 zlib 1.2.11

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1.26 antlr 4.7.2

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1.28 antlr-runtime 4.7.2

1.28.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/META-INF/maven/org.antlr/antlr4-runtime/pom.xml

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```
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* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/ANTLRInputStream.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LL1Analyzer.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/RuleNode.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/ArrayPredictionContext.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerPushModeAction.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/ObjectEqualityComparator.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/ParseTree.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerAction.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerATNConfig.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/SingletonPredictionContext.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/InterpreterRuleContext.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/pattern/TagChunk.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/LexerNoViableAltException.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerActionType.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/CommonTokenStream.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/IntervalSet.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/ParseCancellationException.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/ParserInterpreter.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathTokenElement.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/pattern/RuleTagToken.java

* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/ParseTreeVisitor.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/ParseTreeListener.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathRuleElement.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/LogManager.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathWildcardAnywhereElement.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathElement.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerATNSimulator.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathLexer.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/AtomTransition.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/pattern/Chunk.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/FlexibleHashMap.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/Interval.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/Triple.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/RuleStartState.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/CharStreams.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/misc/OrderedHashSet.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/PredicateEvalInfo.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LoopEndState.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathRuleAnywhereElement.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/TreeNodeImpl.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/LexerPopModeAction.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/DecisionInfo.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/atn/BasicState.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-jar/org/antlr/v4/runtime/tree/IterativeParseTreeWalker.java

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* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/ConsoleErrorListener.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/TokenFactory.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/BufferedTokenStream.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/misc/Utils.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/LexerInterpreter.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/BaseErrorListener.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/tree/TerminalNodeImpl.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/atn/ATNType.java
* /opt/cola/permits/1003993603_1651084856.54/0/antlr4-runtime-4-7-2-sources-
jar/org/antlr/v4/runtime/atn/LexerModeAction.java

```

1.29 netty-buffer 4.1.51.Final

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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-
jar/io/netty/buffer/ReadOnlyByteBufferBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-
jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-
jar/io/netty/buffer/WrappedByteBuf.java

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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufHolder.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/DefaultByteBufHolder.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractDerivedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/FixedCompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufProcessor.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnreleasableByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/EmptyByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java

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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolSubpageMetric.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolChunkMetric.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledSlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java

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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/AhoCorasicSearchProcessorFactory.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/AbstractSearchProcessorFactory.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/MultiSearchProcessor.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/SearchProcessorFactory.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/BitapSearchProcessorFactory.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/MultiSearchProcessorFactory.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/SearchProcessor.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/search/KmpSearchProcessorFactory.java
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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ReadOnlyByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/SwappedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/DuplicatedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolChunk.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledHeapByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolArena.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/CompositeByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolSubpage.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/Unpooled.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/SlicedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolChunkList.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufUtil.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufInputStream.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PoolThreadCache.java
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledByteBufAllocator.java

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```
* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/META-  
INF/native-image/io.netty.buffer/native-image.properties
```

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jar/io/netty/buffer/PooledHeapByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/WrappedCompositeByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledDuplicatedByteBuf.java

* /opt/ws_local/PERMITS_SQL/1072948616_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java

1.30 ignite-spring 2.7.5

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```
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// -----
```

```
=====
```

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1.31 netty-resolver 4.1.51.Final

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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/SimpleNameResolver.java

* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-jar/io/netty/resolver/NoopAddressResolver.java

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* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
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jar/io/netty/resolver/DefaultAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/DefaultNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/AbstractAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/HostsFileEntriesResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/InetAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java

```
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/HostsFileParser.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/InetSocketAddressResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
jar/io/netty/resolver/CompositeNameResolver.java
* /opt/ws_local/PERMITS_SQL/1072948623_1595240780.88/0/netty-resolver-4-1-51-final-sources-
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jar/io/netty/resolver/RoundRobinInetAddressResolver.java
```

1.32 swagger-annotations 1.5.22

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*/

```
package io.swagger.annotations;
```

```
import java.lang.annotation.ElementType;
```

```
import java.lang.annotation.Retention;
```

```
import java.lang.annotation.RetentionPolicy;
```

```
import java.lang.annotation.Target;
```

/**

* License metadata available within the info section of a Swagger definition, see

* <https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject>

*

* @since 1.5.0

*/

```
@Target(ElementType.ANNOTATION_TYPE)
```

```
@Retention(RetentionPolicy.RUNTIME)
```

```
public @interface License {
```

/**

* The name of the license.

*

* @return the name of the license

*/

```
String name();
```

```

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

```

1.33 libphonenumber 8.0.0

1.34 netty-transport 4.1.51.Final

1.34.1 Available under license :

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

```

/*
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 * under the License.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/oio/AbstractOioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/bootstrap/Bootstrap.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/MultithreadEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelInboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/local/LocalAddress.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelConfig.java

```

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelDuplexHandler.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DatagramPacket.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultEventLoopGroup.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/Channel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/oio/AbstractOioChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/AbstractBootstrap.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/EventLoopGroup.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioEventLoop.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelFuture.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/LocalChannelRegistry.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/oio/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/RecvByteBufAllocator.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelFlushPromiseNotifier.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPromiseAggregator.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DatagramChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPromiseNotifier.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/oio/AbstractOioByteChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPipelineException.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/LocalChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/InternetProtocolFamily.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/LocalServerChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/VoidChannelPromise.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/AbstractChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/ServerBootstrap.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/FailedChannelFuture.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/embedded/EmbeddedEventLoop.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/AbstractServerChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOutboundHandler.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelException.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/NioDatagramChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/CompleteChannelFuture.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ThreadPerChannelEventLoop.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelInboundHandler.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/SocketChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOption.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/NioServerSocketChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ServerChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelMetadata.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ServerSocketChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/CombinedChannelDuplexHandler.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPipeline.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/AbstractNioChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/CombinedIterator.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/oio/OioEventLoopGroup.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/AbstractNioByteChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioTask.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandlerContext.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelInitializer.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/EventLoopException.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java

- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultEventLoop.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/FixedRecvByteBufAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/package-info.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/SocketChannel.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/embedded/package-info.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/FileRegion.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultFileRegion.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/NioEventLoopGroup.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroupFutureListener.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/EventLoop.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroupFuture.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelFutureListener.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelPromise.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/package-info.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultChannelConfig.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultChannelPromise.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ServerSocketChannelConfig.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/local/LocalEventLoopGroup.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/FailedChannel.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/internal/package-info.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/internal/ChannelUtils.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java

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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelHandlerMask.java

* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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jar/io/netty/channel/DefaultChannelHandlerContext.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline }.
*
* <h3>Sub-types</h3>
* <p>
* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
* subtypes:
* <ul>
* <li>{ @link ChannelInboundHandler } to handle inbound I/O events, and</li>
* <li>{ @link ChannelOutboundHandler } to handle outbound I/O operations.</li>
* </ul>
* </p>
* <p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{ @link ChannelInboundHandlerAdapter } to handle inbound I/O events,</li>
```

- * [ChannelOutboundHandlerAdapter](#) to handle outbound I/O operations, and
- * [ChannelDuplexHandler](#) to handle both inbound and outbound events

*

* </p>

* For more information, please refer to the documentation of each subtype.

* </p>

*

* <h3>The context object</h3>

* <p>

* A [ChannelHandler](#) is provided with a [ChannelHandlerContext](#)

* object. A [ChannelHandler](#) is supposed to interact with the

* [ChannelPipeline](#) it belongs to via a context object. Using the

* context object, the [ChannelHandler](#) can pass events upstream or

* downstream, modify the pipeline dynamically, or store the information

* (using [AttributeKey](#)s) which is specific to the handler.

*

* <h3>State management</h3>

*

* A [ChannelHandler](#) often needs to store some stateful information.

* The simplest and recommended approach is to use member variables:

* <pre>

```
* public interface Message {
```

```
*     // your methods here
```

```
* }
```

*

```
* public class DataServerHandler extends SimpleChannelInboundHandler &lt;Message> {
```

*

```
*     <b>private boolean loggedIn;</b>
```

*

```
*     { @code @Override }
```

```
*     public void channelRead0(ChannelHandlerContext ctx, Message message) {
```

```
*         if (message instanceof LoginMessage) {
```

```
*             authenticate((LoginMessage) message);
```

```
*             <b>loggedIn = true;</b>
```

```
*         } else (message instanceof GetDataMessage) {
```

```
*             if (<b>loggedIn</b>) {
```

```
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
```

```
*             } else {
```

```
*                 fail();
```

```
*             }
```

```
*         }
```

```
*     }
```

```
*     ...
```

```
* }
```

```
* </pre>
```

* Because the handler instance has a state variable which is dedicated to

* one connection, you have to create a new handler instance for each new

```

* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel)}.
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;&gt;{ @link Channel}&gt;&gt; {
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using { @link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey}s which is provided by
* { @link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* { @code @Sharable}
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;&gt;Message&gt; {
*     private final { @link AttributeKey}&lt;&gt;{ @link Boolean}&gt;&gt; auth =
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     { @code @Override}
*     public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {
*         { @link Attribute}&lt;&gt;{ @link Boolean}&gt;&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the

```

```

* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;&gt;{ @link Channel}&lt;&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>

```

* <h4>The { @code @Sharable} annotation</h4>

* <p>

* In the example above which used an { @link AttributeKey},
 * you might have noticed the { @code @Sharable} annotation.

* <p>

* If a { @link ChannelHandler} is annotated with the { @code @Sharable}
 * annotation, it means you can create an instance of the handler just once and
 * add it to one or more { @link ChannelPipeline}s multiple times without
 * a race condition.

* <p>

* If this annotation is not specified, you have to create a new handler
 * instance every time you add it to a pipeline because it has unshared state
 * such as member variables.

* <p>

* This annotation is provided for documentation purpose, just like
 * the JCIP annotations.

*

* <h3>Additional resources worth reading</h3>

* <p>

* Please refer to the { @link ChannelHandler}, and
 * { @link ChannelPipeline} to find out more about inbound and outbound operations,
 * what fundamental differences they have, how they flow in a pipeline, and how to handle
 * the operation in your application.

*/

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- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultAddressedEnvelope.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelProgressivePromise.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroupException.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOutboundBuffer.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelId.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/MessageSizeEstimator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelGroup.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultChannelId.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/ChannelMatcher.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
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- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ConnectTimeoutException.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/ChannelFactory.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java
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- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-

jar/io/netty/channel/ChannelProgressiveFutureListener.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/SimpleChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/DefaultChannelProgressivePromise.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
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jar/io/netty/channel/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-
jar/io/netty/channel/AbstractEventLoop.java
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Found in path(s):

- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/package-info.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/ChannelPoolHandler.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/ChannelPool.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/FixedChannelPool.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java

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- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/socket/DuplexChannel.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelOutboundInvoker.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SelectStrategyFactory.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelInboundInvoker.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/BootstrapConfig.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/DefaultSelectStrategy.java
- * /opt/ws_local/PERMITS_SQL/1072948476_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/SelectStrategy.java

1.35 jopt-simple 5.0.3

1.35.1 Available under license :

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Found in path(s):

- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/SimpleOptionNameMap.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/InetAddressConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Reflection.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/RequiredArgumentOptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/IllegalOptionSpecificationException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Messages.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionParser.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpecTokenizer.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionMissingRequiredArgumentException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Classes.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/ReflectionException.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/ConstructorInvokingValueConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/MethodInvokingValueConverter.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/AlternativeLongOptionSpec.java
- * /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/OptionNameMap.java

* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/DateConverter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionDescriptor.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/AbstractOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionalArgumentOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/UnconfiguredOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/BuiltinHelpFormatter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/AbbreviationMap.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Rows.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/MultipleArgumentsForOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ValueConversionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/NonOptionArgumentSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionArgumentConversionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ParserRules.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/MissingRequiredOptionsException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/HelpFormatter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ValueConverter.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionParserState.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Row.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSpecBuilder.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ArgumentList.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/KeyValuePair.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/OptionSet.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Columns.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/UnrecognizedOptionException.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Strings.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/ArgumentAcceptingOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/RegexMatcher.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/NoArgumentOptionSpec.java
* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/UnavailableOptionException.java

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Found in path(s):

* /opt/cola/permits/1000760427_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/util/EnumConverter.java

1.36 swagger-compat-spec-parser 1.0.44

1.36.1 Available under license :

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```
package io.swagger.models.resourcelisting;

import io.swagger.models.SwaggerBaseModel;

public class ApiInfo extends SwaggerBaseModel {
    private String title = null;
    private String description = null;
    private String termsOfServiceUrl = null;
    private String contact = null;
    private String license = null;
    private String licenseUrl = null;

    public String getTitle() {
        return title;
    }
}
```

```

}

public void setTitle(String title) {
    this.title = title;
}

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    this.description = description;
}

public String getTermsOfServiceUrl() {
    return termsOfServiceUrl;
}

public void setTermsOfServiceUrl(String termsOfServiceUrl) {
    this.termsOfServiceUrl = termsOfServiceUrl;
}

public String getContact() {
    return contact;
}

public void setContact(String contact) {
    this.contact = contact;
}

public String getLicense() {
    return license;
}

public void setLicense(String license) {
    this.license = license;
}

public String getLicenseUrl() {
    return licenseUrl;
}

public void setLicenseUrl(String licenseUrl) {
    this.licenseUrl = licenseUrl;
}

@Override
public String toString() {

```

```

StringBulder sb = new StringBulder();
sb.append("class ApiInfo {\n");
sb.append(" title: ").append(title).append("\n");
sb.append(" description: ").append(description).append("\n");
sb.append(" termsOfServiceUrl: ").append(termsOfServiceUrl).append("\n");
sb.append(" contact: ").append(contact).append("\n");
sb.append(" license: ").append(license).append("\n");
sb.append(" licenseUrl: ").append(licenseUrl).append("\n");
sb.append(" extraFields: ").append(getExtraFields()).append("\n");
sb.append("}\n");
return sb.toString();
}
}

```

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1010774122_1593175425.02/0/swagger-compat-spec-parser-1-0-44-sources-jar/io/swagger/models/resourcelisting/ApiInfo.java

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```

{
  "swaggerVersion": "1.0",
  "apiVersion": "Cable",
  "basePath": "http://gateway.marvel.com",
  "resourcePath": "/docs/public",
  "apis": [
    {
      "path": "/v1/public/characters",
      "description": "",
      "operations": [
        {
          "httpMethod": "GET",
          "nickname": "getCreatorCollection",
          "responseClass": "CharacterDataWrapper",
          "notes": "Fetches lists of comic characters with optional filters. See notes on individual parameters below.",
          "_id": "5318a13f480b07a76f3b2958",
          "errorResponses": [
            {
              "code": 409,
              "reason": "Limit greater than 100.",
              "_id": "5318a13f480b07a76f3b296b"
            },
            {
              "code": 409,
              "reason": "Limit invalid or below 1.",
              "_id": "5318a13f480b07a76f3b296a"
            },
            {
              "code": 409,

```

```

    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b2969"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b2968"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b2967"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2966"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2965"
  }
],
"parameters": [
  {
    "name": "name",
    "description": "Return only characters matching the specified full character name (e.g. Spider-Man).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2964",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return characters with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2963",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only characters which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",

```



```

    "_id": "5318a13f480b07a76f3b2962",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only characters which appear in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2961",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only characters which appear the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2960",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only characters which appear in the specified events (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b295f",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only characters which appear the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b295e",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",

```

```

    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b295c",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b295d",
      "values": [
        "name",
        "modified",
        "-name",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b295a",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b295b",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2959",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of characters."
}
]
},
{
  "path": "/v1/public/characters/{characterId}",

```

```

"description": "",
"operations": [
  {
    "httpMethod": "GET",
    "nickname": "getCharacterIndividual",
    "responseClass": "CharacterDataWrapper",
    "notes": "This method fetches a single character resource. It is the canonical URI for any character resource
provided by the API.",
    "_id": "5318a13e480b07a76f3b2818",
    "errorResponses": [
      {
        "code": 404,
        "reason": "Character not found.",
        "_id": "5318a13e480b07a76f3b281a"
      }
    ],
    "parameters": [
      {
        "name": "characterId",
        "description": "A single character id.",
        "dataType": "int",
        "paramType": "path",
        "_id": "5318a13e480b07a76f3b2819",
        "allowMultiple": false,
        "required": true
      }
    ],
    "summary": "Fetches a single character by id."
  }
],
},
{
  "path": "/v1/public/characters/{characterId}/comics",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicsCharacterCollection",
      "responseClass": "ComicDataWrapper",
      "notes": "Fetches lists of comics containing a specific character, with optional filters. See notes on individual
parameters below.",
      "_id": "5318a13f480b07a76f3b2a35",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2a5a"
        }
      ],
    }
  ],
}

```

```

{
  "code": 409,
  "reason": "Limit invalid or below 1.",
  "_id": "5318a13f480b07a76f3b2a59"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized parameter.",
  "_id": "5318a13f480b07a76f3b2a58"
},
{
  "code": 409,
  "reason": "Empty parameter.",
  "_id": "5318a13f480b07a76f3b2a57"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13f480b07a76f3b2a56"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13f480b07a76f3b2a55"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13f480b07a76f3b2a54"
}
],
"parameters": [
  {
    "name": "characterId",
    "description": "The character id.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a53",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "format",
    "description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a51",
    "allowableValues": {

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"valueType": "LIST",
"_id": "5318a13f480b07a76f3b2a52",
"values": [
  "comic",
  "magazine",
  "trade paperback",
  "hardcover",
  "digest",
  "graphic novel",
  "digital comic",
  "infinite comic"
]
},
"allowMultiple": false,
"required": false
},
{
  "name": "formatType",
  "description": "Filter by the issue format type (comic or collection).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a4f",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a50",
    "values": [
      "comic",
      "collection"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "noVariants",
  "description": "Exclude variant comics from the result set.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a4d",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a4e",
    "values": [
      "true"
    ]
  },
  "allowMultiple": false,
  "required": false
}

```

```

},
{
  "name": "dateDescriptor",
  "description": "Return comics within a predefined date range.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a4b",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a4c",
    "values": [
      "lastWeek",
      "thisWeek",
      "nextWeek",
      "thisMonth"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "dateRange",
  "description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date format.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a4a",
  "allowMultiple": true,
  "required": false
},
{
  "name": "diamondCode",
  "description": "Filter by diamond code.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a49",
  "allowMultiple": false,
  "required": false
},
{
  "name": "digitalId",
  "description": "Filter by digital comic id.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a48",
  "allowMultiple": false,
  "required": false
}

```

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},
{
  "name": "upc",
  "description": "Filter by UPC.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a47",
  "allowMultiple": false,
  "required": false
},
{
  "name": "isbn",
  "description": "Filter by ISBN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a46",
  "allowMultiple": false,
  "required": false
},
{
  "name": "ean",
  "description": "Filter by EAN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a45",
  "allowMultiple": false,
  "required": false
},
{
  "name": "issn",
  "description": "Filter by ISSN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a44",
  "allowMultiple": false,
  "required": false
},
{
  "name": "hasDigitalIssue",
  "description": "Include only results which are available digitally.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a42",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a43",
    "values": [
      "true"
    ]
  }
}

```

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    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "modifiedSince",
  "description": "Return only comics which have been modified since the specified date.",
  "dataType": "Date",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a41",
  "allowMultiple": false,
  "required": false
},
{
  "name": "creators",
  "description": "Return only comics which feature work by the specified creators (accepts a comma-separated list of ids).",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a40",
  "allowMultiple": true,
  "required": false
},
{
  "name": "series",
  "description": "Return only comics which are part of the specified series (accepts a comma-separated list of ids).",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a3f",
  "allowMultiple": true,
  "required": false
},
{
  "name": "events",
  "description": "Return only comics which take place in the specified events (accepts a comma-separated list of ids).",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a3e",
  "allowMultiple": true,
  "required": false
},
{
  "name": "stories",
  "description": "Return only comics which contain the specified stories (accepts a comma-separated list of ids).",

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    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a3d",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "sharedAppearances",
    "description": "Return only comics in which the specified characters appear together (for example in which
    BOTH Spider-Man and Wolverine appear).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a3c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "collaborators",
    "description": "Return only comics in which the specified creators worked together (for example in which
    BOTH Stan Lee and Jack Kirby did work).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a3b",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
    Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a39",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a3a",
      "values": [
        "focDate",
        "onsaleDate",
        "title",
        "issueNumber",
        "modified",
        "-focDate",
        "-onsaleDate",
        "-title",
        "-issueNumber",
        "-modified"
      ]
    }
  }
]

```

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    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a37",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2a38",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a36",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of comics filtered by a character id."
}
]
},
{
  "path": "/v1/public/characters/{characterId}/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCharacterEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events in which a specific character appears, with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b28e3",
      "errorResponses": [
        {
          "code": 409,

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    "reason": "Limit greater than 100.",
    "_id": "5318a13e480b07a76f3b28f7"
  },
  {
    "code": 409,
    "reason": "Limit invalid or below 1.",
    "_id": "5318a13e480b07a76f3b28f6"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13e480b07a76f3b28f5"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13e480b07a76f3b28f4"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b28f3"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b28f2"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b28f1"
  }
],
"parameters": [
  {
    "name": "characterId",
    "description": "The character ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b28f0",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Filter the event list by name.",
    "dataType": "string",

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    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ef",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ee",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ed",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only events which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ec",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only events which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28eb",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only events which take place in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",

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    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ea",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only events which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28e9",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28e7",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b28e8",
      "values": [
        "name",
        "startDate",
        "modified",
        "-name",
        "-startDate",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28e5",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b28e6",

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    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28e4",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of events filtered by a character id."
}
]
},
{
  "path": "/v1/public/characters/{characterId}/series",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCharacterSeriesCollection",
      "responseClass": "SeriesDataWrapper",
      "notes": "Fetches lists of comic series in which a specific character appears, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13e480b07a76f3b290f",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b2928"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b2927"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b2926"
        },
        {
          "code": 409,

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    "reason": "Empty parameter.",
    "_id": "5318a13e480b07a76f3b2925"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b2924"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b2923"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b2922"
  }
],
"parameters": [
  {
    "name": "characterId",
    "description": "The character ID",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b2921",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "title",
    "description": "Filter by series title.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2920",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "titleStartsWith",
    "description": "Return series with titles that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291f",
    "allowMultiple": false,
    "required": false
  },
  {

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    "name": "startYear",
    "description": "Return only series matching the specified start year.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291e",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only series which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291d",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only series which contain the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only series which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291b",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only series which have comics that take place during the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b291a",
    "allowMultiple": true,
    "required": false
  },
  {

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```

    "name": "creators",
    "description": "Return only series which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2919",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "seriesType",
    "description": "Filter the series by publication frequency type.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2917",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2918",
      "values": [
        "collection",
        "one shot",
        "limited",
        "ongoing"
      ]
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "contains",
    "description": "Return only series containing one or more comics with the specified format.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2915",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2916",
      "values": [
        "comic",
        "magazine",
        "trade paperback",
        "hardcover",
        "digest",
        "graphic novel",
        "digital comic",
        "infinite comic"
      ]
    },
  },

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```

    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2913",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2914",
      "values": [
        "title",
        "modified",
        "startYear",
        "-title",
        "-modified",
        "-startYear"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2911",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b2912",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2910",
    "allowMultiple": false,

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    "required": false
  }
],
"summary": "Fetches lists of series filtered by a character id."
}
]
},
{
  "path": "/v1/public/characters/{characterId}/stories",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCharacterStoryCollection",
      "responseClass": "StoryDataWrapper",
      "notes": "Fetches lists of comic stories featuring a specific character with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13f480b07a76f3b29a1",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b29b3"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b29b2"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b29b1"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b29b0"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13f480b07a76f3b29af"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13f480b07a76f3b29ae"
        }
      ]
    }
  ]
}

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    },
    {
      "code": 409,
      "reason": "Invalid value passed to filter.",
      "_id": "5318a13f480b07a76f3b29ad"
    }
  ],
  "parameters": [
    {
      "name": "characterId",
      "description": "The character ID.",
      "dataType": "int",
      "paramType": "path",
      "_id": "5318a13f480b07a76f3b29ac",
      "allowMultiple": false,
      "required": true
    },
    {
      "name": "modifiedSince",
      "description": "Return only stories which have been modified since the specified date.",
      "dataType": "Date",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b29ab",
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "comics",
      "description": "Return only stories contained in the specified (accepts a comma-separated list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b29aa",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "series",
      "description": "Return only stories contained the specified series (accepts a comma-separated list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b29a9",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "events",
      "description": "Return only stories which take place during the specified events (accepts a comma-separated list of ids).",

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    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29a8",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only stories which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29a7",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29a5",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29a6",
      "values": [
        "id",
        "modified",
        "-id",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29a3",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b29a4",
      "values": []
    }
  }

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    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29a2",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of stories filtered by a character id."
}
]
},
{
  "path": "/v1/public/comics",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicsCollection",
      "responseClass": "ComicDataWrapper",
      "notes": "Fetches lists of comics with optional filters. See notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b292b",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2950"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b294f"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b294e"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b294d"
        }
      ]
    }
  ]
}

```

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},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13f480b07a76f3b294c"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13f480b07a76f3b294b"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13f480b07a76f3b294a"
}
],
"parameters": [
  {
    "name": "format",
    "description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2948",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2949",
      "values": [
        "comic",
        "magazine",
        "trade paperback",
        "hardcover",
        "digest",
        "graphic novel",
        "digital comic",
        "infinite comic"
      ]
    }
  },
  {
    "name": "formatType",
    "description": "Filter by the issue format type (comic or collection).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2946",
    "allowableValues": {

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    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2947",
    "values": [
      "comic",
      "collection"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "noVariants",
  "description": "Exclude variants (alternate covers, secondary printings, director's cuts, etc.) from the result set.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2944",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2945",
    "values": [
      "true"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "dateDescriptor",
  "description": "Return comics within a predefined date range.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2942",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2943",
    "values": [
      "lastWeek",
      "thisWeek",
      "nextWeek",
      "thisMonth"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "dateRange",

```


"description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date format.",

```
"dataType": "int",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2941",
"allowMultiple": true,
"required": false
},
{
  "name": "diamondCode",
  "description": "Filter by diamond code.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2940",
  "allowMultiple": false,
  "required": false
},
{
  "name": "digitalId",
  "description": "Filter by digital comic id.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b293f",
  "allowMultiple": false,
  "required": false
},
{
  "name": "upc",
  "description": "Filter by UPC.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b293e",
  "allowMultiple": false,
  "required": false
},
{
  "name": "isbn",
  "description": "Filter by ISBN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b293d",
  "allowMultiple": false,
  "required": false
},
{
  "name": "ean",
  "description": "Filter by EAN.",
```

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    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b293c",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "issn",
    "description": "Filter by ISSN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b293b",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "hasDigitalIssue",
    "description": "Include only results which are available digitally.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2939",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b293a",
      "values": [
        "true"
      ]
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only comics which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2938",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only comics which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2937",
    "allowMultiple": true,

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    "required": false
  },
  {
    "name": "characters",
    "description": "Return only comics which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2936",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only comics which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2935",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only comics which take place in the specified events (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2934",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only comics which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2933",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "sharedAppearances",
    "description": "Return only comics in which the specified characters appear together (for example in which
BOTH Spider-Man and Wolverine appear). Accepts a comma-separated list of ids.",
    "dataType": "int",
    "paramType": "query",

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    "_id": "5318a13f480b07a76f3b2932",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "collaborators",
    "description": "Return only comics in which the specified creators worked together (for example in which
    BOTH Stan Lee and Jack Kirby did work). Accepts a comma-separated list of ids.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2931",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
    Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b292f",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2930",
      "values": [
        "focDate",
        "onsaleDate",
        "title",
        "issueNumber",
        "modified",
        "-focDate",
        "-onsaleDate",
        "-title",
        "-issueNumber",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b292d",
    "allowableValues": {
      "min": 1,

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    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13f480b07a76f3b292e",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b292c",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of comics."
}
]
},
{
  "path": "/v1/public/comics/{comicId}",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicIndividual",
      "responseClass": "ComicDataWrapper",
      "notes": "This method fetches a single comic resource. It is the canonical URI for any comic resource provided by the API.",
      "_id": "5318a13e480b07a76f3b27ae",
      "errorResponses": [
        {
          "code": 404,
          "reason": "Comic not found.",
          "_id": "5318a13e480b07a76f3b27b0"
        }
      ]
    }
  ],
  "parameters": [
    {
      "name": "comicId",
      "description": "A single comic.",
      "dataType": "int",
      "paramType": "path",
      "_id": "5318a13e480b07a76f3b27af",
      "allowMultiple": false,

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    "required": true
  }
],
"summary": "Fetches a single comic by id."
}
]
},
{
  "path": "/v1/public/comics/{comicId}/characters",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicCharacterCollection",
      "responseClass": "CharacterDataWrapper",
      "notes": "Fetches lists of characters which appear in a specific comic with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13e480b07a76f3b2802",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b2815"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b2814"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b2813"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b2812"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13e480b07a76f3b2811"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13e480b07a76f3b2810"
        }
      ]
    }
  ]
}

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    },
    {
      "code": 409,
      "reason": "Invalid value passed to filter.",
      "_id": "5318a13e480b07a76f3b280f"
    }
  ],
  "parameters": [
    {
      "name": "comicId",
      "description": "The comic id.",
      "dataType": "int",
      "paramType": "path",
      "_id": "5318a13e480b07a76f3b280e",
      "allowMultiple": false,
      "required": true
    },
    {
      "name": "name",
      "description": "Return only characters matching the specified full character name (e.g. Spider-Man).",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b280d",
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "nameStartsWith",
      "description": "Return characters with names that begin with the specified string (e.g. Sp).",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b280c",
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "modifiedSince",
      "description": "Return only characters which have been modified since the specified date.",
      "dataType": "Date",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b280b",
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "series",
      "description": "Return only characters which appear the specified series (accepts a comma-separated list of
ids).",

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    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b280a",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only characters which appear comics that took place in the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2809",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only characters which appear the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2808",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2806",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2807",
      "values": [
        "name",
        "modified",
        "-name",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",

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```

    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2804",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b2805",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2803",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of characters filtered by a comic id."
}
]
},
{
  "path": "/v1/public/comics/{comicId}/creators",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CreatorDataWrapper",
      "notes": "Fetches lists of comic creators whose work appears in a specific comic, with optional filters. See
notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b29e8",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2a01"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1."
        }
      ]
    }
  ]
}

```

```

    "_id": "5318a13f480b07a76f3b2a00"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b29ff"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b29fe"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b29fd"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b29fc"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b29fb"
  }
],
"parameters": [
  {
    "name": "comicId",
    "description": "The comic id.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b29fa",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "firstName",
    "description": "Filter by creator first name (e.g. brian).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f9",
    "allowMultiple": false,
    "required": false
  },
  {

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```

    "name": "middleName",
    "description": "Filter by creator middle name (e.g. Michael).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f8",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastName",
    "description": "Filter by creator last name (e.g. Bendis).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f7",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "suffix",
    "description": "Filter by suffix or honorific (e.g. Jr., Sr.).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f6",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Filter by creator names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f5",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "firstNameStartsWith",
    "description": "Filter by creator first names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f4",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleNameStartsWith",
    "description": "Filter by creator middle names that match criteria (e.g. Mi).",
    "dataType": "string",

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    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f3",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastNameStartsWith",
    "description": "Filter by creator last names that match criteria (e.g. Ben).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f2",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only creators which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f1",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only creators who worked on in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29f0",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only creators who worked on the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29ef",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only creators who worked on the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",

```

```

    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29ee",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29ec",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29ed",
      "values": [
        "lastName",
        "firstName",
        "middleName",
        "suffix",
        "modified",
        "-lastName",
        "-firstName",
        "-middleName",
        "-suffix",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29ea",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b29eb",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {

```

```

    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29e9",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of creators filtered by a comic id."
}
]
},
{
  "path": "/v1/public/comics/{comicId}/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getIssueEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events in which a specific comic appears, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13f480b07a76f3b2a04",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2a18"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2a17"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2a16"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b2a15"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",

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    "_id": "5318a13f480b07a76f3b2a14"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2a13"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2a12"
  }
],
"parameters": [
  {
    "name": "comicId",
    "description": "The comic ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a11",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Filter the event list by name.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a10",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0f",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0e",
    "allowMultiple": false,

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    "required": false
  },
  {
    "name": "creators",
    "description": "Return only events which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0d",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only events which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only events which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0b",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only events which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a0a",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",

```



```

    "_id": "5318a13f480b07a76f3b2a08",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a09",
      "values": [
        "name",
        "startDate",
        "modified",
        "-name",
        "-startDate",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a06",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2a07",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a05",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of events filtered by a comic id."
}
]
},
{
  "path": "/v1/public/comics/{comicId}/stories",

```

```

"description": "",
"operations": [
  {
    "httpMethod": "GET",
    "nickname": "getComicStoryCollection",
    "responseClass": "StoryDataWrapper",
    "notes": "Fetches lists of comic stories in a specific comic issue, with optional filters. See notes on individual
parameters below.",
    "_id": "5318a13e480b07a76f3b28fa",
    "errorResponses": [
      {
        "code": 409,
        "reason": "Limit greater than 100.",
        "_id": "5318a13e480b07a76f3b290c"
      },
      {
        "code": 409,
        "reason": "Limit invalid or below 1.",
        "_id": "5318a13e480b07a76f3b290b"
      },
      {
        "code": 409,
        "reason": "Invalid or unrecognized parameter.",
        "_id": "5318a13e480b07a76f3b290a"
      },
      {
        "code": 409,
        "reason": "Empty parameter.",
        "_id": "5318a13e480b07a76f3b2909"
      },
      {
        "code": 409,
        "reason": "Invalid or unrecognized ordering parameter.",
        "_id": "5318a13e480b07a76f3b2908"
      },
      {
        "code": 409,
        "reason": "Too many values sent to a multi-value list filter.",
        "_id": "5318a13e480b07a76f3b2907"
      },
      {
        "code": 409,
        "reason": "Invalid value passed to filter.",
        "_id": "5318a13e480b07a76f3b2906"
      }
    ],
    "parameters": [
      {

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```

    "name": "comicId",
    "description": "The comic ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b2905",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "modifiedSince",
    "description": "Return only stories which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2904",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only stories contained the specified series (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2903",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only stories which take place during the specified events (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2902",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only stories which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2901",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",

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```

    "description": "Return only stories which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2900",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28fe",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b28ff",
      "values": [
        "id",
        "modified",
        "-id",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28fc",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b28fd",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources.",
    "dataType": "int",

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    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28fb",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of stories filtered by a comic id."
}
]
},
{
  "path": "/v1/public/creators",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CreatorDataWrapper",
      "notes": "Fetches lists of comic creators with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b27e6",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b27ff"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b27fe"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b27fd"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b27fc"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13e480b07a76f3b27fb"
        },
        {
          "code": 409,

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    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b27fa"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b27f9"
  }
],
"parameters": [
  {
    "name": "firstName",
    "description": "Filter by creator first name (e.g. Brian).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f8",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleName",
    "description": "Filter by creator middle name (e.g. Michael).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f7",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastName",
    "description": "Filter by creator last name (e.g. Bendis).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f6",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "suffix",
    "description": "Filter by suffix or honorific (e.g. Jr., Sr.).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f5",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",

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    "description": "Filter by creator names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f4",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "firstNameStartsWith",
    "description": "Filter by creator first names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f3",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleNameStartsWith",
    "description": "Filter by creator middle names that match criteria (e.g. Mi).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f2",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastNameStartsWith",
    "description": "Filter by creator last names that match criteria (e.g. Ben).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f1",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only creators which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27f0",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only creators who worked on in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",

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    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27ef",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only creators who worked on the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27ee",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only creators who worked on comics that took place in the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27ed",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only creators who worked on the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27ec",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27ea",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b27eb",
      "values": [
        "lastName",
        "firstName",

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        "middleName",
        "suffix",
        "modified",
        "-lastName",
        "-firstName",
        "-middleName",
        "-suffix",
        "-modified"
    ]
},
"allowMultiple": true,
"required": false
},
{
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27e8",
    "allowableValues": {
        "min": 1,
        "max": 100,
        "valueType": "RANGE",
        "_id": "5318a13e480b07a76f3b27e9",
        "values": []
    },
    "allowMultiple": false,
    "required": false
},
{
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27e7",
    "allowMultiple": false,
    "required": false
}
],
"summary": "Fetches lists of creators."
}
]
},
{
    "path": "/v1/public/creators/{creatorId}",
    "description": "",
    "operations": [
        {

```

```

    "httpMethod": "GET",
    "nickname": "getCreatorIndividual",
    "responseClass": "CreatorDataWrapper",
    "notes": "This method fetches a single creator resource. It is the canonical URI for any creator resource
provided by the API.",
    "_id": "5318a13f480b07a76f3b2953",
    "errorResponses": [
      {
        "code": 404,
        "reason": "Creator not found.",
        "_id": "5318a13f480b07a76f3b2955"
      }
    ],
    "parameters": [
      {
        "name": "creatorId",
        "description": "A single creator id.",
        "dataType": "int",
        "paramType": "path",
        "_id": "5318a13f480b07a76f3b2954",
        "allowMultiple": false,
        "required": true
      }
    ],
    "summary": "Fetches a single creator by id."
  }
]
},
{
  "path": "/v1/public/creators/{creatorId}/comics",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicsCollection",
      "responseClass": "ComicDataWrapper",
      "notes": "Fetches lists of comics in which the work of a specific creator appears, with optional filters. See
notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b2b1e",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2b43"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",

```

```

    "_id": "5318a13f480b07a76f3b2b42"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b2b41"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b2b40"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b2b3f"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2b3e"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2b3d"
  }
],
"parameters": [
  {
    "name": "creatorId",
    "description": "The creator ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2b3c",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "format",
    "description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b3a",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2b3b",
      "values": [

```

```

    "comic",
    "magazine",
    "trade paperback",
    "hardcover",
    "digest",
    "graphic novel",
    "digital comic",
    "infinite comic"
  ]
},
"allowMultiple": false,
"required": false
},
{
  "name": "formatType",
  "description": "Filter by the issue format type (comic or collection).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b38",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2b39",
    "values": [
      "comic",
      "collection"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "noVariants",
  "description": "Exclude variant comics from the result set.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b36",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2b37",
    "values": [
      "true"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "dateDescriptor",

```

```

"description": "Return comics within a predefined date range.",
"dataType": "string",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2b34",
"allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13f480b07a76f3b2b35",
  "values": [
    "lastWeek",
    "thisWeek",
    "nextWeek",
    "thisMonth"
  ]
},
"allowMultiple": false,
"required": false
},
{
  "name": "dateRange",
  "description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date format.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b33",
  "allowMultiple": true,
  "required": false
},
{
  "name": "diamondCode",
  "description": "Filter by diamond code.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b32",
  "allowMultiple": false,
  "required": false
},
{
  "name": "digitalId",
  "description": "Filter by digital comic id.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b31",
  "allowMultiple": false,
  "required": false
},
{
  "name": "upc",

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    "description": "Filter by UPC.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b30",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "isbn",
    "description": "Filter by ISBN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b2f",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "ean",
    "description": "Filter by EAN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b2e",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "issn",
    "description": "Filter by ISSN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b2d",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "hasDigitalIssue",
    "description": "Include only results which are available digitally.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b2b",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2b2c",
      "values": [
        "true"
      ]
    },
    "allowMultiple": true,

```

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    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only comics which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b2a",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only comics which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b29",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only comics which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b28",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only comics which take place in the specified events (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b27",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only comics which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b26",

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    "allowMultiple": true,
    "required": false
  },
  {
    "name": "sharedAppearances",
    "description": "Return only comics in which the specified characters appear together (for example in which
    BOTH Spider-Man and Wolverine appear).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b25",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "collaborators",
    "description": "Return only comics in which the specified creators worked together (for example in which
    BOTH Stan Lee and Jack Kirby did work).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b24",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
    Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b22",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2b23",
      "values": [
        "focDate",
        "onsaleDate",
        "title",
        "issueNumber",
        "modified",
        "-focDate",
        "-onsaleDate",
        "-title",
        "-issueNumber",
        "-modified"
      ]
    }
  },
  "allowMultiple": true,
  "required": false

```



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    },
    {
      "name": "limit",
      "description": "Limit the result set to the specified number of resources.",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2b20",
      "allowableValues": {
        "min": 1,
        "max": 100,
        "valueType": "RANGE",
        "_id": "5318a13f480b07a76f3b2b21",
        "values": []
      },
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "offset",
      "description": "Skip the specified number of resources in the result set.",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2b1f",
      "allowMultiple": false,
      "required": false
    }
  ],
  "summary": "Fetches lists of comics filtered by a creator id."
}
]
},
{
  "path": "/v1/public/creators/{creatorId}/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events featuring the work of a specific creator with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b281d",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b2831"
        }
      ],
    }
  ],
}

```

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{
  "code": 409,
  "reason": "Limit invalid or below 1.",
  "_id": "5318a13e480b07a76f3b2830"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized parameter.",
  "_id": "5318a13e480b07a76f3b282f"
},
{
  "code": 409,
  "reason": "Empty parameter.",
  "_id": "5318a13e480b07a76f3b282e"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13e480b07a76f3b282d"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13e480b07a76f3b282c"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13e480b07a76f3b282b"
}
],
"parameters": [
  {
    "name": "creatorId",
    "description": "The creator ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b282a",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Filter the event list by name.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2829",
    "allowMultiple": false,
  }
]

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    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2828",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2827",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only events which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2826",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only events which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2825",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only events which take place in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2824",
    "allowMultiple": true,

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    "required": false
  },
  {
    "name": "stories",
    "description": "Return only events which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2823",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2821",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2822",
      "values": [
        "name",
        "startDate",
        "modified",
        "-name",
        "-startDate",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b281f",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b2820",
      "values": []
    },
    "allowMultiple": false,

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    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b281e",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of events filtered by a creator id."
}
]
},
{
  "path": "/v1/public/creators/{creatorId}/series",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorSeriesCollection",
      "responseClass": "SeriesDataWrapper",
      "notes": "Fetches lists of comic series in which a specific creator's work appears, with optional filters. See
notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b2a89",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2aa2"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2aa1"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2aa0"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b2a9f"
        }
      ]
    }
  ]
}

```

```

{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13f480b07a76f3b2a9e"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13f480b07a76f3b2a9d"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13f480b07a76f3b2a9c"
}
],
"parameters": [
  {
    "name": "creatorId",
    "description": "The creator ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a9b",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "title",
    "description": "Filter by series title.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a9a",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "titleStartsWith",
    "description": "Return series with titles that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a99",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "startYear",
    "description": "Return only series matching the specified start year.",
    "dataType": "int",

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    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a98",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only series which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a97",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only series which contain the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a96",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only series which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a95",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only series which have comics that take place during the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a94",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only series which feature the specified characters (accepts a comma-separated list of
ids).",

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    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a93",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "seriesType",
    "description": "Filter the series by publication frequency type.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a91",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a92",
      "values": [
        "collection",
        "one shot",
        "limited",
        "ongoing"
      ]
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "contains",
    "description": "Return only series containing one or more comics with the specified format.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a8f",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a90",
      "values": [
        "comic",
        "magazine",
        "trade paperback",
        "hardcover",
        "digest",
        "graphic novel",
        "digital comic",
        "infinite comic"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
}

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```

{
  "name": "orderBy",
  "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a8d",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a8e",
    "values": [
      "title",
      "modified",
      "startYear",
      "-title",
      "-modified",
      "-startYear"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a8b",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13f480b07a76f3b2a8c",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a8a",
  "allowMultiple": false,
  "required": false
}
],

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    "summary": "Fetches lists of series filtered by a creator id."
  }
]
},
{
  "path": "/v1/public/creators/{creatorId}/stories",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorStoryCollection",
      "responseClass": "StoryDataWrapper",
      "notes": "Fetches lists of comic stories by a specific creator with optional filters. See notes on individual
parameters below.",
      "_id": "5318a13f480b07a76f3b2a74",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2a86"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2a85"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2a84"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b2a83"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13f480b07a76f3b2a82"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13f480b07a76f3b2a81"
        },
        {
          "code": 409,

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    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2a80"
  }
],
"parameters": [
  {
    "name": "creatorId",
    "description": "The ID of the creator.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a7f",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "modifiedSince",
    "description": "Return only stories which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a7e",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only stories contained in the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a7d",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only stories contained the specified series (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a7c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only stories which take place during the specified events (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",

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    "_id": "5318a13f480b07a76f3b2a7b",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only stories which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a7a",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a78",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a79",
      "values": [
        "id",
        "modified",
        "-id",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a76",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2a77",
      "values": []
    },
    "allowMultiple": false,

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    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a75",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of stories filtered by a creator id."
}
]
},
{
  "path": "/v1/public/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b27cf",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b27e3"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b27e2"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b27e1"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b27e0"
        },
        {

```

```

    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b27df"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b27de"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b27dd"
  }
],
"parameters": [
  {
    "name": "name",
    "description": "Return only events which match the specified name.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27dc",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27db",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27da",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only events which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",

```

```

    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27d9",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only events which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27d8",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only events which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27d7",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only events which take place in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27d6",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only events which take place in the specified stories (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27d5",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.

```

Multiple values are given priority in the order in which they are passed.",

```
"dataType": "string",
"paramType": "query",
"_id": "5318a13e480b07a76f3b27d3",
"allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13e480b07a76f3b27d4",
  "values": [
    "name",
    "startDate",
    "modified",
    "-name",
    "-startDate",
    "-modified"
  ]
},
"allowMultiple": true,
"required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b27d1",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13e480b07a76f3b27d2",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b27d0",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of events."
}
]
```



```

},
{
  "path": "/v1/public/events/{eventId}",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventIndividual",
      "responseClass": "EventDataWrapper",
      "notes": "This method fetches a single event resource. It is the canonical URI for any event resource provided
by the API.",
      "_id": "5318a13e480b07a76f3b27a9",
      "errorResponses": [
        {
          "code": 404,
          "reason": "Event not found.",
          "_id": "5318a13e480b07a76f3b27ab"
        }
      ],
      "parameters": [
        {
          "name": "eventId",
          "description": "A single event.",
          "dataType": "int",
          "paramType": "path",
          "_id": "5318a13e480b07a76f3b27aa",
          "allowMultiple": false,
          "required": true
        }
      ],
      "summary": "Fetches a single event by id."
    }
  ]
},
{
  "path": "/v1/public/events/{eventId}/characters",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventCharacterCollection",
      "responseClass": "CharacterDataWrapper",
      "notes": "Fetches lists of characters which appear in a specific event, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13f480b07a76f3b29d2",
      "errorResponses": [
        {
          "code": 409,

```

```

    "reason": "Limit greater than 100.",
    "_id": "5318a13f480b07a76f3b29e5"
  },
  {
    "code": 409,
    "reason": "Limit invalid or below 1.",
    "_id": "5318a13f480b07a76f3b29e4"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b29e3"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b29e2"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b29e1"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b29e0"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b29df"
  }
],
"parameters": [
  {
    "name": "eventId",
    "description": "The event ID",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b29de",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Return only characters matching the specified full character name (e.g. Spider-Man).",
    "dataType": "string",

```

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    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29dd",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return characters with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29dc",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only characters which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29db",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only characters which appear in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29da",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only characters which appear the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29d9",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only characters which appear the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",

```

```

    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29d8",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29d6",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29d7",
      "values": [
        "name",
        "modified",
        "-name",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29d4",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b29d5",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29d3",
    "allowMultiple": false,

```

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    "required": false
  }
],
"summary": "Fetches lists of characters filtered by an event id."
}
]
},
{
  "path": "/v1/public/events/{eventId}/comics",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicsCollection",
      "responseClass": "ComicDataWrapper",
      "notes": "Fetches lists of comics which take place during a specific event, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13f480b07a76f3b2aa5",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2acb"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2aca"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2ac9"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b2ac8"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13f480b07a76f3b2ac7"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13f480b07a76f3b2ac6"
        }
      ]
    }
  ]
}

```

```

    },
    {
      "code": 409,
      "reason": "Invalid value passed to filter.",
      "_id": "5318a13f480b07a76f3b2ac5"
    }
  ],
  "parameters": [
    {
      "name": "eventId",
      "description": "The event id.",
      "dataType": "int",
      "paramType": "path",
      "_id": "5318a13f480b07a76f3b2ac4",
      "allowMultiple": false,
      "required": true
    },
    {
      "name": "format",
      "description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2ac2",
      "allowableValues": {
        "valueType": "LIST",
        "_id": "5318a13f480b07a76f3b2ac3",
        "values": [
          "comic",
          "magazine",
          "trade paperback",
          "hardcover",
          "digest",
          "graphic novel",
          "digital comic",
          "infinite comic"
        ]
      },
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "formatType",
      "description": "Filter by the issue format type (comic or collection).",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2ac0",
      "allowableValues": {
        "valueType": "LIST",

```

```

    "_id": "5318a13f480b07a76f3b2ac1",
    "values": [
      "comic",
      "collection"
    ]
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "noVariants",
  "description": "Exclude variant comics from the result set.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2abe",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2abf",
    "values": [
      "true"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "dateDescriptor",
  "description": "Return comics within a predefined date range.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2abc",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2abd",
    "values": [
      "lastWeek",
      "thisWeek",
      "nextWeek",
      "thisMonth"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "dateRange",

```

"description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date

```

format.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2abb",
  "allowMultiple": true,
  "required": false
},
{
  "name": "diamondCode",
  "description": "Filter by diamond code.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2aba",
  "allowMultiple": false,
  "required": false
},
{
  "name": "digitalId",
  "description": "Filter by digital comic id.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ab9",
  "allowMultiple": false,
  "required": false
},
{
  "name": "upc",
  "description": "Filter by UPC.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ab8",
  "allowMultiple": false,
  "required": false
},
{
  "name": "isbn",
  "description": "Filter by ISBN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ab7",
  "allowMultiple": false,
  "required": false
},
{
  "name": "ean",
  "description": "Filter by EAN.",
  "dataType": "string",
  "paramType": "query",

```



```

    "_id": "5318a13f480b07a76f3b2ab6",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "issn",
    "description": "Filter by ISSN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ab5",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "hasDigitalIssue",
    "description": "Include only results which are available digitally.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ab3",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2ab4",
      "values": [
        "true"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only comics which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ab2",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only comics which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ab1",
    "allowMultiple": true,
    "required": false
  },

```

```

    {
      "name": "characters",
      "description": "Return only comics which feature the specified characters (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2ab0",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "series",
      "description": "Return only comics which are part of the specified series (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2aaf",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "events",
      "description": "Return only comics which take place in the specified events (accepts a comma-separated list
of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2aae",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "stories",
      "description": "Return only comics which contain the specified stories (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2aad",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "sharedAppearances",
      "description": "Return only comics in which the specified characters appear together (for example in which
BOTH Spider-Man and Wolverine appear).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2aac",
      "allowMultiple": true,

```

```

    "required": false
  },
  {
    "name": "collaborators",
    "description": "Return only comics in which the specified creators worked together (for example in which
    BOTH Stan Lee and Jack Kirby did work).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2aab",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
    Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2aa9",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2aaa",
      "values": [
        "focDate",
        "onsaleDate",
        "title",
        "issueNumber",
        "modified",
        "-focDate",
        "-onsaleDate",
        "-title",
        "-issueNumber",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2aa7",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",

```

```

    "_id": "5318a13f480b07a76f3b2aa8",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2aa6",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of comics filtered by an event id."
}
]
},
{
  "path": "/v1/public/events/{eventId}/creators",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CreatorDataWrapper",
      "notes": "Fetches lists of comic creators whose work appears in a specific event, with optional filters. See
notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b296e",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2987"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2986"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2985"
        },
        {

```

```

    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b2984"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b2983"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2982"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2981"
  }
],
"parameters": [
  {
    "name": "eventId",
    "description": "The event ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2980",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "firstName",
    "description": "Filter by creator first name (e.g. brian).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b297f",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleName",
    "description": "Filter by creator middle name (e.g. Michael).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b297e",
    "allowMultiple": false,
    "required": false
  }
],

```

```

{
  "name": "lastName",
  "description": "Filter by creator last name (e.g. Bendis).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b297d",
  "allowMultiple": false,
  "required": false
},
{
  "name": "suffix",
  "description": "Filter by suffix or honorific (e.g. Jr., Sr.).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b297c",
  "allowMultiple": false,
  "required": false
},
{
  "name": "nameStartsWith",
  "description": "Filter by creator names that match criteria (e.g. B, St L).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b297b",
  "allowMultiple": false,
  "required": false
},
{
  "name": "firstNameStartsWith",
  "description": "Filter by creator first names that match criteria (e.g. B, St L).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b297a",
  "allowMultiple": false,
  "required": false
},
{
  "name": "middleNameStartsWith",
  "description": "Filter by creator middle names that match criteria (e.g. Mi).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2979",
  "allowMultiple": false,
  "required": false
},
{
  "name": "lastNameStartsWith",
  "description": "Filter by creator last names that match criteria (e.g. Ben).",

```

```

    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2978",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only creators which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2977",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only creators who worked on in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2976",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only creators who worked on the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2975",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only creators who worked on the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2974",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.

```

Multiple values are given priority in the order in which they are passed.",

```
"dataType": "string",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2972",
"allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13f480b07a76f3b2973",
  "values": [
    "lastName",
    "firstName",
    "middleName",
    "suffix",
    "modified",
    "-lastName",
    "-firstName",
    "-middleName",
    "-suffix",
    "-modified"
  ]
},
"allowMultiple": true,
"required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2970",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13f480b07a76f3b2971",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b296f",
  "allowMultiple": false,
  "required": false
}
```



```

    ],
    "summary": "Fetches lists of creators filtered by an event id."
  }
]
},
{
  "path": "/v1/public/events/{eventId}/series",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventSeriesCollection",
      "responseClass": "SeriesDataWrapper",
      "notes": "Fetches lists of comic series in which a specific event takes place, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13f480b07a76f3b29b6",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b29cf"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b29ce"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b29cd"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b29cc"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13f480b07a76f3b29cb"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13f480b07a76f3b29ca"
        },
        {

```

```

    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b29c9"
  }
],
"parameters": [
  {
    "name": "eventId",
    "description": "The event ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b29c8",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "title",
    "description": "Filter by series title.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c7",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "titleStartsWith",
    "description": "Return series with titles that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c6",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "startYear",
    "description": "Return only series matching the specified start year.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c5",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only series which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c4",

```

```

    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only series which contain the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c3",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only series which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c2",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only series which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c1",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only series which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29c0",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "seriesType",
    "description": "Filter the series by publication frequency type.",
    "dataType": "string",
    "paramType": "query",

```

```

    "_id": "5318a13f480b07a76f3b29be",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29bf",
      "values": [
        "collection",
        "one shot",
        "limited",
        "ongoing"
      ]
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "contains",
    "description": "Return only series containing one or more comics with the specified format.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29bc",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29bd",
      "values": [
        "comic",
        "magazine",
        "trade paperback",
        "hardcover",
        "digest",
        "graphic novel",
        "digital comic",
        "infinite comic"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29ba",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b29bb",
      "values": [

```

```

        "title",
        "modified",
        "startYear",
        "-title",
        "-modified",
        "-startYear"
    ]
},
"allowMultiple": true,
"required": false
},
{
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29b8",
    "allowableValues": {
        "min": 1,
        "max": 100,
        "valueType": "RANGE",
        "_id": "5318a13f480b07a76f3b29b9",
        "values": []
    },
    "allowMultiple": false,
    "required": false
},
{
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b29b7",
    "allowMultiple": false,
    "required": false
}
],
"summary": "Fetches lists of series filtered by an event id."
}
]
},
{
    "path": "/v1/public/events/{eventId}/stories",
    "description": "",
    "operations": [
        {
            "httpMethod": "GET",
            "nickname": "getEventStoryCollection",

```

```
"responseClass": "StoryDataWrapper",
"notes": "Fetches lists of comic stories from a specific event, with optional filters. See notes on individual
parameters below.",
"_id": "5318a13f480b07a76f3b2a20",
"errorResponses": [
  {
    "code": 409,
    "reason": "Limit greater than 100.",
    "_id": "5318a13f480b07a76f3b2a32"
  },
  {
    "code": 409,
    "reason": "Limit invalid or below 1.",
    "_id": "5318a13f480b07a76f3b2a31"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b2a30"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b2a2f"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b2a2e"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2a2d"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2a2c"
  }
],
"parameters": [
  {
    "name": "eventId",
    "description": "The ID of the event.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a2b",
```

```

    "allowMultiple": false,
    "required": true
  },
  {
    "name": "modifiedSince",
    "description": "Return only stories which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a2a",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only stories contained in the specified (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a29",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only stories contained the specified series (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a28",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only stories which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a27",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only stories which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a26",
    "allowMultiple": true,

```

```

    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a24",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a25",
      "values": [
        "id",
        "modified",
        "-id",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a22",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2a23",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a21",
    "allowMultiple": false,
    "required": false
  }
],

```



```

    "summary": "Fetches lists of stories filtered by an event id."
  }
]
},
{
  "path": "/v1/public/series",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getSeriesCollection",
      "responseClass": "SeriesDataWrapper",
      "notes": "Fetches lists of comic series with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b27b3",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b27cc"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b27cb"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b27ca"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b27c9"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13e480b07a76f3b27c8"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13e480b07a76f3b27c7"
        },
        {
          "code": 409,
          "reason": "Invalid value passed to filter.",

```

```

    "_id": "5318a13e480b07a76f3b27c6"
  }
],
"parameters": [
  {
    "name": "title",
    "description": "Return only series matching the specified title.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c5",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "titleStartsWith",
    "description": "Return series with titles that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c4",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "startYear",
    "description": "Return only series matching the specified start year.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c3",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only series which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c2",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only series which contain the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c1",
    "allowMultiple": true,

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    "required": false
  },
  {
    "name": "stories",
    "description": "Return only series which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27c0",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only series which have comics that take place during the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27bf",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only series which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27be",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only series which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27bd",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "seriesType",
    "description": "Filter the series by publication frequency type.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27bb",

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```

"allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13e480b07a76f3b27bc",
  "values": [
    "collection",
    "one shot",
    "limited",
    "ongoing"
  ]
},
"allowMultiple": false,
"required": false
},
{
  "name": "contains",
  "description": "Return only series containing one or more comics with the specified format.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b27b9",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13e480b07a76f3b27ba",
    "values": [
      "comic",
      "magazine",
      "trade paperback",
      "hardcover",
      "digest",
      "graphic novel",
      "digital comic",
      "infinite comic"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "orderBy",
  "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b27b7",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13e480b07a76f3b27b8",
    "values": [
      "title",

```

```

        "modified",
        "startYear",
        "-title",
        "-modified",
        "-startYear"
    ]
},
"allowMultiple": true,
"required": false
},
{
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27b5",
    "allowableValues": {
        "min": 1,
        "max": 100,
        "valueType": "RANGE",
        "_id": "5318a13e480b07a76f3b27b6",
        "values": []
    },
    "allowMultiple": false,
    "required": false
},
{
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b27b4",
    "allowMultiple": false,
    "required": false
}
],
"summary": "Fetches lists of series."
}
]
},
{
    "path": "/v1/public/series/{seriesId}",
    "description": "",
    "operations": [
        {
            "httpMethod": "GET",
            "nickname": "getSeriesIndividual",
            "responseClass": "SeriesDataWrapper",

```

```

"notes": "This method fetches a single comic series resource. It is the canonical URI for any comic series
resource provided by the API.",
"_id": "5318a13e480b07a76f3b2834",
"errorResponses": [
  {
    "code": 404,
    "reason": "Series not found.",
    "_id": "5318a13e480b07a76f3b2836"
  }
],
"parameters": [
  {
    "name": "seriesId",
    "description": "Filter by series title.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b2835",
    "allowMultiple": false,
    "required": true
  }
],
"summary": "Fetches a single comic series by id."
}
]
},
{
"path": "/v1/public/series/{seriesId}/characters",
"description": "",
"operations": [
  {
    "httpMethod": "GET",
    "nickname": "getSeriesCharacterWrapper",
    "responseClass": "CharacterDataWrapper",
    "notes": "Fetches lists of characters which appear in specific series, with optional filters. See notes on
individual parameters below.",
    "_id": "5318a13e480b07a76f3b2839",
    "errorResponses": [
      {
        "code": 409,
        "reason": "Limit greater than 100.",
        "_id": "5318a13e480b07a76f3b284c"
      },
      {
        "code": 409,
        "reason": "Limit invalid or below 1.",
        "_id": "5318a13e480b07a76f3b284b"
      },
      {

```

```

    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13e480b07a76f3b284a"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13e480b07a76f3b2849"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b2848"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b2847"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b2846"
  }
],
"parameters": [
  {
    "name": "seriesId",
    "description": "The series id.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b2845",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Return only characters matching the specified full character name (e.g. Spider-Man).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2844",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return characters with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",

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    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2843",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only characters which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2842",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only characters which appear in the specified comics (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2841",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only characters which appear comics that took place in the specified events (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2840",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only characters which appear the specified stories (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b283f",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order. Multiple values are given priority in the order in which they are passed.",

```



```

    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b283d",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b283e",
      "values": [
        "name",
        "modified",
        "-name",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b283b",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b283c",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b283a",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of characters filtered by a series id."
}
]
},
{
  "path": "/v1/public/series/{seriesId}/comics",

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```

"description": "",
"operations": [
  {
    "httpMethod": "GET",
    "nickname": "getComicsCollection",
    "responseClass": "ComicDataWrapper",
    "notes": "Fetches lists of comics which are published as part of a specific series, with optional filters. See notes
on individual parameters below.",
    "_id": "5318a13f480b07a76f3b2af6",
    "errorResponses": [
      {
        "code": 409,
        "reason": "Limit greater than 100.",
        "_id": "5318a13f480b07a76f3b2b1b"
      },
      {
        "code": 409,
        "reason": "Limit invalid or below 1.",
        "_id": "5318a13f480b07a76f3b2b1a"
      },
      {
        "code": 409,
        "reason": "Invalid or unrecognized parameter.",
        "_id": "5318a13f480b07a76f3b2b19"
      },
      {
        "code": 409,
        "reason": "Empty parameter.",
        "_id": "5318a13f480b07a76f3b2b18"
      },
      {
        "code": 409,
        "reason": "Invalid or unrecognized ordering parameter.",
        "_id": "5318a13f480b07a76f3b2b17"
      },
      {
        "code": 409,
        "reason": "Too many values sent to a multi-value list filter.",
        "_id": "5318a13f480b07a76f3b2b16"
      },
      {
        "code": 409,
        "reason": "Invalid value passed to filter.",
        "_id": "5318a13f480b07a76f3b2b15"
      }
    ],
    "parameters": [
      {

```

```

"name": "seriesId",
"description": "The series ID.",
"dataType": "int",
"paramType": "path",
"_id": "5318a13f480b07a76f3b2b14",
"allowMultiple": false,
"required": true
},
{
"name": "format",
"description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
"dataType": "string",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2b12",
"allowableValues": {
"valueType": "LIST",
"_id": "5318a13f480b07a76f3b2b13",
"values": [
"comic",
"magazine",
"trade paperback",
"hardcover",
"digest",
"graphic novel",
"digital comic",
"infinite comic"
]
},
"allowMultiple": false,
"required": false
},
{
"name": "formatType",
"description": "Filter by the issue format type (comic or collection).",
"dataType": "string",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2b10",
"allowableValues": {
"valueType": "LIST",
"_id": "5318a13f480b07a76f3b2b11",
"values": [
"comic",
"collection"
]
},
"allowMultiple": false,
"required": false
},

```

```

{
  "name": "noVariants",
  "description": "Exclude variant comics from the result set.",
  "dataType": "boolean",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b0e",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2b0f",
    "values": [
      "true"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "dateDescriptor",
  "description": "Return comics within a predefined date range.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b0c",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2b0d",
    "values": [
      "lastWeek",
      "thisWeek",
      "nextWeek",
      "thisMonth"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "dateRange",
  "description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date format.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2b0b",
  "allowMultiple": true,
  "required": false
},
{
  "name": "diamondCode",

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    "description": "Filter by diamond code.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b0a",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "digitalId",
    "description": "Filter by digital comic id.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b09",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "upc",
    "description": "Filter by UPC.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b08",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "isbn",
    "description": "Filter by ISBN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b07",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "ean",
    "description": "Filter by EAN.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b06",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "issn",
    "description": "Filter by ISSN.",
    "dataType": "string",
    "paramType": "query",

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```

    "_id": "5318a13f480b07a76f3b2b05",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "hasDigitalIssue",
    "description": "Include only results which are available digitally.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b03",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2b04",
      "values": [
        "true"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only comics which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b02",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only comics which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b01",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only comics which feature the specified characters (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2b00",
    "allowMultiple": true,
    "required": false
  }

```

```

    },
    {
      "name": "events",
      "description": "Return only comics which take place in the specified events (accepts a comma-separated list
of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2aff",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "stories",
      "description": "Return only comics which contain the specified stories (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2afe",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "sharedAppearances",
      "description": "Return only comics in which the specified characters appear together (for example in which
BOTH Spider-Man and Wolverine appear).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2afd",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "collaborators",
      "description": "Return only comics in which the specified creators worked together (for example in which
BOTH Stan Lee and Jack Kirby did work).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2afc",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "orderBy",
      "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13f480b07a76f3b2afa",

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```

    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2afb",
      "values": [
        "focDate",
        "onsaleDate",
        "title",
        "issueNumber",
        "modified",
        "-focDate",
        "-onsaleDate",
        "-title",
        "-issueNumber",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2af8",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2af9",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2af7",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of comics filtered by a series id."
}
]

```



```

},
{
  "path": "/v1/public/series/{seriesId}/creators",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CreatorDataWrapper",
      "notes": "Fetches lists of comic creators whose work appears in a specific series, with optional filters. See
notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b2865",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b287e"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b287d"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b287c"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b287b"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13e480b07a76f3b287a"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13e480b07a76f3b2879"
        },
        {
          "code": 409,
          "reason": "Invalid value passed to filter.",
          "_id": "5318a13e480b07a76f3b2878"
        }
      ]
    }
  ]
}

```

```

],
"parameters": [
  {
    "name": "seriesId",
    "description": "The series ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b2877",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "firstName",
    "description": "Filter by creator first name (e.g. brian).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2876",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleName",
    "description": "Filter by creator middle name (e.g. Michael).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2875",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastName",
    "description": "Filter by creator last name (e.g. Bendis).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2874",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "suffix",
    "description": "Filter by suffix or honorific (e.g. Jr., Sr.).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2873",
    "allowMultiple": false,
    "required": false
  },
  {

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```

    "name": "nameStartsWith",
    "description": "Filter by creator names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2872",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "firstNameStartsWith",
    "description": "Filter by creator first names that match criteria (e.g. B, St L).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2871",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleNameStartsWith",
    "description": "Filter by creator middle names that match criteria (e.g. Mi).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2870",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastNameStartsWith",
    "description": "Filter by creator last names that match criteria (e.g. Ben).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b286f",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only creators which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b286e",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only creators who worked on in the specified comics (accepts a comma-separated list of ids).",

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```

    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b286d",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only creators who worked on comics that took place in the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b286c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only creators who worked on the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b286b",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2869",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b286a",
      "values": [
        "lastName",
        "firstName",
        "middleName",
        "suffix",
        "modified",
        "-lastName",
        "-firstName",
        "-middleName",
        "-suffix",
        "-modified"
      ]
    }
  }
]

```

```

    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2867",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b2868",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2866",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of creators filtered by a series id."
}
]
},
{
  "path": "/v1/public/series/{seriesId}/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events which occur in a specific series, with optional filters. See notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b2a5d",
      "errorResponses": [
        {
          "code": 409,

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```

    "reason": "Limit greater than 100.",
    "_id": "5318a13f480b07a76f3b2a71"
  },
  {
    "code": 409,
    "reason": "Limit invalid or below 1.",
    "_id": "5318a13f480b07a76f3b2a70"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13f480b07a76f3b2a6f"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13f480b07a76f3b2a6e"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13f480b07a76f3b2a6d"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13f480b07a76f3b2a6c"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13f480b07a76f3b2a6b"
  }
],
"parameters": [
  {
    "name": "seriesId",
    "description": "The series ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2a6a",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Filter the event list by name.",
    "dataType": "string",

```

```

    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a69",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a68",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a67",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only events which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a66",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only events which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a65",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only events which take place in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",

```

```

    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a64",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "stories",
    "description": "Return only events which contain the specified stories (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a63",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a61",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2a62",
      "values": [
        "name",
        "startDate",
        "modified",
        "-name",
        "-startDate",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2a5f",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b2a60",

```



```

    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2a5e",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of events filtered by a series id."
}
]
},
{
  "path": "/v1/public/series/{seriesId}/stories",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getSeriesStoryCollection",
      "responseClass": "StoryDataWrapper",
      "notes": "Fetches lists of comic stories from a specific series with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b2896",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b28a8"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b28a7"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b28a6"
        },
        {
          "code": 409,

```

```

    "reason": "Empty parameter.",
    "_id": "5318a13e480b07a76f3b28a5"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b28a4"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b28a3"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b28a2"
  }
],
"parameters": [
  {
    "name": "seriesId",
    "description": "The series ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b28a1",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "modifiedSince",
    "description": "Return only stories which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28a0",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only stories contained in the specified (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b289f",
    "allowMultiple": true,
    "required": false
  },
  {

```

```

    "name": "events",
    "description": "Return only stories which take place during the specified events (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b289e",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only stories which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b289d",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only stories which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b289c",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b289a",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b289b",
      "values": [
        "id",
        "modified",
        "-id",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  }

```

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    },
    {
      "name": "limit",
      "description": "Limit the result set to the specified number of resources.",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2898",
      "allowableValues": {
        "min": 1,
        "max": 100,
        "valueType": "RANGE",
        "_id": "5318a13e480b07a76f3b2899",
        "values": []
      },
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "offset",
      "description": "Skip the specified number of resources in the result set.",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2897",
      "allowMultiple": false,
      "required": false
    }
  ],
  "summary": "Fetches lists of stories filtered by a series id."
}
]
},
{
  "path": "/v1/public/stories",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getStoryCollection",
      "responseClass": "StoryDataWrapper",
      "notes": "Fetches lists of comic stories with optional filters. See notes on individual parameters below.",
      "_id": "5318a13e480b07a76f3b2881",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b2893"
        },
        {

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    "code": 409,
    "reason": "Limit invalid or below 1.",
    "_id": "5318a13e480b07a76f3b2892"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized parameter.",
    "_id": "5318a13e480b07a76f3b2891"
  },
  {
    "code": 409,
    "reason": "Empty parameter.",
    "_id": "5318a13e480b07a76f3b2890"
  },
  {
    "code": 409,
    "reason": "Invalid or unrecognized ordering parameter.",
    "_id": "5318a13e480b07a76f3b288f"
  },
  {
    "code": 409,
    "reason": "Too many values sent to a multi-value list filter.",
    "_id": "5318a13e480b07a76f3b288e"
  },
  {
    "code": 409,
    "reason": "Invalid value passed to filter.",
    "_id": "5318a13e480b07a76f3b288d"
  }
],
"parameters": [
  {
    "name": "modifiedSince",
    "description": "Return only stories which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b288c",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only stories contained in the specified (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b288b",
    "allowMultiple": true,
    "required": false
  }
]

```

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    },
    {
      "name": "series",
      "description": "Return only stories contained the specified series (accepts a comma-separated list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b288a",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "events",
      "description": "Return only stories which take place during the specified events (accepts a comma-separated
list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2889",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "creators",
      "description": "Return only stories which feature work by the specified creators (accepts a comma-separated
list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2888",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "characters",
      "description": "Return only stories which feature the specified characters (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2887",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "orderBy",
      "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b2885",
      "allowableValues": {

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```

    "valueType": "LIST",
    "_id": "5318a13e480b07a76f3b2886",
    "values": [
      "id",
      "modified",
      "-id",
      "-modified"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b2883",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13e480b07a76f3b2884",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b2882",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of stories."
}
]
},
{
  "path": "/v1/public/stories/{storyId}",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",

```

```

    "nickname": "getStoryIndividual",
    "responseClass": "StoryDataWrapper",
    "notes": "This method fetches a single comic story resource. It is the canonical URI for any comic story
resource provided by the API.",
    "_id": "5318a13f480b07a76f3b2a1b",
    "errorResponses": [
      {
        "code": 404,
        "reason": "Story not found.",
        "_id": "5318a13f480b07a76f3b2a1d"
      }
    ],
    "parameters": [
      {
        "name": "storyId",
        "description": "Filter by story id.",
        "dataType": "int",
        "paramType": "path",
        "_id": "5318a13f480b07a76f3b2a1c",
        "allowMultiple": false,
        "required": true
      }
    ],
    "summary": "Fetches a single comic story by id."
  }
]
},
{
  "path": "/v1/public/stories/{storyId}/characters",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CharacterDataWrapper",
      "notes": "Fetches lists of comic characters appearing in a single story, with optional filters. See notes on
individual parameters below.",
      "_id": "5318a13e480b07a76f3b284f",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b2862"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b2861"
        }
      ]
    }
  ]
}

```



```

},
{
  "code": 409,
  "reason": "Invalid or unrecognized parameter.",
  "_id": "5318a13e480b07a76f3b2860"
},
{
  "code": 409,
  "reason": "Empty parameter.",
  "_id": "5318a13e480b07a76f3b285f"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13e480b07a76f3b285e"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13e480b07a76f3b285d"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13e480b07a76f3b285c"
}
],
"parameters": [
  {
    "name": "storyId",
    "description": "The story ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b285b",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",
    "description": "Return only characters matching the specified full character name (e.g. Spider-Man).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b285a",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",

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```

    "description": "Return characters with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2859",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only characters which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2858",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only characters which appear in the specified comics (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2857",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only characters which appear the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2856",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only characters which appear comics that took place in the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2855",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",

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```

    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2853",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13e480b07a76f3b2854",
      "values": [
        "name",
        "modified",
        "-name",
        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2851",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b2852",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b2850",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of characters filtered by a story id."
}
]
},

```

```

{
  "path": "/v1/public/stories/{storyId}/comics",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getComicsCollection",
      "responseClass": "ComicDataWrapper",
      "notes": "Fetches lists of comics in which a specific story appears, with optional filters. See notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b2ace",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13f480b07a76f3b2af3"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13f480b07a76f3b2af2"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13f480b07a76f3b2af1"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13f480b07a76f3b2af0"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13f480b07a76f3b2aef"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13f480b07a76f3b2aee"
        },
        {
          "code": 409,
          "reason": "Invalid value passed to filter.",
          "_id": "5318a13f480b07a76f3b2aed"
        }
      ]
    }
  ],

```

```

"parameters": [
  {
    "name": "storyId",
    "description": "The story ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2aec",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "format",
    "description": "Filter by the issue format (e.g. comic, digital comic, hardcover).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2aea",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2aeb",
      "values": [
        "comic",
        "magazine",
        "trade paperback",
        "hardcover",
        "digest",
        "graphic novel",
        "digital comic",
        "infinite comic"
      ]
    }
  },
  {
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "formatType",
    "description": "Filter by the issue format type (comic or collection).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ae8",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2ae9",
      "values": [
        "comic",
        "collection"
      ]
    }
  },
  {
    "allowMultiple": false,

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    "required": false
  },
  {
    "name": "noVariants",
    "description": "Exclude variant comics from the result set.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ae6",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2ae7",
      "values": [
        "true"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "dateDescriptor",
    "description": "Return comics within a predefined date range.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ae4",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2ae5",
      "values": [
        "lastWeek",
        "thisWeek",
        "nextWeek",
        "thisMonth"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "dateRange",
    "description": "Return comics within a predefined date range. Dates must be specified as date1,date2 (e.g. 2013-01-01,2013-01-02). Dates are preferably formatted as YYYY-MM-DD but may be sent as any common date format.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ae3",
    "allowMultiple": true,
    "required": false
  },

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{
  "name": "diamondCode",
  "description": "Filter by diamond code.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ae2",
  "allowMultiple": false,
  "required": false
},
{
  "name": "digitalId",
  "description": "Filter by digital comic id.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ae1",
  "allowMultiple": false,
  "required": false
},
{
  "name": "upc",
  "description": "Filter by UPC.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ae0",
  "allowMultiple": false,
  "required": false
},
{
  "name": "isbn",
  "description": "Filter by ISBN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2adf",
  "allowMultiple": false,
  "required": false
},
{
  "name": "ean",
  "description": "Filter by EAN.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ade",
  "allowMultiple": false,
  "required": false
},
{
  "name": "issn",
  "description": "Filter by ISSN.",

```

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    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2add",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "hasDigitalIssue",
    "description": "Include only results which are available digitally.",
    "dataType": "boolean",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2adb",
    "allowableValues": {
      "valueType": "LIST",
      "_id": "5318a13f480b07a76f3b2adc",
      "values": [
        "true"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only comics which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ada",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only comics which feature work by the specified creators (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad9",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only comics which feature the specified characters (accepts a comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad8",

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    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only comics which are part of the specified series (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad7",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "events",
    "description": "Return only comics which take place in the specified events (accepts a comma-separated list
of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad6",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "sharedAppearances",
    "description": "Return only comics in which the specified characters appear together (for example in which
BOTH Spider-Man and Wolverine appear).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad5",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "collaborators",
    "description": "Return only comics in which the specified creators worked together (for example in which
BOTH Stan Lee and Jack Kirby did work).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2ad4",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "orderBy",
    "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
    "dataType": "string",

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"paramType": "query",
"_id": "5318a13f480b07a76f3b2ad2",
"allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13f480b07a76f3b2ad3",
  "values": [
    "focDate",
    "onsaleDate",
    "title",
    "issueNumber",
    "modified",
    "-focDate",
    "-onsaleDate",
    "-title",
    "-issueNumber",
    "-modified"
  ]
},
"allowMultiple": true,
"required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2ad0",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13f480b07a76f3b2ad1",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2acf",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of comics filtered by a story id."

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    }
  ]
},
{
  "path": "/v1/public/stories/{storyId}/creators",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getCreatorCollection",
      "responseClass": "CreatorDataWrapper",
      "notes": "Fetches lists of comic creators whose work appears in a specific story, with optional filters. See notes
on individual parameters below.",
      "_id": "5318a13e480b07a76f3b28c7",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b28e0"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b28df"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b28de"
        },
        {
          "code": 409,
          "reason": "Empty parameter.",
          "_id": "5318a13e480b07a76f3b28dd"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized ordering parameter.",
          "_id": "5318a13e480b07a76f3b28dc"
        },
        {
          "code": 409,
          "reason": "Too many values sent to a multi-value list filter.",
          "_id": "5318a13e480b07a76f3b28db"
        },
        {
          "code": 409,
          "reason": "Invalid value passed to filter.",

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    "_id": "5318a13e480b07a76f3b28da"
  }
],
"parameters": [
  {
    "name": "storyId",
    "description": "The story ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b28d9",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "firstName",
    "description": "Filter by creator first name (e.g. brian).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28d8",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "middleName",
    "description": "Filter by creator middle name (e.g. Michael).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28d7",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "lastName",
    "description": "Filter by creator last name (e.g. Bendis).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28d6",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "suffix",
    "description": "Filter by suffix or honorific (e.g. Jr., Sr.).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28d5",
    "allowMultiple": false,
    "required": false
  }
]

```

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},
{
  "name": "nameStartsWith",
  "description": "Filter by creator names that match criteria (e.g. B, St L).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28d4",
  "allowMultiple": false,
  "required": false
},
{
  "name": "firstNameStartsWith",
  "description": "Filter by creator first names that match criteria (e.g. B, St L).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28d3",
  "allowMultiple": false,
  "required": false
},
{
  "name": "middleNameStartsWith",
  "description": "Filter by creator middle names that match criteria (e.g. Mi).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28d2",
  "allowMultiple": false,
  "required": false
},
{
  "name": "lastNameStartsWith",
  "description": "Filter by creator last names that match criteria (e.g. Ben).",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28d1",
  "allowMultiple": false,
  "required": false
},
{
  "name": "modifiedSince",
  "description": "Return only creators which have been modified since the specified date.",
  "dataType": "Date",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28d0",
  "allowMultiple": false,
  "required": false
},
{
  "name": "comics",

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      "description": "Return only creators who worked on in the specified comics (accepts a comma-separated list
of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28cf",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "series",
      "description": "Return only creators who worked on the specified series (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28ce",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "events",
      "description": "Return only creators who worked on comics that took place in the specified events (accepts a
comma-separated list of ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28cd",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "orderBy",
      "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28cb",
      "allowableValues": {
        "valueType": "LIST",
        "_id": "5318a13e480b07a76f3b28cc",
        "values": [
          "lastName",
          "firstName",
          "middleName",
          "suffix",
          "modified",
          "-lastName",
          "-firstName",
          "-middleName",
          "-suffix",

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        "-modified"
      ]
    },
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "limit",
    "description": "Limit the result set to the specified number of resources.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28c9",
    "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13e480b07a76f3b28ca",
      "values": []
    },
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "offset",
    "description": "Skip the specified number of resources in the result set.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28c8",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of creators filtered by a story id."
}
]
},
{
  "path": "/v1/public/stories/{storyId}/events",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getEventsCollection",
      "responseClass": "EventDataWrapper",
      "notes": "Fetches lists of events in which a specific story appears, with optional filters. See notes on individual parameters below.",
      "_id": "5318a13f480b07a76f3b298a",
      "errorResponses": [

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{
  "code": 409,
  "reason": "Limit greater than 100.",
  "_id": "5318a13f480b07a76f3b299e"
},
{
  "code": 409,
  "reason": "Limit invalid or below 1.",
  "_id": "5318a13f480b07a76f3b299d"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized parameter.",
  "_id": "5318a13f480b07a76f3b299c"
},
{
  "code": 409,
  "reason": "Empty parameter.",
  "_id": "5318a13f480b07a76f3b299b"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13f480b07a76f3b299a"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13f480b07a76f3b2999"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13f480b07a76f3b2998"
}
],
"parameters": [
  {
    "name": "storyId",
    "description": "The story ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13f480b07a76f3b2997",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "name",

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    "description": "Filter the event list by name.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2996",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "nameStartsWith",
    "description": "Return events with names that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2995",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only events which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2994",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only events which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2993",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "characters",
    "description": "Return only events which feature the specified characters (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13f480b07a76f3b2992",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "series",
    "description": "Return only events which are part of the specified series (accepts a comma-separated list of

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ids).",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2991",
  "allowMultiple": true,
  "required": false
},
{
  "name": "comics",
  "description": "Return only events which take place in the specified comics (accepts a comma-separated list
of ids).",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b2990",
  "allowMultiple": true,
  "required": false
},
{
  "name": "orderBy",
  "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b298e",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b298f",
    "values": [
      "name",
      "startDate",
      "modified",
      "-name",
      "-startDate",
      "-modified"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b298c",
  "allowableValues": {
    "min": 1,
    "max": 100,

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    "valueType": "RANGE",
    "_id": "5318a13f480b07a76f3b298d",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13f480b07a76f3b298b",
  "allowMultiple": false,
  "required": false
}
],
"summary": "Fetches lists of events filtered by a story id."
}
]
},
{
  "path": "/v1/public/stories/{storyId}/series",
  "description": "",
  "operations": [
    {
      "httpMethod": "GET",
      "nickname": "getStorySeriesCollection",
      "responseClass": "SeriesDataWrapper",
      "notes": "Fetches lists of comic series in which the specified story takes place. See notes on individual
parameters below.",
      "_id": "5318a13e480b07a76f3b28ab",
      "errorResponses": [
        {
          "code": 409,
          "reason": "Limit greater than 100.",
          "_id": "5318a13e480b07a76f3b28c4"
        },
        {
          "code": 409,
          "reason": "Limit invalid or below 1.",
          "_id": "5318a13e480b07a76f3b28c3"
        },
        {
          "code": 409,
          "reason": "Invalid or unrecognized parameter.",
          "_id": "5318a13e480b07a76f3b28c2"
        }
      ],
    }
  ],
}

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{
  "code": 409,
  "reason": "Empty parameter.",
  "_id": "5318a13e480b07a76f3b28c1"
},
{
  "code": 409,
  "reason": "Invalid or unrecognized ordering parameter.",
  "_id": "5318a13e480b07a76f3b28c0"
},
{
  "code": 409,
  "reason": "Too many values sent to a multi-value list filter.",
  "_id": "5318a13e480b07a76f3b28bf"
},
{
  "code": 409,
  "reason": "Invalid value passed to filter.",
  "_id": "5318a13e480b07a76f3b28be"
}
],
"parameters": [
  {
    "name": "storyId",
    "description": "The story ID.",
    "dataType": "int",
    "paramType": "path",
    "_id": "5318a13e480b07a76f3b28bd",
    "allowMultiple": false,
    "required": true
  },
  {
    "name": "events",
    "description": "Return only series which have comics that take place during the specified events (accepts a
comma-separated list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28bc",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "title",
    "description": "Filter by series title.",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28bb",
    "allowMultiple": false,

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    "required": false
  },
  {
    "name": "titleStartsWith",
    "description": "Return series with titles that begin with the specified string (e.g. Sp).",
    "dataType": "string",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28ba",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "startYear",
    "description": "Return only series matching the specified start year.",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28b9",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "modifiedSince",
    "description": "Return only series which have been modified since the specified date.",
    "dataType": "Date",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28b8",
    "allowMultiple": false,
    "required": false
  },
  {
    "name": "comics",
    "description": "Return only series which contain the specified comics (accepts a comma-separated list of
ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28b7",
    "allowMultiple": true,
    "required": false
  },
  {
    "name": "creators",
    "description": "Return only series which feature work by the specified creators (accepts a comma-separated
list of ids).",
    "dataType": "int",
    "paramType": "query",
    "_id": "5318a13e480b07a76f3b28b6",
    "allowMultiple": true,
    "required": false
  }
}

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    },
    {
      "name": "characters",
      "description": "Return only series which feature the specified characters (accepts a comma-separated list of
ids).",
      "dataType": "int",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28b5",
      "allowMultiple": true,
      "required": false
    },
    {
      "name": "seriesType",
      "description": "Filter the series by publication frequency type.",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28b3",
      "allowableValues": {
        "valueType": "LIST",
        "_id": "5318a13e480b07a76f3b28b4",
        "values": [
          "collection",
          "one shot",
          "limited",
          "ongoing"
        ]
      },
      "allowMultiple": false,
      "required": false
    },
    {
      "name": "contains",
      "description": "Return only series containing one or more comics with the specified format.",
      "dataType": "string",
      "paramType": "query",
      "_id": "5318a13e480b07a76f3b28b1",
      "allowableValues": {
        "valueType": "LIST",
        "_id": "5318a13e480b07a76f3b28b2",
        "values": [
          "comic",
          "magazine",
          "trade paperback",
          "hardcover",
          "digest",
          "graphic novel",
          "digital comic",
          "infinite comic"
        ]
      }
    }
  ]
}

```

```

    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "orderBy",
  "description": "Order the result set by a field or fields. Add a \"-\" to the value sort in descending order.
Multiple values are given priority in the order in which they are passed.",
  "dataType": "string",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28af",
  "allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13e480b07a76f3b28b0",
    "values": [
      "title",
      "modified",
      "startYear",
      "-title",
      "-modified",
      "-startYear"
    ]
  },
  "allowMultiple": true,
  "required": false
},
{
  "name": "limit",
  "description": "Limit the result set to the specified number of resources.",
  "dataType": "int",
  "paramType": "query",
  "_id": "5318a13e480b07a76f3b28ad",
  "allowableValues": {
    "min": 1,
    "max": 100,
    "valueType": "RANGE",
    "_id": "5318a13e480b07a76f3b28ae",
    "values": []
  },
  "allowMultiple": false,
  "required": false
},
{
  "name": "offset",
  "description": "Skip the specified number of resources in the result set.",
  "dataType": "int",
  "paramType": "query",

```

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    "_id": "5318a13e480b07a76f3b28ac",
    "allowMultiple": false,
    "required": false
  }
],
"summary": "Fetches lists of series filtered by a story id."
}
]
}
],
"models": {
  "ComicList": {
    "id": "ComicList",
    "properties": {
      "available": {
        "type": "int",
        "description": "The number of total available issues in this list. Will always be greater than or equal to the
returned value."
      },
      "returned": {
        "type": "int",
        "description": "The number of issues returned in this collection (up to 20)."
      },
      "collectionURI": {
        "type": "string",
        "description": "The path to the full list of issues in this collection."
      },
      "items": {
        "type": "Array",
        "description": "The list of returned issues in this collection.",
        "items": {
          "$ref": "ComicSummary"
        }
      }
    }
  },
  "EventList": {
    "id": "EventList",
    "properties": {
      "available": {
        "type": "int",
        "description": "The number of total available events in this list. Will always be greater than or equal to the
returned value."
      },
      "returned": {
        "type": "int",
        "description": "The number of events returned in this collection (up to 20)."
      },
    }
  },

```



```

"collectionURI": {
  "type": "string",
  "description": "The path to the full list of events in this collection."
},
"items": {
  "type": "Array",
  "description": "The list of returned events in this collection.",
  "items": {
    "$ref": "EventSummary"
  }
}
},
"CreatorList": {
  "id": "CreatorList",
  "properties": {
    "available": {
      "type": "int",
      "description": "The number of total available creators in this list. Will always be greater than or equal to the
\returned\ value."
    },
    "returned": {
      "type": "int",
      "description": "The number of creators returned in this collection (up to 20)."
    },
    "collectionURI": {
      "type": "string",
      "description": "The path to the full list of creators in this collection."
    },
    "items": {
      "type": "Array",
      "description": "The list of returned creators in this collection.",
      "items": {
        "$ref": "CreatorSummary"
      }
    }
  }
},
"CharacterList": {
  "id": "CharacterList",
  "properties": {
    "available": {
      "type": "int",
      "description": "The number of total available characters in this list. Will always be greater than or equal to the
\returned\ value."
    },
    "returned": {
      "type": "int",

```

```

    "description": "The number of characters returned in this collection (up to 20).",
  },
  "collectionURI": {
    "type": "string",
    "description": "The path to the full list of characters in this collection."
  },
  "items": {
    "type": "Array",
    "description": "The list of returned characters in this collection.",
    "items": {
      "$ref": "CharacterSummary"
    }
  }
},
"SeriesList": {
  "id": "SeriesList",
  "properties": {
    "available": {
      "type": "int",
      "description": "The number of total available series in this list. Will always be greater than or equal to the
returned value."
    }
  },
  "returned": {
    "type": "int",
    "description": "The number of series returned in this collection (up to 20).",
  },
  "collectionURI": {
    "type": "string",
    "description": "The path to the full list of series in this collection."
  },
  "items": {
    "type": "Array",
    "description": "The list of returned series in this collection.",
    "items": {
      "$ref": "SeriesSummary"
    }
  }
},
"StoryList": {
  "id": "StoryList",
  "properties": {
    "available": {
      "type": "int",
      "description": "The number of total available stories in this list. Will always be greater than or equal to the
returned value."
    }
  },

```

```

"returned": {
  "type": "int",
  "description": "The number of stories returned in this collection (up to 20).",
},
"collectionURI": {
  "type": "string",
  "description": "The path to the full list of stories in this collection.",
},
"items": {
  "type": "Array",
  "description": "The list of returned stories in this collection.",
  "items": {
    "$ref": "StorySummary"
  }
}
},
"CharacterSummary": {
  "id": "CharacterSummary",
  "properties": {
    "resourceURI": {
      "type": "string",
      "description": "The path to the individual character resource."
    },
    "name": {
      "type": "string",
      "description": "The full name of the character."
    },
    "role": {
      "type": "string",
      "description": "The role of the creator in the parent entity."
    }
  }
},
"EventSummary": {
  "id": "EventSummary",
  "properties": {
    "resourceURI": {
      "type": "string",
      "description": "The path to the individual event resource."
    },
    "name": {
      "type": "string",
      "description": "The name of the event."
    }
  }
},
"SeriesSummary": {

```

```

"id": "SeriesSummary",
"properties": {
  "resourceURI": {
    "type": "string",
    "description": "The path to the individual series resource."
  },
  "name": {
    "type": "string",
    "description": "The canonical name of the series."
  }
},
"ComicSummary": {
  "id": "ComicSummary",
  "properties": {
    "resourceURI": {
      "type": "string",
      "description": "The path to the individual comic resource."
    },
    "name": {
      "type": "string",
      "description": "The canonical name of the comic."
    }
  },
  "url": {
    "id": "url",
    "properties": {
      "type": {
        "type": "string",
        "description": "A text identifier for the URL."
      },
      "url": {
        "type": "string",
        "description": "A full URL (including scheme, domain, and path)."
      }
    }
  },
  "CreatorSummary": {
    "id": "CreatorSummary",
    "properties": {
      "resourceURI": {
        "type": "string",
        "description": "The path to the individual creator resource."
      },
      "name": {
        "type": "string",
        "description": "The full name of the creator."
      }
    }
  }
}

```

```

    },
    "role": {
      "type": "string",
      "description": "The role of the creator in the parent entity."
    }
  }
},
"StorySummary": {
  "id": "StorySummary",
  "properties": {
    "resourceURI": {
      "type": "string",
      "description": "The path to the individual story resource."
    },
    "name": {
      "type": "string",
      "description": "The canonical name of the story."
    },
    "type": {
      "type": "string",
      "description": "The type of the story (interior or cover)."
    }
  }
},
"Image": {
  "id": "Image",
  "properties": {
    "path": {
      "type": "string",
      "description": "The directory path of to the image."
    },
    "extension": {
      "type": "string",
      "description": "The file extension for the image."
    }
  }
},
"ComicDate": {
  "id": "ComicDate",
  "properties": {
    "type": {
      "type": "string",
      "description": "A description of the date (e.g. onsale date, FOC date)."
    },
    "date": {
      "type": "Date",
      "description": "The date."
    }
  }
}

```

```

    }
  },
  "CharacterDataContainer": {
    "id": "CharacterDataContainer",
    "properties": {
      "offset": {
        "type": "int",
        "description": "The requested offset (number of skipped results) of the call."
      },
      "limit": {
        "type": "int",
        "description": "The requested result limit."
      },
      "total": {
        "type": "int",
        "description": "The total number of resources available given the current filter set."
      },
      "count": {
        "type": "int",
        "description": "The total number of results returned by this call."
      },
      "results": {
        "type": "Array",
        "description": "The list of characters returned by the call.",
        "items": {
          "$ref": "Character"
        }
      }
    }
  },
  "EventDataContainer": {
    "id": "EventDataContainer",
    "properties": {
      "offset": {
        "type": "int",
        "description": "The requested offset (number of skipped results) of the call."
      },
      "limit": {
        "type": "int",
        "description": "The requested result limit."
      },
      "total": {
        "type": "int",
        "description": "The total number of resources available given the current filter set."
      },
      "count": {
        "type": "int",
        "description": "The total number of results returned by this call."
      }
    }
  }
}

```

```

    },
    "results": {
      "type": "Array",
      "description": "The list of events returned by the call",
      "items": {
        "$ref": "Event"
      }
    }
  },
  "ComicPrice": {
    "id": "ComicPrice",
    "properties": {
      "type": {
        "type": "string",
        "description": "A description of the price (e.g. print price, digital price)."
      },
      "price": {
        "type": "float",
        "description": "The price (all prices in USD)."
      }
    }
  },
  "EventDataWrapper": {
    "id": "EventDataWrapper",
    "properties": {
      "code": {
        "type": "int",
        "description": "The HTTP status code of the returned result."
      },
      "status": {
        "type": "string",
        "description": "A string description of the call status."
      },
      "copyright": {
        "type": "string",
        "description": "The copyright notice for the returned result."
      },
      "attributionText": {
        "type": "string",
        "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
      },
      "attributionHTML": {
        "type": "string",
        "description": "An HTML representation of the attribution notice for this result. Please display either this notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."
      }
    }
  },

```

```

"data": {
  "type": "EventDataContainer",
  "description": "The results returned by the call."
},
"etag": {
  "type": "string",
  "description": "A digest value of the content returned by the call."
}
},
"Creator": {
  "id": "Creator",
  "properties": {
    "id": {
      "type": "int",
      "description": "The unique ID of the creator resource."
    },
    "firstName": {
      "type": "string",
      "description": "The first name of the creator."
    },
    "middleName": {
      "type": "string",
      "description": "The middle name of the creator."
    },
    "lastName": {
      "type": "string",
      "description": "The last name of the creator."
    },
    "suffix": {
      "type": "string",
      "description": "The suffix or honorific for the creator."
    },
    "fullName": {
      "type": "string",
      "description": "The full name of the creator (a space-separated concatenation of the above four fields)."
    },
    "modified": {
      "type": "Date",
      "description": "The date the resource was most recently modified."
    },
    "resourceURI": {
      "type": "string",
      "description": "The canonical URL identifier for this resource."
    },
    "urls": {
      "type": "Array",
      "description": "A set of public web site URLs for the resource."
    }
  }
}

```



```

    "items": {
      "$ref": "Url"
    },
    "thumbnail": {
      "type": "Image",
      "description": "The representative image for this creator."
    },
    "series": {
      "type": "SeriesList",
      "description": "A resource list containing the series which feature work by this creator."
    },
    "stories": {
      "type": "StoryList",
      "description": "A resource list containing the stories which feature work by this creator."
    },
    "comics": {
      "type": "ComicList",
      "description": "A resource list containing the comics which feature work by this creator."
    },
    "events": {
      "type": "EventList",
      "description": "A resource list containing the events which feature work by this creator."
    }
  },
  "Event": {
    "id": "Event",
    "properties": {
      "id": {
        "type": "int",
        "description": "The unique ID of the event resource."
      },
      "title": {
        "type": "string",
        "description": "The title of the event."
      },
      "description": {
        "type": "string",
        "description": "A description of the event."
      },
      "resourceURI": {
        "type": "string",
        "description": "The canonical URL identifier for this resource."
      },
      "urls": {
        "type": "Array",
        "description": "A set of public web site URLs for the event."
      }
    }
  }
}

```

```

    "items": {
      "$ref": "Url"
    },
    "modified": {
      "type": "Date",
      "description": "The date the resource was most recently modified."
    },
    "start": {
      "type": "Date",
      "description": "The date of publication of the first issue in this event."
    },
    "end": {
      "type": "Date",
      "description": "The date of publication of the last issue in this event."
    },
    "thumbnail": {
      "type": "Image",
      "description": "The representative image for this event."
    },
    "comics": {
      "type": "ComicList",
      "description": "A resource list containing the comics in this event."
    },
    "stories": {
      "type": "StoryList",
      "description": "A resource list containing the stories in this event."
    },
    "series": {
      "type": "SeriesList",
      "description": "A resource list containing the series in this event."
    },
    "characters": {
      "type": "CharacterList",
      "description": "A resource list containing the characters which appear in this event."
    },
    "creators": {
      "type": "CreatorList",
      "description": "A resource list containing creators whose work appears in this event."
    },
    "next": {
      "type": "EventSummary",
      "description": "A summary representation of the event which follows this event."
    },
    "previous": {
      "type": "EventSummary",
      "description": "A summary representation of the event which preceded this event."
    }
  }

```

```

    }
  },
  "ComicDataContainer": {
    "id": "ComicDataContainer",
    "properties": {
      "offset": {
        "type": "int",
        "description": "The requested offset (number of skipped results) of the call."
      },
      "limit": {
        "type": "int",
        "description": "The requested result limit."
      },
      "total": {
        "type": "int",
        "description": "The total number of resources available given the current filter set."
      },
      "count": {
        "type": "int",
        "description": "The total number of results returned by this call."
      },
      "results": {
        "type": "Array",
        "description": "The list of comics returned by the call",
        "items": {
          "$ref": "Comic"
        }
      }
    }
  },
  "TextObject": {
    "id": "TextObject",
    "properties": {
      "type": {
        "type": "string",
        "description": "The canonical type of the text object (e.g. solicit text, preview text, etc.)."
      },
      "language": {
        "type": "string",
        "description": "The IETF language tag denoting the language the text object is written in."
      },
      "text": {
        "type": "string",
        "description": "The text."
      }
    }
  },
  "CreatorDataWrapper": {

```

```

"id": "CreatorDataWrapper",
"properties": {
  "code": {
    "type": "int",
    "description": "The HTTP status code of the returned result."
  },
  "status": {
    "type": "string",
    "description": "A string description of the call status."
  },
  "copyright": {
    "type": "string",
    "description": "The copyright notice for the returned result."
  },
  "attributionText": {
    "type": "string",
    "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
  },
  "attributionHTML": {
    "type": "string",
    "description": "An HTML representation of the attribution notice for this result. Please display either this notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."
  },
  "data": {
    "type": "CreatorDataContainer",
    "description": "The results returned by the call."
  },
  "etag": {
    "type": "string",
    "description": "A digest value of the content returned by the call."
  }
}
},
"StoryDataWrapper": {
  "id": "StoryDataWrapper",
  "properties": {
    "code": {
      "type": "int",
      "description": "The HTTP status code of the returned result."
    },
    "status": {
      "type": "string",
      "description": "A string description of the call status."
    },
    "copyright": {
      "type": "string",
      "description": "The copyright notice for the returned result."
    }
  }
}

```

```

    },
    "attributionText": {
      "type": "string",
      "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
    },
    "attributionHTML": {
      "type": "string",
      "description": "An HTML representation of the attribution notice for this result. Please display either this notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."
    },
    "data": {
      "type": "StoryDataContainer",
      "description": "The results returned by the call."
    },
    "etag": {
      "type": "string",
      "description": "A digest value of the content returned by the call."
    }
  }
},
"Character": {
  "id": "Character",
  "properties": {
    "id": {
      "type": "int",
      "description": "The unique ID of the character resource."
    },
    "name": {
      "type": "string",
      "description": "The name of the character."
    },
    "description": {
      "type": "string",
      "description": "A short bio or description of the character."
    },
    "modified": {
      "type": "Date",
      "description": "The date the resource was most recently modified."
    },
    "resourceURI": {
      "type": "string",
      "description": "The canonical URL identifier for this resource."
    },
    "urls": {
      "type": "Array",
      "description": "A set of public web site URLs for the resource.",
      "items": {

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```

    "$ref": "Url"
  }
},
"thumbnail": {
  "type": "Image",
  "description": "The representative image for this character."
},
"comics": {
  "type": "ComicList",
  "description": "A resource list containing comics which feature this character."
},
"stories": {
  "type": "StoryList",
  "description": "A resource list of stories in which this character appears."
},
"events": {
  "type": "EventList",
  "description": "A resource list of events in which this character appears."
},
"series": {
  "type": "SeriesList",
  "description": "A resource list of series in which this character appears."
}
}
},
"CharacterDataWrapper": {
  "id": "CharacterDataWrapper",
  "properties": {
    "code": {
      "type": "int",
      "description": "The HTTP status code of the returned result."
    },
    "status": {
      "type": "string",
      "description": "A string description of the call status."
    },
    "copyright": {
      "type": "string",
      "description": "The copyright notice for the returned result."
    },
    "attributionText": {
      "type": "string",
      "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
    },
    "attributionHTML": {
      "type": "string",
      "description": "An HTML representation of the attribution notice for this result. Please display either this

```

notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."

```
    },
    "data": {
      "type": "CharacterDataContainer",
      "description": "The results returned by the call."
    },
    "etag": {
      "type": "string",
      "description": "A digest value of the content returned by the call."
    }
  }
},
"ComicDataWrapper": {
  "id": "ComicDataWrapper",
  "properties": {
    "code": {
      "type": "int",
      "description": "The HTTP status code of the returned result."
    },
    "status": {
      "type": "string",
      "description": "A string description of the call status."
    },
    "copyright": {
      "type": "string",
      "description": "The copyright notice for the returned result."
    },
    "attributionText": {
      "type": "string",
      "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
    },
    "attributionHTML": {
      "type": "string",
      "description": "An HTML representation of the attribution notice for this result. Please display either this notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."
    }
  },
  "data": {
    "type": "ComicDataContainer",
    "description": "The results returned by the call."
  },
  "etag": {
    "type": "string",
    "description": "A digest value of the content returned by the call."
  }
}
},
"Series": {
```

```
"id": "Series",
"properties": {
  "id": {
    "type": "int",
    "description": "The unique ID of the series resource."
  },
  "title": {
    "type": "string",
    "description": "The canonical title of the series."
  },
  "description": {
    "type": "string",
    "description": "A description of the series."
  },
  "resourceURI": {
    "type": "string",
    "description": "The canonical URL identifier for this resource."
  },
  "urls": {
    "type": "Array",
    "description": "A set of public web site URLs for the resource.",
    "items": {
      "$ref": "Url"
    }
  },
  "startYear": {
    "type": "int",
    "description": "The first year of publication for the series."
  },
  "endYear": {
    "type": "int",
    "description": "The last year of publication for the series (conventionally, 2099 for ongoing series) ."
  },
  "rating": {
    "type": "string",
    "description": "The age-appropriateness rating for the series."
  },
  "modified": {
    "type": "Date",
    "description": "The date the resource was most recently modified."
  },
  "thumbnail": {
    "type": "Image",
    "description": "The representative image for this series."
  },
  "comics": {
    "type": "ComicList",
    "description": "A resource list containing comics in this series."
  }
}
```



```

    },
    "stories": {
      "type": "StoryList",
      "description": "A resource list containing stories which occur in comics in this series."
    },
    "events": {
      "type": "EventList",
      "description": "A resource list containing events which take place in comics in this series."
    },
    "characters": {
      "type": "CharacterList",
      "description": "A resource list containing characters which appear in comics in this series."
    },
    "creators": {
      "type": "CreatorList",
      "description": "A resource list of creators whose work appears in comics in this series."
    },
    "next": {
      "type": "SeriesSummary",
      "description": "A summary representation of the series which follows this series."
    },
    "previous": {
      "type": "SeriesSummary",
      "description": "A summary representation of the series which preceded this series."
    }
  }
},
"SeriesDataWrapper": {
  "id": "SeriesDataWrapper",
  "properties": {
    "code": {
      "type": "int",
      "description": "The HTTP status code of the returned result."
    },
    "status": {
      "type": "string",
      "description": "A string description of the call status."
    },
    "copyright": {
      "type": "string",
      "description": "The copyright notice for the returned result."
    },
    "attributionText": {
      "type": "string",
      "description": "The attribution notice for this result. Please display either this notice or the contents of the attributionHTML field on all screens which contain data from the Marvel Comics API."
    },
    "attributionHTML": {

```

```

    "type": "string",
    "description": "An HTML representation of the attribution notice for this result. Please display either this
notice or the contents of the attributionText field on all screens which contain data from the Marvel Comics API."
  },
  "data": {
    "type": "SeriesDataContainer",
    "description": "The results returned by the call."
  },
  "etag": {
    "type": "string",
    "description": "A digest value of the content returned by the call."
  }
}
},
"SeriesDataContainer": {
  "id": "SeriesDataContainer",
  "properties": {
    "offset": {
      "type": "int",
      "description": "The requested offset (number of skipped results) of the call."
    },
    "limit": {
      "type": "int",
      "description": "The requested result limit."
    },
    "total": {
      "type": "int",
      "description": "The total number of resources available given the current filter set."
    },
    "count": {
      "type": "int",
      "description": "The total number of results returned by this call."
    },
    "results": {
      "type": "Array",
      "description": "The list of series returned by the call",
      "items": {
        "$ref": "Series"
      }
    }
  }
}
},
"StoryDataContainer": {
  "id": "StoryDataContainer",
  "properties": {
    "offset": {
      "type": "int",
      "description": "The requested offset (number of skipped results) of the call."
    }
  }
}
}

```

```

    },
    "limit": {
      "type": "int",
      "description": "The requested result limit."
    },
    "total": {
      "type": "int",
      "description": "The total number of resources available given the current filter set."
    },
    "count": {
      "type": "int",
      "description": "The total number of results returned by this call."
    },
    "results": {
      "type": "Array",
      "description": "The list of stories returned by the call",
      "items": {
        "$ref": "Story"
      }
    }
  },
  "Comic": {
    "id": "Comic",
    "properties": {
      "id": {
        "type": "int",
        "description": "The unique ID of the comic resource."
      },
      "digitalId": {
        "type": "int",
        "description": "The ID of the digital comic representation of this comic. Will be 0 if the comic is not available
digitally."
      },
      "title": {
        "type": "string",
        "description": "The canonical title of the comic."
      },
      "issueNumber": {
        "type": "double",
        "description": "The number of the issue in the series (will generally be 0 for collection formats)."
      },
      "variantDescription": {
        "type": "string",
        "description": "If the issue is a variant (e.g. an alternate cover, second printing, or directors cut), a text
description of the variant."
      },
      "description": {

```

```

    "type": "string",
    "description": "The preferred description of the comic."
  },
  "modified": {
    "type": "Date",
    "description": "The date the resource was most recently modified."
  },
  "isbn": {
    "type": "string",
    "description": "The ISBN for the comic (generally only populated for collection formats)."
  },
  "upc": {
    "type": "string",
    "description": "The UPC barcode number for the comic (generally only populated for periodical formats)."
  },
  "diamondCode": {
    "type": "string",
    "description": "The Diamond code for the comic."
  },
  "ean": {
    "type": "string",
    "description": "The EAN barcode for the comic."
  },
  "issn": {
    "type": "string",
    "description": "The ISSN barcode for the comic."
  },
  "format": {
    "type": "string",
    "description": "The publication format of the comic e.g. comic, hardcover, trade paperback."
  },
  "pageCount": {
    "type": "int",
    "description": "The number of story pages in the comic."
  },
  "textObjects": {
    "type": "Array",
    "description": "A set of descriptive text blurbs for the comic.",
    "items": {
      "$ref": "TextObject"
    }
  },
  "resourceURI": {
    "type": "string",
    "description": "The canonical URL identifier for this resource."
  },
  "urls": {
    "type": "Array",

```

```

"description": "A set of public web site URLs for the resource.",
"items": {
  "$ref": "Url"
},
"series": {
  "type": "SeriesSummary",
  "description": "A summary representation of the series to which this comic belongs."
},
"variants": {
  "type": "Array",
  "description": "A list of variant issues for this comic (includes the \"original\" issue if the current issue is a
variant).",
  "items": {
    "$ref": "ComicSummary"
  }
},
"collections": {
  "type": "Array",
  "description": "A list of collections which include this comic (will generally be empty if the comic's format is a
collection).",
  "items": {
    "$ref": "ComicSummary"
  }
},
"collectedIssues": {
  "type": "Array",
  "description": "A list of issues collected in this comic (will generally be empty for periodical formats such as
\"comic\" or \"magazine\").",
  "items": {
    "$ref": "ComicSummary"
  }
},
"dates": {
  "type": "Array",
  "description": "A list of key dates for this comic.",
  "items": {
    "$ref": "ComicDate"
  }
},
"prices": {
  "type": "Array",
  "description": "A list of prices for this comic.",
  "items": {
    "$ref": "ComicPrice"
  }
},
"thumbnail": {

```

```

    "type": "Image",
    "description": "The representative image for this comic."
  },
  "images": {
    "type": "Array",
    "description": "A list of promotional images associated with this comic.",
    "items": {
      "$ref": "Image"
    }
  },
  "creators": {
    "type": "CreatorList",
    "description": "A resource list containing the creators associated with this comic."
  },
  "characters": {
    "type": "CharacterList",
    "description": "A resource list containing the characters which appear in this comic."
  },
  "stories": {
    "type": "StoryList",
    "description": "A resource list containing the stories which appear in this comic."
  },
  "events": {
    "type": "EventList",
    "description": "A resource list containing the events in which this comic appears."
  }
}
},
"CreatorDataContainer": {
  "id": "CreatorDataContainer",
  "properties": {
    "offset": {
      "type": "int",
      "description": "The requested offset (number of skipped results) of the call."
    },
    "limit": {
      "type": "int",
      "description": "The requested result limit."
    },
    "total": {
      "type": "int",
      "description": "The total number of resources available given the current filter set."
    },
    "count": {
      "type": "int",
      "description": "The total number of results returned by this call."
    },
    "results": {

```

```

    "type": "Array",
    "description": "The list of creators returned by the call.",
    "items": {
      "$ref": "Creator"
    }
  },
  "Story": {
    "id": "Story",
    "properties": {
      "id": {
        "type": "int",
        "description": "The unique ID of the story resource."
      },
      "title": {
        "type": "string",
        "description": "The story title."
      },
      "description": {
        "type": "string",
        "description": "A short description of the story."
      },
      "resourceURI": {
        "type": "string",
        "description": "The canonical URL identifier for this resource. "
      },
      "type": {
        "type": "string",
        "description": "The story type e.g. interior story, cover, text story."
      },
      "modified": {
        "type": "Date",
        "description": "The date the resource was most recently modified."
      },
      "thumbnail": {
        "type": "Image",
        "description": "The representative image for this story."
      },
      "comics": {
        "type": "ComicList",
        "description": "A resource list containing comics in which this story takes place."
      },
      "series": {
        "type": "SeriesList",
        "description": "A resource list containing series in which this story appears."
      },
      "events": {

```

```

    "type": "EventList",
    "description": "A resource list of the events in which this story appears."
  },
  "characters": {
    "type": "CharacterList",
    "description": "A resource list of characters which appear in this story."
  },
  "creators": {
    "type": "CreatorList",
    "description": "A resource list of creators who worked on this story."
  },
  "originalissue": {
    "type": "ComicSummary",
    "description": "A summary representation of the issue in which this story was originally published."
  }
}
}
}
}
}

```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1010774122_1593175425.02/0/swagger-compat-spec-parser-1-0-44-sources-jar/samples/v1.0/marvel.json
```

1.37 joda-time 2.9.7

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1.38 xerces-j 2.12.1

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1.39 vertx-auth-jwt 3.7.1

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1.40 alpine-baselayout 3.2.0-r8

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1.41 vertx-service-discovery 3.7.1

1.42 openssl 1.1.1g-r0

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1.44 ignite-slf4j 2.7.5

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```
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// -----
```

```
=====
```

For SLF4J API Module (<http://www.slf4j.org>) org.slf4j:slf4j-api:jar:1.7.7

```
=====
```

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=====
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1.45 swagger-parser 1.0.44

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1.46 mvel2 2.3.1.Final

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```
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jar/org/mvel2/optimizers/impl/refl/nodes/ConstructorAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/nodes/BaseAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/nodes/DynamicFieldAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/collection/ArrayCreator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/nodes/FieldAccessorNH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/collection/ExprValueAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/nodes/MapAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/collection/MapCreator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/nodes/MapAccessorNest.java
```

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/GetterAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ArrayLength.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/DynamicFunctionAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/collection/ListCreator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ArrayAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/DynamicSetterAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/GetterAccessorNH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/StaticReferenceAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/MethodAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/StaticVarAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/MethodAccessorNH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ThisValueAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/IndexedVariableAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/IndexedCharSeqAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ArrayAccessorNest.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/FieldAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ListAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/ListAccessorNest.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/FunctionAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/VariableAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/Union.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/IndexedCharSeqAccessorNest.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/nodes/StaticVarAccessorNH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/optimizers/impl/refl/collection/MDArrayCreator.java

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jar/org/mvel2/asm/TypePath.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/TypeReference.java
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*/
/**
 * Constructs a new {@link Textifier}. Subclasses must not use this
 * constructor. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
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 */

```

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```

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/util/Textifier.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/xml/package.html

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*/

/**

* Creates a new {@link GeneratorAdapter}. *Subclasses must not use this
* constructor*. Instead, they must use the
* {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.
*
* @param mv
* the method visitor to which this adapter delegates calls.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type Type}).
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/commons/GeneratorAdapter.java

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* Mike Brock, Dhanji Prasanna, John Graham, Mark Proctor

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/ConversionHandler.java

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/DataTypes.java

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/ErrorDetail.java

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*/

/**

* Constructs a new {@link ClassNode}. *<i>*Subclasses must not use this
* constructor*</i>*. Instead, they must use the {@link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/ClassNode.java

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/DeclTypedVarNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/StringCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/util/ArrayIterator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateDebug.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedPreFixDecNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledIfNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/WithNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/asm/ASMAccessorOptimizer.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedDeclTypedVarNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Contains.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/ResolverTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/WhileNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/InternalNumber.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/PreProcessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/PropertyHandlerFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/LongCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/StaticImportNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicSetAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/StaticMethodImportResolver.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateRuntime.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/OptimizationFailure.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Or.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/OptimizerHook.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/BasicCommandSet.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/conversion/CharCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/MVELInterpretedRuntime.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/file/PrintWorkingDirectory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/CompilerTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledExpressionNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/FloatCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/Command.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/EndOfStatement.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/BlockNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedOperativeAssign.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/ObjectInspector.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/DataConversion.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/OperatorNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/IfNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicOptimizer.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ForEachNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ArrayTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicGetAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/DefaultLocalVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateError.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/UntilNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/ExecutableStatement.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/MapVariableResolver.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/CommandSet.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/RegExMatchNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/DeepAssignmentNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/TypeDescriptor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/BaseVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/LineLabel.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/OptimizerFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ProtoVarNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ParserConfiguration.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicCollectionAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/TypeCast.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Negation.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/ExecutableAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/Unit.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/CharArrayCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/RegExMatch.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Union.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/PreFixIncNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/Interceptor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ASTNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateCompiler.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/ObjectCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/ExecutableLiteral.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateRegistry.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/NestedStatement.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/AccessorNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/StringAppender.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/ItemResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/DoubleCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/OptimizationNotSupported.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Substatement.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/JITClassLoader.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/TerminalExpressionNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/MVELRuntime.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/ArrayHandler.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CommentNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/PrimIntArrayCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/Set.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/PropertyVerifier.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/file/FileCommandSet.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/Node.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/VariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/StackElement.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/MacroProcessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/PostFixIncNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/EvalNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/IntArrayCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/Assignment.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/Help.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/CompileException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/Soundex.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/DefaultEnvironment.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/FunctionVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/LiteralNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/MethodStub.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/MVELClassLoader.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ParseTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/BinaryOperation.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/file/ChangeWorkingDir.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/debug/DebuggerContext.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/Main.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/OperativeAssign.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/AccessorOptimizer.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/DeclareNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/Stack.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/Converter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/NamedIncludeNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/BlankLiteral.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/text/TextUtil.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Fold.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/ClassImportResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/IndexedPostFixDecNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledForEachNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/StaticMethodImportResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ReflectionUtil.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/TextNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/DoUntilNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/FastList.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/Exit.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CodeNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/StringArrayCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IfNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/PropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/LocalVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/math/MathProcessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ImportNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/ExecutableAccessorSafe.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/Operator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/ForEachNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/EndWithValue.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ASTLinkedList.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ExecutionStack.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/NewObjectNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledEvalNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ImmutableElementException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledIncludeNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/AbstractOptimizer.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/And.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/util/TemplateTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedAssignmentNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IsDef.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/BigIntegerCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ThisWithNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/InlineCollectionNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/EndNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledCodeNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/AbstractParser.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/CompiledAccExpression.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/CommandException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/debug/DebugTools.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/ShellSession.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/TypeInjectionResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/PostFixDecNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/PropertyHandler.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ReturnNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/ExpressionCompiler.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/DoNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/debug/Frame.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/InterceptorWrapper.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/dynamic/DynamicClassLoader.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/IntegerCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/file/DirList.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/PushContext.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedPreFixIncNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ASTIterator.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/IndexedPostFixIncNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/PropertyAccessException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/MapVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/CompiledTemplate.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/debug/Debugger.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/UnitConversion.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/TerminalNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/ImmutableDefaultFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/asm/ProducesBytecode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/CollectionParser.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/PreFixDecNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/BigDecimalCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/ListCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/DeclProtoVarNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/CachingMapVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateSyntaxError.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/util/ThisLiteral.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/ast/AssignmentNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/AssertNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ArraySize.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Invert.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Function.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/SetCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/Safe.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/compiler/Accessor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/sh/command/basic/ShowVars.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/Macro.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledDeclareNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/CompiledTerminalExpressionNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/IncludeNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/ForNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/SimpleSTValueResolver.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/IndexedVariableResolverFactory.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ParserContext.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/LiteralDeepPropertyNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/res/ExpressionNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/BooleanCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/VariableResolver.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ConversionException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/UnresolveablePropertyException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/ast/TypedVarNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/integration/impl/TypeInjectionResolverFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/conversion/ByteCH.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/templates/TemplateRuntimeError.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/optimizers/impl/refl/ReflectiveAccessorOptimizer.java
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* THE POSSIBILITY OF SUCH DAMAGE.
*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *     a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 *     the path to the annotated type argument, wildcard bound, array
 *     element type, or static inner type within 'typeRef'. May be
 *     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *     the first instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (inclusive).
 * @param end
 *     the last instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (exclusive). This
 *     array must have the same size as the 'start' array.
 * @param index
 *     the local variable's index in each range. This array must have
 *     the same size as the 'start' array.
 * @param desc
 *     the class descriptor of the annotation class.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/LocalVariableAnnotationNode.java

```

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jar/org/mvel2/asm/util/ASMifiable.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/util/Textifiable.java

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jar/org/mvel2/MVEL.java

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- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/package.html
- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/attrs/package.html
- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/tree/analysis/package.html
- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/tree/package.html
- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/signature/package.html
- * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-jar/org/mvel2/asm/util/package.html

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 jar/org/mvel2/asm/FieldWriter.java
 * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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 * /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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jar/org/mvel2/asm/tree/analysis/BasicInterpreter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/util/CheckMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/Method.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/RemappingSignatureAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/util/TraceSignatureVisitor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/analysis/AnalyzerException.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/LocalVariableNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/util/CheckAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/SerialVersionUIDAdder.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/RemappingMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/MethodInsnNode.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/analysis/Value.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/FieldVisitor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/Remapper.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-

jar/org/mvel2/asm/util/CheckFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/analysis/SourceInterpreter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/ByteVector.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/SimpleRemapper.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/tree/analysis/Frame.java
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jar/org/mvel2/asm/xml/SAXClassAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/Processor.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/SAXAdapter.java


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* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/SAXAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/SAXFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/ASMContentHandler.java
* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/xml/SAXCodeAdapter.java
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```

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```

```
*/
```

```
/**
```

```
* Creates a new { @link AnalyzerAdapter}. Subclasses must not use this
```

```
* constructor. Instead, they must use the
```

```
* { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
```

```
* version.
```

```
*
```

```
* @param owner
```

```
* the owner's class name.
```

```
* @param access
```

```

*      the method's access flags (see { @link Opcodes }).
* @param name
*      the method's name.
* @param desc
*      the method's descriptor (see { @link Type Type }).
* @param mv
*      the method visitor to which this adapter delegates calls. May
*      be <tt>null</tt>.
* @throws IllegalStateException
*      If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/AnalyzerAdapter.java

```

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```

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*

```

```

*/

```

```

/****

```

```

* Creates a new JSRInliner. <i>Subclasses must not use this

```

```

* constructor</i>. Instead, they must use the
* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
*     the <code>MethodVisitor</code> to send the resulting inlined
*     method code to (use <code>null</code> for none).
* @param access
*     the method's access flags (see {@link Opcodes}). This
*     parameter also indicates if the method is synthetic and/or
*     deprecated.
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see {@link Type}).
* @param signature
*     the method's signature. May be <tt>null</tt>.
* @param exceptions
*     the internal names of the method's exception classes (see
*     {@link Type#getInternalName() getInternalName}). May be
*     <tt>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1068448904_1594399742.49/0/mvel2-2-3-1-final-sources-1-
jar/org/mvel2/asm/commons/JSRInlinerAdapter.java

```

1.47 cache-api 1.0.0

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1.48 vertx-ignite 3.7.1

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- Peter Knopp <pknopp@#064mtg.de> - fix for named curve recognition in ECGOST key generation.
- Jakub Gwozdz <gwozdziu@#064rpg.pl> - addition of getTsa() to TimeStampTokenInfo.
- Bartosz Malkowski <bmalkow@#064tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.
- Tal Yacobi <tal.yacobi@#064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].
- Massimiliano Ziccardi <massimiliano.ziccardi@#064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.
- Andrey Pavlenko <andrey.a.pavlenko@#064gmail.com> - security manager patch for PKCS1Encoding property check.
- J Ross Nicoll <jrn@#064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.
- Matthew Stevenson <mavricknz@#064yahoo.com> - patch to construtor for CRMF CertSequence.
- Gabriele Contini <gcontini@#064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.
- Roelof Naude <roelof.naude@#064epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
- Patrick Peck <peck@#064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.
- Michael LeMay <lemaymd@#064lemaymd.com> - identified problem with EAX [#BJA-93].
- Alex Dupre <ale@#064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]
- Michael Schoene <michael@#064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().
- Ion Larrañaga <ilarra@#064s21sec.com> fix to default partial packet generation in BCPGOutputStream.
- Bob Kerns <bob.kerns@#064positscience.com> fix to hashCode for X509CertificateObject.
- Stefan Meyer <stefan.meyer@#064ewe.de> backport for PKIXCertPathValidotor and SMIMESignedMailReviewer.
- Robert J. Moore <Robert.J.Moore@#064allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.
- Rui Hodai <rui@#064po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.
- Emir Bucalovic <emir.bucalovic@#064mail.com> initial implementation of Grain-v1 and Grain-128.
- Torbjorn Svensson <tobbe79@#064gmail.com> initial implementation of Grain-v1 and Grain-128.
- Paul FitzPatrick <bouncycastle_pfitz@#064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.
- Henrik Andersson <k.henrik.andersson@#064gmail.com> addition of UniqueIssuerID to certificate generation.
- Cagdas Cirit <cagdascirit@#064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.

Harakiri <harakiri_23@yahoo.com> datahandler patch for attached parts in SMIME signatures.
Pedro Henriques <pmahenriques@gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.
Lothar Kimminger <job@kimminger.de> verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.
Richard Farr <rfarr.se@gmail.com> initial SRP-6a implementation.
Thomas Castiglione <castiglione@au.ibm.com> patch to encoding for CRMF OptionalValidity.
Elisabetta Romani <eromani@sopei.it> patch for recognising multiple counter signatures.
Robin Lundgren <r737lundgren@gmail.com> CMPCertificate constructor from X509CertificateStructure fix.
Petr Kadlec <mormegil@centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.
Andreas Antener <antener_a@gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.
Harendra Rawat <hsrawat@yahoo.com> fix for BERConstructedOctetString.
Rolf Lindemann <lindemann@trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].
Alex Artamonov <alexart.home@gmail.com> name look up patch for GOST-2001 parameters.
Mike Lyons <mlyons@layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.
Chris Cole <chris_h_cole@yahoo.com> identified a problem handling null passwords when loading a BKS keystore.
Tomas Krivanek <tom@atack.cz> added checking of Sender header to SignedMailValidator.
Michael <emfau@t-online.de> correction of field error in getResponse method in CertRepMessage.
Trevor Perrin <trevor@cryptography.com> addition of constant time equals to avoid possible timing attacks.
Markus Kilås <markus@primekey.se> several enhancements to TimestampResponseGenerator.
Dario Novakovic <darionis@yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.
Michael Smith <msmith@cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.
Andrea Zilio <andrea.zilio@gmail.com> fix for PEM password encryption of private keys.
Alex Birkett <alex@birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].
Wayne Grant <waynedgrant@gmail.com> additional OIDs for PKCS10 and certificate generation support.
Frank Cornelis <info@frankcornelis.be> additional support classes for CAES, enhancements to OCSP classes.
Jan Dittberner <jan@dittberner.info> addHeader patch for SMIME generator.
Bob McGowan <boab.mcgoo@btinternet.com> patch to support different object and mgf digests in PSS signing.
Ivo Matheis <i.matheis@seeburger.de> fix to padding verification in ISO-9796-1.
Marco Sandrini <nessche@gmail.com> patch to add IV to ISO9797Alg3Mac.
Alf Malf <alfilmalf@hotmail.com> removal of unnecessary limit in CMSContentInfoParser.
Alfonso Massa <alfonso.massa@insiel.it> contributions to CMS time stamp classes.
Giacomo Boccardo <gboccardo@unimaticaspa.it> initial work on CMSTimeStampedDataParser.

- Arnis Tartu <arnis@ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.
- Janusz Sikocinski <J.Sikocinski@gdzie.pl> addition of Features subpacket support to OpenPGP API.
- Juri Hudolejev <jhudolejev@gmail.com> JavaDoc fix to CMSSignedDataParser.
- Liane Velten <liane.velten@hjp-consulting.com> fine tuning of code for DHParameters validation.
- Shawn Willden <swillden@google.com> additional functionality to PGPKeyRing.
- Atanas Krachev <akrachev@gmail.com> added support for revocation signatures in OpenPGP.
- Mickael Laiking <mickael.laiking@keynectis.com> initial cut of EAC classes.
- Tim Buktu <tbuktu@hotmail.com> Initial implementation of NTRU signing and encryption.
- Bernd <rbernd@gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.
- Steing Inge Morisbak <stein.inge.morisbak@BEKK.no> Test code for lower case Hex data in PEM headers.
- Andreas Schmid <andreas.schmid@tngtech.com> Additional expiry time check in PGPPublicKeys.
- Phil Steitz <phil.steitz@gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.
- Ignat Korchagin <ignat.korchagin@gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.
- Petar Petrov <p.petrov@bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.
- Daniel Fitzpatrick <daniel.f.nwr@gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.
- Andy Neilson <Andy.Neilson@quest.com>a further patches to deal with multiple providers and PEMReader.
- Ted Shaw <xiao.xj@gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.
- Eleriseth <Eleriseth@WPECGLtYbVi8Rl6Y7Vz12Lvd2EUUVW99v3yNV3IWROG8.fms> speed up for SIC/CTR mode. Provider compatibilty generalisations for EC operations.
- Kenny Root <kenny@the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.
- Maarten Bodewes <maarten.bodewes@gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.
- Philip Clay <pilf_b@yahoo.com> Initial implementation of J-PAKE.
- Brian Carlstrom <bdc@carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.
- Samuel Lidén Borell <samuel@primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder
- Sergio Demian Lerner <sergiolerner@certimix.com> pointing out isInfinity issue in ECDSASigner signature verification.
- Tim Whittington <Tim.Whittington@orionhealth.com> patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes,

cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad@primekey.se>; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin@xrm.ru>; patch for override of TSP SignerInfo attributes.

Sergey Tiunov <t5555d@gmail.com>; initial cut of DVCS classes.

Damian Kolasa <fatfredyy@gmail.com>; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes@blueyonder.co.uk>; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev@daniel-hirscher.de>; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci <daniele.athome@gmail.com>; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio@methics.fi>; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi <bnajafi@akamai.com>; fixes to OpenPGP NotationData to prevent truncation problems.

Eric Mueller <eric.mueller@sage.de>; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts <Mathias.Herberts@gmail.com>; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov <daniil.ivanov@gmail.com>; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso <daniele.grasso86@gmail.com>; contributions to final Key calculation code for SRP6.

Andrey Utkin <cindrhc@gmail.com>; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu <arnis@ut.ee>; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB <axel-vdb@riseup.net>; initial implementation of Shacal2.

Roberto Tyley <>; further work on completing gradle build.

Waldemar Dick <wdick@devmue.de>; code improvement in x500 ASN.1 package.

Sid Steward <sid.steward@pdflabs.com>; code improvements to ASN1Boolean.

Alex Klyubin <klyubin@google.com>; AlgorithmParameters check for EC key agreement.

Jonathan Gillett <gsoc.student@gmail.com>; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter <andreas.reiter@iaik.tugraz.at>; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller <kieran.miller@gmail.com>; initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli <ehli@arago.de>; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt <Daniel.Heldt@cryptovision.com>; Initial support for encodable state message digests

Robert Bushman <bouncycastle@traxel.com>; Clean up of DirectKeySignature example.

Maurice Aarts <aarts@risecure.com>; updated to KDF generator to follow NIST SP 800-108.

- Franziskus Kiefer<https://github.com/franziskuskiefer>; initial implementation of Cramer-Shoup.
- KB Sriram<mailto:mail_kb@yahoo.com>; testing for odd encodings for PGP User Attribute Subpackets.
- Marco Schulze<mailto:marco@nightlabs.de>; Reported verification bug in GenericSigner.
- Martin Schaefer<https://github.com/martinschaefer>; contributed a code-cleanup patch.
- dstutz<https://github.com/dstutz>; added iteration count setters to PKCS#12 PBE mac/key generator builders.
- Tobias Wich<mailto:tobias.wich@ecsec.de>; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.
- Hauke Mehrtens<mailto:hauke@hauke-m.de>; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.
- Daniel Zimmerman<mailto:dmz@galois.com>; Further key quality improvements to RSAKeyPairGenerator.
- Jens Kapitzka<mailto:j.kapitzka@schwarze-allianz.de>; Iterable support in OpenPGP API, code cleanup in OpenPGP API.
- Johan Eklund<mailto:johan@primekey.se>; update to RFC 6960 for OCSPObjectIdentifiers.
- nikosn<https://github.com/nikosn>; Fix to encoding of EC private keys to ensure encoding matches order length.
- Axel von dem Bruch <mailto:axel-vdb@riseup.net>; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.
- Derek Atkins <mailto:derek@ihftf.com>; Documentation fixes to X9ObjectIdentifiers.
- Peter Jr Halicky <mailto:peto@halicky.sk>; Correction to notification/error message handling in SignedMailValidator.
- IartiguePierre<https://github.com/IartiguePierre>; Fix for counter signature SID in CMSSignedData.
- Thomas Belot<mailto:thomas.belot+BC@gmail.com>; initial CertPathLoopTest for demonstrating stack overflow issue.
- Rich DiCroce<https://github.com/rdicroce>; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.
- Björn Kautler<https://github.com/Vampire>; Refinements to cert path validation (authority key addition, certificate order preservation).
- Dominik Schürmann<https://github.com/dschuermann>; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.
- Michael <mailto:MSKnete@web.de>; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.
- Tobias Wagner <mailto:tobias.wagner@n-design.de>; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].
- Sergio Giro <mailto:sgiro@google.com>; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.
- bschuetter<https://github.com/bschuetter>; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.
- Leonard Dallot<https://github.com/dallotTazTag>; Fix to S2K usage of none on changing passwords on keys without passwords originally.
- Jan Willem Janssen <mailto:j.w.janssen@bouncycastle.nl>; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.
- Sebastian Oerding <mailto:sebastian.oerding@robotron.de>; Fixes to toString() in x509.CertificatePolicies.
- Kai Kramer <mailto:kai.kramer@gmail.com>; Code to deal with orphaned chain certificates in the PKCS#12

KeyStore.

- Benoit Charles <benoit.charles@opentrust.com>; Fix for IES data length check on decryption.
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- akwizgran<https://github.com/akwizgran>; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.
- Matthias Edelhoff <Matthias.Edelhoff@cryptovision.com>; BasicConstraintsValidation pathlen fix in PKIX certpath classes.
- Lukasz Deputat <lukasz.deputat@gmail.com>; Fixed bugs in TlsUtils read methods [#BJA-592].
- Justin Ludwig <https://github.com/justinludwig>; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.
- Andr e Berenguel <https://github.com/aberenguel>; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi
- Slawomir Jaranowski<https://github.com/slawekjaranowski>; Patch to make cipher/hash/signature name methods in PGP internal API public.
- Andrey Vasilyev<https://github.com/andrey-vasilyev>; Initial implementation of GOST R 34.11-2012.
- William Glanton <wglanton77@gmail.com>; Fixed bug in Poly1305 [#BJA-620].
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- Andrew Bonventre<https://github.com/andybons>; NullPointer patch for WNafUtil.
- The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof>; defect analysis and additional test cases for the provider.
- Gorka Irazoqui <girazoki@wpi.edu>; from Intel Security Center of Excellence <https://security-center.intel.com/>; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.
- Joerg Senekowitsch <joerg.senekowitsch@veridos.com>; patch to deal with hard coded boolean in EAC ECDSAPublicKey.
- Alexandr Krivoshta <wipe@ya.ru>; N4 calculation fix to GOFB mode.
- Artem Storozhuk <storajs72@gmail.com>; N4 calculation fix to GOFB mode.
- Na Yu <na.yu@samsung.com>; Constructor patches to CMC PKIData.
- Evangelos Karatsiolis <ekaratsiolis@mtg.de>; Corrected use of explicit tagging in X.509 PolicyConstraints class.
- VivleSoren <https://github.com/VivleSoren>; additional constructor for McElieceCCA2PrivateKeyParameters.
- mtausig <https://github.com/mtausig>; JavaDoc fix for MCSEncryptedDataGenerator.
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- Sebastian Wolfgang Roland <sebastianwolfgang.roland@stud.tu-darmstadt.de>; Initial XMSS/XMSS-MT implementation.
- didisoft <https://github.com/didisoft>; test code for PGP signature removal involving user ids.
- Mike Safonov<https://github.com/MikeSafonov>; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.
- Artem Storozhuk <storajs72@gmail.com>; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.
- Andreas Glaser <andreas.glaser@gi-de.com>; patch to recognise ANSSI curves for PKCS#10 requests.

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FauxFaux <https://github.com/FauxFaux> patch for JDK 1.9 update to DRBG.java.

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str4d <https://github.com/str4d> initial implementation of Blake2s

Scott Woodward <scott@bit3consulting.com> performance fixes for CTRSP800DRBG.

David Strawn <https://github.com/isomarcte> fix for off by one error in SCRYPT bounds checking.

chris mccown <0xchrismccown@gmail.com> identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis <https://github.com/ZZMarquis> offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

Andreas Kretschmer <https://github.com/Akretsch> NPE fix for CertTemplate.getVersion()

Armin Lunkeit, Michael Tautenhahn <> identification of M-R test issue on higher certainty values in RSA key pair generation.

Vincent Breitmoser <https://github.com/Valodim> fix to ignore unnecessary checksum calculator on PGP secret key encryption.

Adam Vartanian <https://github.com/flooeey> use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().

Bernd <https://github.com/ecki> Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.

Shartung <https://github.com/shartung> Additional EC Key Agreement algorithms in support of German BSI TR-03111.

Paul Schaub <https://github.com/vanitasvitae> bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

Nick of Nexxar <https://github.com/nros> update to OpenPGP package to handle a broader range of EC curves.

catbref <https://github.com/catbref> sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).

gerlion <https://github.com/gerlion> detection of concurrency issue with pre-1.60 EC math library.

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Andreas Gadermaier <up.gadermaier@gmail.com> initial version of Argon2 PBKDF algorithm.

Tony Washer <tony.washer@yahoo.co.uk> review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

Vincent Bouckaert <https://github.com/veebee> initial version of RFC 4998 ASN.1 classes.

Tony Washer <https://github.com/tonywasher> ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.

Aurimas Liutikas <https://github.com/liutikas> JavaDoc patches to ReasonsMask.

Gabriel Sroka <https://github.com/gabrielsroka> corrected comments in RSA validation.

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- Jesse Feinman <https://github.com/jessefeinman> performance optimisation in RSAKeyParameters.
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- Antoine Toulme <https://github.com/atoulme> Initial implementation of EthereumIESEngine.
- Golden Looly <https://github.com/looly> Patch for addition of C1C3C2 mode to SM2Engine.
- Moses Palmér, TrueSec <Henrik.Palmer@truesec.se> Additional improvements to constant time comparisons.
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- THausherr<https://github.com/THausherr> Addition generic support for CMS/TSP functions.
- Gaylor Bosson<https://github.com/Gilthoniel> Initial implementation of Blake2xs.
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- Nick hitchan<https://github.com/hitchan> Fix for typo in engineInitSign() in EdEc SignatureSpi.
- dbusche<https://github.com/dbusche> Argon2 optimisations.
- Daniel Heldt<https://github.com/dheldt> Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in IceKeyAgreeRecipient.
- Ugochukwu Mmaduekwe<https://github.com/Xor-el> Fix for initially bugged legacy Integers.numberOfLeadingZeros method.
- Gsealy <https://github.com/Gsealy> addition of PBKDF2withHmacSM3 to the provider.
- aphuang2013 <https://github.com/aphuang2013> update to path validation in EST service for ClearPath EST.
- Kevin Herron <https://github.com/kevinherron> Initial ChaCha20Poly1305 prototype.
- vkreml <https://github.com/svkreml> GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.
- Tobias Ospelt >tobias@pentagrid.ch< Identification of 1.63 regression in ASN.1 parsing.

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1.50 swagger-parser-core 2.0.11

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1.51 vertx-service-proxy 3.7.1

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1.52 json-schema-validator 1.0.4

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```

Found in path(s):

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/metadata/MethodType.java
```

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```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ElementKind.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/executable/ExecutableType.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/executable/ExecutableValidator.java
```

```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/metadata/ReturnValueDescriptor.java
```

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/executable/ValidateOnExecution.java

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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Past.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/bootstrap/GenericBootstrap.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java

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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ConstraintValidator.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/ConstraintDescriptor.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Null.java

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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/AssertFalse.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/ElementDescriptor.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/Constraint.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ConstraintDefinitionException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Future.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Digits.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/NotNull.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/AssertTrue.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ValidationProviderResolver.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/GroupDefinitionException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ConstraintDeclarationException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Max.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/OverridesAttribute.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ValidationException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/groups/Default.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/spi/BootstrapState.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/Validation.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/PropertyDescriptor.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/TraversableResolver.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/Size.java

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- * /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/ConstructorDescriptor.java

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* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/DecimalMax.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/groups/package-info.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ConstraintValidatorContext.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/Path.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/Validator.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/ReportAsSingleViolation.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/MessageInterpolator.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/metadata/BeanDescriptor.java

* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-jar/javax/validation/constraints/DecimalMin.java

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```
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintViolationException.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/spi/ConfigurationState.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ConstraintValidatorFactory.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ValidatorContext.java
* /opt/cola/permits/1114844475_1607559692.86/0/validation-api-1-1-0-final-sources-5-
jar/javax/validation/ValidatorFactory.java
```

1.54 swagger-parser-v3 2.0.11

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1.57 childprocess-vertx-ext 1.3.0

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1.58 logback-core 1.3.0-alpha4

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1.59 vertx-stomp 3.7.1

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```
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/FrameParser.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/ServerFrameImpl.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/FrameException.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/StompServerTCPConnectionImpl.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/StompOptions.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/Topic.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/DefaultSendHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/EventBusBridge.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/Frames.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/StompClientOptions.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/DefaultBeginHandler.java
```

* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/StompServerOptions.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/StompServer.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DefaultUnsubscribeHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/impl/StompClientConnectionImpl.java
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* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DefaultAbortHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DestinationFactory.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/examples/StompClientExamples.java
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* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/impl/StompServerImpl.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DefaultNackHandler.java
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* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/impl/StompClientImpl.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/Frame.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/ServerFrame.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/impl/HeaderCodec.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/Destination.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DefaultConnectHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/DefaultAckHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/StompServerHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/package-info.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/examples/StompServerExamples.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/io/vertx/ext/stomp/impl/Transaction.java

```
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/utils/Server.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/AcknowledgementImpl.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/DefaultStompHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/impl/Transactions.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-jar/examples/package-
info.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/StompServerConnection.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/DefaultSubscribeHandler.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/Acknowledgement.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
jar/io/vertx/ext/stomp/StompClientConnection.java
* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
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* /opt/ws_local/PERMITS_SQL/1062688714_1592820953.13/0/vertx-stomp-3-7-1-sources-
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1.60 spring-expression 4.3.18.RELEASE

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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpDivide.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpMinus.java
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- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpAnd.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/CompoundExpression.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorInstanceof.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/common/LiteralExpression.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/OperatorOverloader.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Elvis.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/Expression.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpPlus.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Ternary.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpression.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/BeanReference.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/SpelCompiler.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpDec.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/InternalSpelExpressionParser.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpInc.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Projection.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/common/CompositeStringExpression.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ExpressionState.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Operator.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelParserConfiguration.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/NullLiteral.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/AccessException.java
- * /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-

jar/org/springframework/expression/spel/support/ReflectionHelper.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/Token.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpGT.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/CompiledExpression.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpLT.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/StringLiteral.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpGE.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/AstUtils.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/VariableReference.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/RealLiteral.java

* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelNode.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/InlineList.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/InlineMap.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveConstructorResolver.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/PropertyAccessor.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Assign.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java
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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/TypedValue.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpLE.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelCompilerMode.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Identifier.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeLocator.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorPower.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorBetween.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/common/ExpressionUtils.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorNot.java

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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/Indexer.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/FunctionReference.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/MethodReference.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/TypeCode.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OperatorMatches.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/ValueRef.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/ConstructorReference.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/FormatHelper.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/EvaluationContext.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-

jar/org/springframework/expression/spel/ast/TypeReference.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/CodeFlow.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/Tokenizer.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/InternalParseException.java
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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/ConstructorExecutor.java

* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/ParserContext.java

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* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/EvaluationException.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/BooleanLiteral.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/ExpressionException.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/IntLiteral.java
* /opt/cola/permits/1110726214_1606846789.48/0/spring-expression-4-3-18-release-sources-1-jar/org/springframework/expression/spel/ast/LongLiteral.java
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1.62 jackson 2.10.3

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1.63 ignite-indexing 2.7.5

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```
// -----  
// List of ignite-indexing module's dependencies provided as a part of this distribution.  
// -----
```

=====
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1.64 vertx-service-factory 3.7.1

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jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/HeadersUtils.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java

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

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

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

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/META-INF/maven/io.netty/netty-codec/pom.xml

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

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

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java

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

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java

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

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java

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

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

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Crc32.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/json/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/compression/Lz4XXHash32.java
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jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/serialization/ReferenceMap.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/marshalling/CompatibleMarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/base64/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
jar/io/netty/handler/codec/TooLongFrameException.java
```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/ZlibCodecFactory.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/ByteToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/StringEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/ClassResolvers.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/MessageAggregator.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/bytes/ByteArrayEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/protobuf/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/DefaultUnmarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/xml/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/CompressionException.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/base64/Base64Encoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DecoderException.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/SoftReferenceMap.java

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/bytes/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/MessageToByteEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DecoderResult.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/Delimiters.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/JZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/FixedLengthFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/CachingClassResolver.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/SnappyFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/Snappy.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/ThreadLocalMarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/serialization/WeakReferenceMap.java
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* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java

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```

/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * <pre>
 * <b>lengthFieldOffset</b> = <b>0</b>
 * <b>lengthFieldLength</b> = <b>2</b>
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)
 *
 * BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
 * +-----+-----+ +-----+-----+
 * | Length | Actual Content |---->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |   | 0x000C | "HELLO, WORLD" |
 * +-----+-----+ +-----+-----+
 * </pre>
 *
 * <h3>2 bytes length field at offset 0, strip header</h3>
 *
 * Because we can get the length of the content by calling
 * {@link ByteBuf#readableBytes()}, you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>2</tt>, that is same with the length of the length field, to
 * strip the first two bytes.
 *
 * <pre>
 * lengthFieldOffset = 0
 * lengthFieldLength = 2
 * lengthAdjustment = 0
 * <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
 *
 * BEFORE DECODE (14 bytes)    AFTER DECODE (12 bytes)
 * +-----+-----+ +-----+-----+
 * | Length | Actual Content |---->| Actual Content |
 * | 0x000C | "HELLO, WORLD" |   | "HELLO, WORLD" |

```

```
* +-----+-----+ +-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
```

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
```

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

```
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |    | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+
```

```
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
```

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

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

```
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
```

```
* +-----+-----+-----+ +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |    | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+-----+
```

```
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
```

```
* This is an advanced example that shows the case where there is an extra
```

* header between the length field and the message body. You have to specify a

* positive `<tt>lengthAdjustment</tt>` so that the decoder counts the extra

* header into the frame length calculation.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |----->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
```

* `<h3>2 bytes length field at offset 1 in the middle of 4 bytes header,`

* `strip the first header field and the length field</h3>`

* This is a combination of all the examples above. There are the prepended

* header before the length field and the extra header after the length field.

* The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra

* header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero

* `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended

* header from the frame. If you don't want to strip the prepended header, you

* could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
```

* `<h3>2 bytes length field at offset 1 in the middle of 4 bytes header,`

* `strip the first header field and the length field, the length field`

* `represents the length of the whole message</h3>`

* Let's give another twist to the previous example. The only difference from

* the previous example is that the length field represents the length of the

* whole message instead of the message body, just like the third example.

* We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.

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

```

* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b> 3</b>
*
* BEFORE DECODE (16 bytes)                AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

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

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```

```

*/

```

```

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```

```

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```

```

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```

```

*/

```

```

/**

```

```

* Enumeration of supported Base64 dialects.

```

```

* <p>

```

```

* The internal lookup tables in this class has been derived from

```

```

* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain

```

```

* Base64 Encoder/Decoder</a>.

```

```

*/

```

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java

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

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

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

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```
*/
/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
 * Base64 notation.
 * 

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 \* Base64 Encoder/Decoder.
 */


```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1072948336_1595240763.12/0/netty-codec-4-1-51-final-sources-
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```

1.66 jcommander 1.72

1.67 commons-io 2.6

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 */
```

Found in path(s):

```
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/ApplicationEvent.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/event/EventListenerFactory.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/remoting/RemoteTimeoutException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/ApplicationEventPublisher.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/datetime/standard/PeriodFormatter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/datetime/joda/PeriodFormatter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/ApplicationListener.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedAttribute.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedOperationParameters.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/ProxyAsyncConfiguration.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scripting/support/StandardScriptEvaluator.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jndi/JndiObjectFactoryBean.java
```

- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/event/SourceFilteringListener.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/format/number/CurrencyFormatter.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/format/datetime/joda/DurationFormatter.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/PayloadApplicationEvent.java
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- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/annotation/AbstractCachingConfiguration.java
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- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/SmartLifecycle.java
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- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/format/number/money/CurrencyUnitFormatter.java
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- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/annotation/ManagedNotification.java
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/annotation/AdviceMode.java
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/instrument/classloading/jboss/JBossClassLoaderAdapter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-

jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java

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 */
/**
 * {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}
 * reference through WebSphere's proprietary {@code AdminServiceFactory} API,
 * available on WebSphere 5.1 and higher.
 *
 * <p>Exposes the {@code MBeanServer} for bean references.
 * This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * <p>See the javadocs for WebSphere's
 * <a href="http://bit.ly/UzccDt">{@code AdminServiceFactory}</a>
 * and <a href="http://bit.ly/TRIX2r">{@code MBeanFactory}</a>.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */
```

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```
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/support/DefaultLifecycleProcessor.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/validation/BeanPropertyBindingResult.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/validation/FieldError.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/annotation/CachingConfigurer.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/support/PropertySourcesPlaceholderConfigurer.java
- * /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/annotation/ProxyCachingConfiguration.java
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 */
/**
 * Abstract the invocation of a cache operation.
 *
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 *
 * @author Stephane Nicoll
 * @since 4.1
 */
```

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```
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jndi/JndiTemplateEditor.java

* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/interceptor/CacheInterceptor.java

* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/support/ApplicationObjectSupport.java

* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/rmi/RmiBasedExporter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scheduling/SchedulingException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/ui/context/HierarchicalThemeSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/validation/AbstractBindingResult.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/MBeanExporterListener.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/validation/SmartValidator.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/access/ContextBeanFactoryReference.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/rmi/RmiInvocationHandler.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scripting/support/StaticScriptSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/ApplicationContextException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/event/ContextStoppedEvent.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/support/DefaultRemoteInvocationFactory.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/concurrent/ConcurrentMapCacheFactoryBean.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/ui/context/support/UiApplicationContextUtils.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scripting/groovy/GroovyObjectCustomizer.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/NoSuchMessageException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/interceptor/CacheOperationSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/context/access/ContextJndiBeanFactoryLocator.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/support/UrlBasedRemoteAccessor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/ assembler/SimpleReflectiveMBeanInfoAssembler.java
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/RemoteInvocationFailureException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scheduling/config/Task.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/format/Formatter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/scheduling/support/DelegatingErrorHandlingRunnable.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/ui/context/ThemeSource.java
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/support/SimpleValueWrapper.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/access/MBeanInfoRetrievalException.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/remoting/support/RemoteInvocationUtils.java

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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/cache/interceptor/CacheExpressionRootObject.java

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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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jar/org/springframework/ui/ModelMap.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-

jar/org/springframework/context/annotation/Lazy.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/expression/EnvironmentAccessor.java
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/ConfigurationMethod.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/support/MethodInvokingRunnable.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/StaticApplicationContext.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/remoting/rmi/RmiRegistryFactoryBean.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/ImportBeanDefinitionRegistrar.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-

jar/org/springframework/format/datetime/joda/ReadableInstantPrinter.java

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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/jmx/export/SpringModelMBean.java

* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java

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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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jar/org/springframework/remoting/support/RemoteInvocationExecutor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/metadata/AbstractJmxAttribute.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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jar/org/springframework/jmx/export/MBeanExportOperations.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/LifecycleProcessor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* limitations under the License.
*/
/**
* Indicates that a component is only eligible for registration when all
* { @linkplain #value specified conditions } match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see { @link Condition } for details).
*
* <p>The { @code @Conditional } annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* { @code @Component }, including { @link Configuration @Configuration } classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any { @link Bean @Bean } method</li>
* </ul>
*
* <p>If a { @code @Configuration } class is marked with { @code @Conditional },
* all of the { @code @Bean } methods, { @link Import @Import } annotations, and
* { @link ComponentScan @ComponentScan } annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of { @code @Conditional } annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* { @code @Conditional } itself is not declared as
* { @link java.lang.annotation.Inherited @Inherited }; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* { @code @Conditional } must not be declared as { @code @Inherited }.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

```

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jar/org/springframework/context/annotation/Conditional.java

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```

Found in path(s):

```
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/metadata/ManagedOperation.java
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```
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jndi/JndiLocatorSupport.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/StaticMessageSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/FileSystemXmlApplicationContext.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/ClassPathXmlApplicationContext.java
```

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Found in path(s):

```
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jndi/JndiPropertySource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/ assembler/MethodNameBasedMBeanInfoAssembler.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/AbstractResourceBasedMessageSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/annotation/AnnotationJmxAttributeSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scripting/config/ScriptBeanDefinitionParser.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/CommonAnnotationBeanPostProcessor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/ImportRegistry.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/ParserStrategyUtils.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/interceptor/CacheEvictOperation.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/interceptor/SimpleKey.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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jar/org/springframework/scheduling/concurrent/ConcurrentTaskExecutor.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/annotation/Cacheable.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scripting/support/StandardScriptFactory.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/config/LoadTimeWeaverBeanDefinitionParser.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/ConversionServiceFactoryBean.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jmx/export/annotation/ManagedNotifications.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/jndi/JndiLocatorDelegate.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeContextHolder.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/config/ScheduledTaskRegistrar.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/expression/CachedExpressionEvaluator.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/support/GenericApplicationContext.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/Primary.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/instrument/classloading/ReflectiveLoadTimeWeaver.java
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jar/org/springframework/context/event/EventListener.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/annotation/CachePut.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/annotation/CacheEvict.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/support/FormatterPropertyEditorAdapter.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scripting/bsh/BshScriptFactory.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/datetime/standard/DateTimeFormatterRegistrar.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/EnableScheduling.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-

jar/org/springframework/context/annotation/Import.java
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jar/org/springframework/scripting/groovy/GroovyScriptEvaluator.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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jar/org/springframework/context/EmbeddedValueResolverAware.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/concurrent/ConcurrentMapCacheManager.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/i18n/LocaleContextHolder.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/weaving/AspectJWeavingEnabler.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
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* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/validation/AbstractPropertyBindingResult.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/AnnotatedBeanDefinitionReader.java
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jar/org/springframework/scheduling/annotation/Schedules.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/Scheduled.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/Async.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/datetime/DateFormatterRegistrar.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/format/support/FormattingConversionService.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/context/annotation/ConfigurationClass.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/cache/annotation/AnnotationCacheOperationSource.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/annotation/SchedulingConfiguration.java
* /opt/cola/permits/1138222684_1614276620.18/0/spring-context-4-3-18-release-sources-2-
jar/org/springframework/scheduling/concurrent/ThreadPoolTaskExecutor.java

1.70 apk-tools 2.10.5-r2

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```
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1.74 boost 1.73.0

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--- end ---

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////

[#mpl]

MPL Support, <boost/mp11/mpl.hpp>

:toc:

:toc-title:

:idprefix:

The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for ``mp_list`` and ``std::tuple`` to be valid link:../../../../libs/mpl[MPL] sequences.

NOTE: ``mpl.hpp`` is not included by `<boost/mp11.hpp>`.

It's also possible to only enable support for ``mp_list`` by including `<boost/mp11/mpl_list.hpp>`, and for ``std::tuple`` by including `<boost/mp11/mpl_tuple.hpp>`. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for ``std::tuple``, which conflicts with Mp11's one.

<!DOCTYPE html>

<html>

<head></head>

<body>

<h3>

Copyright Test

</h3>

<p class="copyright">

1963, 1964, 1965 Jane Doe

</p>

<p class="copyright">

2018 Joe Blow, John Coe

</p>

<p class="copyright">

1977, 1985 Someone else

</p>

</body>

</html>

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```
<?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>
    <copyright>
      <year>2018</year> <holder>Joe Blow, John Coe</holder>
    </copyright>
    <copyright>
      <year>1977</year> <year>1985</year> <holder>Someone else</holder>
    </copyright>
  </articleinfo>
</article>
```

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1.75 tre 0.8.0

1.75.1 Available under license :

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Metadata-Version: 1.0

Name: tre

Version: 0.8.0

Summary: Python module for TRE

Home-page: <http://laurikari.net/tre/>

Author: Ville Laurikari

Author-email: ville@laurikari.net

License: 2-clause BSD

Description: UNKNOWN

Platform: UNKNOWN

Found in path(s):

* /opt/cola/permits/1130788353_1612811420.75/0/tre-0-8-0-2-tar-gz/tre-0.8.0/PKG-INFO

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/*

tre-python.c - TRE Python language bindings

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1.76 spring-framework 3.2.17.RELEASE

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jar/io/netty/resolver/dns/DnsCnameCache.java
* /opt/ws_local/PERMITS_SQL/1077766268_1597104690.89/0/netty-resolver-dns-4-1-51-final-sources-
jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java
* /opt/ws_local/PERMITS_SQL/1077766268_1597104690.89/0/netty-resolver-dns-4-1-51-final-sources-
jar/io/netty/resolver/dns/DirContextUtils.java
* /opt/ws_local/PERMITS_SQL/1077766268_1597104690.89/0/netty-resolver-dns-4-1-51-final-sources-
jar/io/netty/resolver/dns/NoopDnsCnameCache.java
* /opt/ws_local/PERMITS_SQL/1077766268_1597104690.89/0/netty-resolver-dns-4-1-51-final-sources-
jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java
```

1.80 jbcrypt 0.4

1.80.1 Available under license :

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```

Found in path(s):

```
* /opt/cola/permits/115342115_1646171445.14/0/jbcrypt-0-4-sources-5-jar/org/mindrot/jbcrypt/BCrypt.java
```

1.81 vertx-codegen 3.7.1

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1.82 busybox 1.32.0-r2

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1.83 zlib 1.2.11

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Jdom-contrib version 1.1.3

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[1] <https://github.com/hunterhacker/jdom/blob/master/LICENSE.txt>

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VERSION: 2.1 PoliMorf

BUILD: 2016-02-13 19:37:50+01:00

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analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fin/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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<http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz>

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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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!

1.86 libjpeg 6b

1.86.1 Notifications :

This software is based in part on the work of the Independent JPEG Group.

1.86.2 Available under license :

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

=====

This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

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

DOCUMENTATION ROADMAP

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

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

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

OVERVIEW

=====

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.

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:

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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.

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- (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.

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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.

ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally,

that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

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

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

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

We are required to state that

"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES

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

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> 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

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free 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

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

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

As always, speeding things up is of great interest.

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

1.87 vertx-config 3.7.1

1.87.1 Available under license :

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

```
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```

```
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#
#
```

```
io.vertx.config.impl.spi.JsonProcessor
io.vertx.config.impl.spi.RawProcessor
io.vertx.config.impl.spi.PropertiesConfigProcessor
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/META-
INF/services/io.vertx.config.spi.ConfigProcessor
No license file was found, but licenses were detected in source scan.
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#
#
```

```
io.vertx.config.impl.spi.FileConfigStoreFactory
io.vertx.config.impl.spi.JsonConfigStoreFactory
io.vertx.config.impl.spi.EnvVariablesConfigStore
io.vertx.config.impl.spi.SystemPropertiesConfigStore
io.vertx.config.impl.spi.HttpConfigStoreFactory
io.vertx.config.impl.spi.EventBusConfigStoreFactory
io.vertx.config.impl.spi.DirectoryConfigStoreFactory
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/META-
INF/services/io.vertx.config.spi.ConfigStoreFactory
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*
*/

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/SystemPropertiesConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/ConfigStoreOptions.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/ConfigurationProvider.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/examples/ConfigExamples.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/examples/package-info.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/RawProcessor.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/spi/ConfigProcessor.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/spi/ConfigStoreFactory.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/JsonProcessor.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/package-info.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/spi/Utils/JsonObjectHelper.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/ConfigChange.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/FileConfigStoreFactory.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/EventBusConfigStoreFactory.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/PropertiesConfigProcessor.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/HttpConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/spi/JsonConfigStoreFactory.java

```

* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/EventBusConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/DirectoryConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/spi/Utils/Processors.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/ConfigRetrieverOptions.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/spi/ConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/DirectoryConfigStoreFactory.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/FileConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/JsonConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/EnvVariablesConfigStore.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/spi/Utils/FileSet.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/ConfigRetriever.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/spi/HttpConfigStoreFactory.java
* /opt/ws_local/PERMITS_SQL/1062688707_1592820946.74/0/vertx-config-3-7-1-sources-
jar/io/vertx/config/impl/ConfigRetrieverImpl.java

```

1.88 netty-codec-http 4.1.51.Final

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jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketCloseStatus.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java
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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilter.java
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jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolConfig.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java
```

* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshakerFactory.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandshakeHandler.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/CorruptedWebSocketFrameException.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionFilterProvider.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketDecoderConfig.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java

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jar/io/netty/handler/codec/http/ServerCookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/HttpChunkedInput.java
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jar/io/netty/handler/codec/http/HttpStatusClass.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/HttpHeadersEncoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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jar/io/netty/handler/codec/http/HTTPHeaderValues.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/HTTPHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java
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jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/rtsp/RtspHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-

jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandler.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionDecoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/rtsp/RtspHeaderValues.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/HttpMessageUtil.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java

* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java

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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/cors/CorsHandler.java

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- */

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- * /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/HttpUtil.java
- * /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieEncoder.java
- * /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java
- * /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-jar/io/netty/handler/codec/rtsp/RtspDecoder.java

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jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java
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jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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* /opt/ws_local/PERMITS_SQL/1072411888_1594999339.26/0/netty-codec-http-4-1-51-final-sources-
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1.90 jsr305 3.0.1

1.91 ca-certificates 20191127-r4

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builds/unix/pkg.m4

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docs/FTL.TXT

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#

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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1.105 netty-handler 4.1.51.Final

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslTlsV13X509ExtendedTrustManager.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ExtendedOpenSslSession.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/TrustManagerFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/util/SimpleKeyManagerFactory.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-

jar/io/netty/handler/ssl/PemPrivateKey.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/PemX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/flow/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/PemEncoded.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/PemValue.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/flush/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/Java8SslUtils.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/OpenSslCertificateException.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/flush/FlushConsolidationHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/DelegatingSslContext.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
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- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslUtils.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkAlpnSslEngine.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslClientHelloHandler.java
- * /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java

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jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ClientAuth.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java

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jar/io/netty/handler/stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/timeout/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/timeout/IdleStateHandler.java
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jar/io/netty/handler/logging/LoggingHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/ssl/NotSslRecordException.java
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jar/io/netty/handler/ssl/SslHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/stream/ChunkedFile.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/stream/ChunkedNioStream.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/logging/LogLevel.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/stream/ChunkedWriteHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/stream/ChunkedInput.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/timeout/ReadTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-
jar/io/netty/handler/timeout/TimeoutException.java
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jar/io/netty/handler/timeout/IdleStateEvent.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/timeout/IdleState.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/logging/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/timeout/ReadTimeoutHandler.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslHandshakeTimeoutException.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SniHandler.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/package-info.java
* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslContext.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/RuleBasedIpFilter.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslProvider.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkSslContext.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java

* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java

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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java
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* /opt/ws_local/PERMITS_SQL/1072948687_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java

1.106 mailapi 1.4.3

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* /opt/ws_local/PERMITS_SQL/1077766258_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-  
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jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java  
* /opt/ws_local/PERMITS_SQL/1077766258_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-  
jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.112 pcollections 3.0.3

1.113 commons-lang3 3.7

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1.114 libtls-standalone 2.9.1-r1

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* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java

* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-jar/io/netty/handler/proxy/ProxyHandler.java

* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-jar/io/netty/handler/proxy/package-info.java

* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java

* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-jar/io/netty/handler/proxy/ProxyConnectionEvent.java

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* /opt/ws_local/PERMITS_SQL/1077639653_1597066896.9/0/netty-handler-proxy-4-1-51-final-sources-

1.116 error_prone_annotations 2.4.0

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*/opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
*/opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/concurrent/LockMethod.java
*/opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/NoAllocation.java
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- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/DoNotCall.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/CheckReturnValue.java

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- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/MustBeClosed.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/RestrictedApi.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/FormatString.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/CompatibleWith.java
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- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/CompileTimeConstant.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/Var.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/Immutable.java
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- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
- * /opt/cola/permits/1199767181_1630583089.73/0/error-prone-annotations-2-4-0-sources-2-jar/com/google/errorprone/annotations/IncompatibleModifiers.java

1.117 objenesis 2.6

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1.118 openssl 1.1.1g

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or
```

(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

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) 19yy 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.

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

```
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
```

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

The "Artistic License"

Preamble

The intent of this document is to state the conditions under which a Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

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d) make other distribution arrangements with the Copyright Holder.

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a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

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The End

1.119 rhino 1.7r4

1.119.1 Available under license :

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

```
/* -*- Mode: java; tab-width: 8; indent-tabs-mode: nil; c-basic-offset: 4 -*-  
*  
* This Source Code Form is subject to the terms of the Mozilla Public  
* License, v. 2.0. If a copy of the MPL was not distributed with this  
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */
```

Found in path(s):

```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-  
jar/org/mozilla/javascript/ast/Comment.java  
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-  
jar/org/mozilla/javascript/tools/debugger/SwingGui.java  
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-  
jar/org/mozilla/javascript/CodeGenerator.java
```

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Interpreter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Script.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/WithStatement.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/NativeJavaObject.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/xml/XMLObject.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/debugger/Dim.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ContextListener.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Undefined.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/DefaultErrorReporter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ScriptableObject.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/JavaAdapter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/TopLevel.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/SwitchCase.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/debugger/ScopeProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/shell/ShellContextFactory.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/shell/ConsoleTextArea.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Arguments.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/UniqueTag.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/LabeledStatement.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/Name.java

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/AstNode.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/PropertyGet.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ArrayComprehensionLoop.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/serialize/ScriptableInputStream.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/WrappedException.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/regexp/RegExpImpl.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/serialize/ScriptableOutputStream.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/VMBridge.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ScriptRuntime.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/GeneratorExpressionLoop.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ReturnStatement.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/InterfaceAdapter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/VariableInitializer.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/NativeCall.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ExpressionStatement.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/optimizer/Codegen.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ArrayComprehension.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ObjectProperty.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/NodeVisitor.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ParseProblem.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/Synchronizer.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ConsString.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/EvaluatorException.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/XmlExpression.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/XmlString.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/DoLoop.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/UintMap.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/regexp/NativeRegExpCtor.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/shell/QuitAction.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/tools/shell/JavaPolicySecurity.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/XmlPropRef.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/xmlimpl/QName.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/RefCallable.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/NativeDate.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Callable.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/FunctionNode.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/ForInLoop.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/FunctionObject.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/NodeTransformer.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/xmlimpl/Namespace.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/xmlimpl/XML.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/TryStatement.java
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jar/org/mozilla/javascript/NativeContinuation.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/NativeFunction.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/v8dtoa/FastDtoaBuilder.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Node.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/UnaryExpression.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Kit.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/DestructuringForm.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/ast/CatchClause.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/JavaScriptException.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/Evaluator.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/debug/DebuggableScript.java
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/Loop.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ImporterTopLevel.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/ToolErrorReporter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/AstRoot.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/debug/Debugger.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/ErrorCollector.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/Yield.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/XmlRef.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/JavaMembers.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/EcmaError.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/Symbol.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/NativeBoolean.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ast/Label.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-jar/org/mozilla/javascript/ObjArray.java
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jar/org/mozilla/javascript/NativeJavaPackage.java

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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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jar/org/mozilla/javascript/ast/ErrorNode.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/xml/XMLLib.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ContinuationPending.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ContextAction.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/GeneratorExpression.java
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```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/debugger/build.xml
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/**  
* This interface defines a protocol for the reporting of  
* errors during JavaScript translation in IDE-mode.  
* If the {@link org.mozilla.javascript.Parser}'s error reporter is  
* set to an instance of this interface, then this interface's  
* {@link #warning} and {@link #error} methods are called instead  
* of the {@link org.mozilla.javascript.ErrorReporter} versions. <p>  
*  
* These methods take a source char offset and a length. The  
* rationale is that in interactive IDE-type environments, the source  
* is available and the IDE will want to indicate where the error  
* occurred and how much code participates in it. The start and length  
* are generally chosen to fit within a single line, for readability,  
* but the client is free to use the AST to determine the affected  
* node(s) from the start position and change the error or warning's  
* display bounds.<p>  
*  
* @author Steve Yegge  
*/
```

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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ast/IdeErrorReporter.java
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* @(#)JTreeTable.java 1.2 98/10/27  
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* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/debugger/treetable/JTreeTable.java
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*/

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/debugger/treetable/AbstractCellEditor.java
No license file was found, but licenses were detected in source scan.

```
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// from this software without specific prior written permission.
```

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/v8dtoa/DiyFp.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/v8dtoa/FastDtoa.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/v8dtoa/CachedPowers.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/v8dtoa/DoubleHelper.java
No license file was found, but licenses were detected in source scan.

```
/* -*- Mode: java; tab-width: 4; indent-tabs-mode: 1; c-basic-offset: 4 -*-  
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```

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/NativeJSON.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/idswitch/SwitchGenerator.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/idswitch/CodePrinter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/json/JsonParser.java

```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/idswitch/FileBody.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/idswitch/Main.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/idswitch/IdValuePair.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/NativeMath.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/IdScriptableObject.java
```

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

/*

```
* @(#)TreeTableModelAdapter.java    1.2 98/10/27
```

*

```
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```

*

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```

*/

Found in path(s):

```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/debugger/treetable/TreeTableModelAdapter.java
```

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

```
/* -*- Mode: java; tab-width: 8; indent-tabs-mode: nil; c-basic-offset: 4 -*-
 *
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 * License, v. 2.0. If a copy of the MPL was not distributed with this
 * file, You can obtain one at http://mozilla.org/MPL/2.0/. */
/*
 * During the great date rewrite of 1.3, we tried to track the
 * evolving ECMA standard, which then had a definition of
 * getYear which always subtracted 1900. Which we
 * implemented, not realizing that it was incompatible with
 * the old behavior... now, rather than thrash the behavior
 * yet again, we've decided to leave it with the - 1900
 * behavior and point people to the getFullYear method. But
 * we try to protect existing scripts that have specified a
 * version...
 */
```

Found in path(s):

```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ContextFactory.java
```

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

```
/*
 * TreeTableModel.java
 *
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```


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*/

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/debugger/treetable/TreeTableModel.java
No license file was found, but licenses were detected in source scan.

```
/* -*- Mode: java; tab-width: 8; indent-tabs-mode: nil; c-basic-offset: 4 -*-  
*  
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* License, v. 2.0. If a copy of the MPL was not distributed with this  
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */  
// throws a special exception. This ensures execution of all pending
```

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/NativeGenerator.java
No license file was found, but licenses were detected in source scan.

```
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```

Found in path(s):

* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/URLConnectionSecurityDomainProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/optimizer/OptRuntime.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSource.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/annotations/JSSetter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/SoftCachingModuleScriptProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/optimizer/OptFunctionNode.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/SecureCaller.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/annotations/JFunction.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/commonjs/module/provider/UrlModuleSourceProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/xmlimpl/XmlProcessor.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/ParsedContentType.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/MultiModuleScriptProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/DefiningClassLoader.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/ScriptStackElement.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/StrongCachingModuleScriptProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/optimizer/Optimizer.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/PolicySecurityController.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/annotations/JStaticFunction.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/DefaultUrlConnectionExpiryCalculator.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/ModuleScript.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/RhinoSecurityManager.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/optimizer/OptTransformer.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/annotations/JConstructor.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/ModuleScriptProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/ModuleScope.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/optimizer/Block.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProvider.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/RequireBuilder.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/annotations/JGetter.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/jsc/Main.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/Require.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/UrlConnectionExpiryCalculator.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-

```
jar/org/mozilla/javascript/xmlimpl/XmlNode.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProviderBase.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/commonjs/module/provider/CachingModuleScriptProviderBase.java
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/SourceReader.java
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```

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Found in path(s):

```
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/tools/resources/Messages.properties
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/resources/Messages_fr.properties
* /opt/cola/permits/1102931473_1605532113.64/0/rhino-1-7r4-sources-1-
jar/org/mozilla/javascript/resources/Messages.properties
```

1.120 libffi 3.2.1

1.120.1 Available under license :

libffi - Copyright (c) 1996-2014 Anthony Green, Red Hat, Inc and others.
See source files for details.

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1.121 jctools-core 3.0.0

1.121.1 Available under license :

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4_0_0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
```

```
<artifactId>jctools-core</artifactId>
```

```
<groupId>org.jctools</groupId>
```

```
<version>3.0.0</version>
```

```
<name>Java Concurrency Tools Core Library</name>
```

```
<description>Java Concurrency Tools Core Library</description>
```

```
<packaging>bundle</packaging>
```

```
<dependencies>
```

```
<dependency>
```

```
<groupId>org.hamcrest</groupId>
```

```
<artifactId>hamcrest-all</artifactId>
```

```
<version>${hamcrest.version}</version>
```

```
<scope>test</scope>
```

```
</dependency>
```

```
<dependency>
```

```
<groupId>junit</groupId>
```

```
<artifactId>junit</artifactId>
```

```
<version>${junit.version}</version>
```

```
<scope>test</scope>
```

```
</dependency>
```

```
<dependency>
```

```
<groupId>com.google.guava</groupId>
```

```
<artifactId>guava-testlib</artifactId>
```

```
<version>${guava-testlib.version}</version>
```

```
<scope>test</scope>
```

```
</dependency>
```

```
</dependencies>
```

```
<build>
```

```
<plugins>
```

```
<plugin>
```

```
<groupId>org.apache.maven.plugins</groupId>
```

```
<artifactId>maven-surefire-plugin</artifactId>
```

```
<version>3.0.0-M3</version>
```

```
<configuration>
```

```
<includes>
```

```
<include>*</include>
```

```

</includes>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.felix</groupId>
<artifactId>maven-bundle-plugin</artifactId>
<version>4.2.1</version>
<extensions>>true</extensions>
<configuration>
<instructions>
<Import-Package>sun.misc;resolution:=optional</Import-Package>
</instructions>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-source-plugin</artifactId>
<version>3.2.0</version>
<executions>
<execution>
<id>attach-sources</id>
<phase>verify</phase>
<goals>
<goal>jar-no-fork</goal>
</goals>
</execution>
</executions>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<version>3.1.1</version>
<configuration>
<additionalOptions>
<additionalOption>-Xdoclint:none</additionalOption>
</additionalOptions>
<source>8</source>
</configuration>
<executions>
<execution>
<id>attach-javadocs</id>
<goals>
<goal>jar</goal>
</goals>
</execution>
</executions>
</plugin>
</plugins>

```

</build>

<distributionManagement>

<repository>

<id>bintray-jctools-jctools</id>

<name>jctools-jctools</name>

<url>https://api.bintray.com/maven/jctools/jctools/jctools-core/;publish=1</url>

</repository>

</distributionManagement>

<url>https://github.com/JCTools</url>

<inceptionYear>2013</inceptionYear>

<licenses>

<license>

<name>Apache License, Version 2.0</name>

<url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>

<distribution>repo</distribution>

</license>

</licenses>

<scm>

<url>https://github.com/JCTools/JCTools</url>

<connection>scm:git:https://github.com/JCTools/JCTools</connection>

<tag>HEAD</tag>

</scm>

<developers>

<developer>

<url>https://github.com/nitsanw</url>

</developer>

<developer>

<url>https://github.com/mjpt777</url>

</developer>

<developer>

<url>https://github.com/RichardWarburton</url>

</developer>

<developer>

<url>https://github.com/kay</url>

</developer>

<developer>

<url>https://github.com/franz1981</url>

</developer>

</developers>

<prerequisites>

<maven>3.5.0</maven>

</prerequisites>

```
<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<java.version>1.6</java.version>
<java.test.version>1.8</java.test.version>

<maven.compiler.source>${java.version}</maven.compiler.source>
<maven.compiler.target>${java.version}</maven.compiler.target>
<maven.compiler.testSource>${java.test.version}</maven.compiler.testSource>
<maven.compiler.testTarget>${java.test.version}</maven.compiler.testTarget>

<hamcrest.version>1.3</hamcrest.version>
<junit.version>4.12</junit.version>
<guava-testlib.version>21.0</guava-testlib.version>
</properties>
</project>
```

Found in path(s):

* /opt/cola/permits/1177956791_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1578049665284

Build-Jdk: 1.8.0_232

Built-By: yak

Bundle-Description: Java Concurrency Tools Core Library

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Java Concurrency Tools Core Library

Bundle-SymbolicName: org.jctools.core

Bundle-Version: 3.0.0

Created-By: Apache Maven Bundle Plugin

Export-Package: org.jctools.maps;version="3.0.0",org.jctools.util;version="3.0.0";uses:="sun.misc",org.jctools.queues;version="3.0.0";uses:="org.jctools.queues.spec",org.jctools.queues.spec;version="3.0.0",org.jctools.queues.atomic;version="3.0.0";uses:="org.jctools.queues,org.jctools.queues.spec"

Import-Package: sun.misc;resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-4.2.0.201903051501

Found in path(s):

* /opt/cola/permits/1177956791_1625584358.42/0/jctools-core-3-0-0-5-jar/META-INF/MANIFEST.MF

1.122 netty 4.1.51.Final

1.122.1 Available under license :

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