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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
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#

#

io.vertx.config.impl.spi.FileConfigtoreFactory 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

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\* /opt/ws\_local/PERMITS\_SQL/1062688707\_1592820946.74/0/vertx-config-3-7-1-sources-jar/META-INF/services/io.vertx.config.spi.ConfigStoreFactory No license file was found, but licenses were detected in source scan.

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\* /opt/ws\_local/PERMITS\_SQL/1062688707\_1592820946.74/0/vertx-config-3-7-1-sourcesjar/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

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\* /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/FileConfigtoreFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1062688707\_1592820946.74/0/vertx-config-3-7-1-sourcesjar/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-sourcesjar/io/vertx/config/impl/spi/HttpConfigStore.java

\* /opt/ws\_local/PERMITS\_SQL/1062688707\_1592820946.74/0/vertx-config-3-7-1-sourcesjar/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

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\* /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-sourcesjar/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-sourcesjar/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

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\* /opt/ws\_local/PERMITS\_SQL/1062688707\_1592820946.74/0/vertx-config-3-7-1-sources-jar/io/vertx/config/impl/ConfigRetrieverImpl.java

# 1.7 simpleclient 0.5.0

# 1.8 commons-io 2.6

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### 1.9 childprocess-vertx-ext 1.3.0

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// -----

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## 1.15 zlib 1.2.11

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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The data format used by the zlib library is described by RFCs (Request for

Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

## 1.16 mail 1.6.0

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## 1.18 vertx-core 3.7.1

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1.19 netty-transport 4.1.51.Final

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

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

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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/ChannelOutputShutdownEvent.java

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\* /opt/ws\_local/PERMITS\_SQL/1072948476\_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ChannelHandlerMask.java

\* /opt/ws\_local/PERMITS\_SQL/1072948476\_1595240756.51/0/netty-transport-4-1-51-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.java

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/\*\*

\* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in \* its {@link ChannelPipeline}.

\* its { white Channel Pipelin

```
*
```

\* <h3>Sub-types</h3>

\*

\* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its subtypes:

\*

\* {@link ChannelInboundHandler} to handle inbound I/O events, and

```
* {@link ChannelOutboundHandler} to handle outbound I/O operations.
```

\*

\*

\*

\* Alternatively, the following adapter classes are provided for your convenience:

\*

```
* {@link ChannelInboundHandlerAdapter} to handle inbound I/O events,
```

\* {@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and

```
* {@link ChannelDuplexHandler} to handle both inbound and outbound events
```

\*

```
*
```

\*

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

\*

\*

```
* <h3>The context object</h3>
```

\*

\* A {@link ChannelHandler} is provided with a {@link ChannelHandlerContext}

```
* object. A {@link ChannelHandler} is supposed to interact with the
```

```
* {@link ChannelPipeline} it belongs to via a context object. Using the
```

\* context object, the {@link ChannelHandler} can pass events upstream or

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

```
* (using {@link AttributeKey}s) which is specific to the handler.
```

\*

```
* <h3>State management</h3>
```

\*

\* A {@link ChannelHandler} often needs to store some stateful information.

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

\*

\* public interface Message {

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

```
* }
```

\*

\* public class DataServerHandler extends { @link SimpleChannelInboundHandler } <Message&gt; {

```
*
   <b>private boolean loggedIn;</b>
*
*
    {@code @Override}
*
    public void channelRead0({@link 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();
*
         }
*
      }
*
    }
* }
* 
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* 
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}&gt; {
*
    {@code @Override}
*
   public void initChannel({@link Channel} channel) {
      channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*
*
    }
* }
* 
* <h4>Using {@link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
* 
* public interface Message {
   // your methods here
*
* }
*
* {@code @Sharable}
```

\* public class DataServerHandler extends { @link SimpleChannelInboundHandler } <Message&gt; {

```
*
   private final {@link AttributeKey}<{@link Boolean}&gt; auth =
*
       {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*
    {@code @Override}
*
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*
      {@link Attribute}<{@link Boolean}&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();
*
        }
*
      }
    }
* }
* 
* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* 
* public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}&gt; {
*
*
   private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*
   {@code @Override}
*
   public void initChannel({@link Channel} channel) {
      channel.pipeline().addLast("handler", <b>SHARED</b>);
*
*
    }
* }
* 
*
* <h4>The {@code @Sharable} annotation</h4>
* 
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* 
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
* a race condition.
* 
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
```

\*

- \* This annotation is provided for documentation purpose, just like
- \* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
- \*
- \* <h3>Additional resources worth reading</h3>
- \*
- \* 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/pool/SimpleChannelPool.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-sourcesjar/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

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ASM: a very small and fast Java bytecode manipulation framework

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/instrument/classloading/glassfish/GlassFishLoadTimeWeaver.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/event/EventListenerMethodProcessor.java

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/\*\*

\* Indicates that a component is only eligible for registration when all

\* {@linkplain #value specified conditions} match.

\*

\* A <em>condition</em> is any state that can be determined programmatically

\* before the bean definition is due to be registered (see {@link Condition} for details).

\*

\* The {@code @Conditional} annotation may be used in any of the following ways: \*

\* as a type-level annotation on any class directly or indirectly annotated with

\* {@code @Component}, including {@link Configuration @Configuration} classes

\* as a meta-annotation, for the purpose of composing custom stereotype

\* annotations

\* as a method-level annotation on any {@link Bean @Bean} method

\*

\* If a {@code @Configuration} class is marked with {@code @Conditional},

 $\ast$  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.
- \*
- \* <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
- \*/

#### Found in path(s):

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/annotation/Conditional.java No license file was found, but licenses were detected in source scan.

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* /opt/cola/permits/1110726139_1606846846.23/0/spring-context-4-3-18-release-sources-1-
jar/org/springframework/instrument/classloading/WeavingTransformer.java
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jar/org/springframework/context/weaving/AspectJWeavingEnabler.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/cache/interceptor/CacheEvaluationContext.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/annotation/ImportRegistry.java

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

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/cache/interceptor/SimpleKey.java

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/datetime/standard/DateTimeFormatterRegistrar.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/scheduling/config/ExecutorBeanDefinitionParser.java

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/support/FormattingConversionService.java

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jar/org/springframework/instrument/classloading/weblogic/WebLogicLoadTimeWeaver.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/scripting/support/StandardScriptFactory.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/scheduling/annotation/AnnotationAsyncExecutionInterceptor.java No license file was found, but licenses were detected in source scan.

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-

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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.

\*

\* 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.

\*

\* 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

\*/

Found in path(s):

```
* /opt/cola/permits/1110726139_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java
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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/validation/annotation/Validated.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jmx/export/assembler/MethodExclusionMBeanInfoAssembler.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-

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jar/org/springframework/instrument/classloading/SimpleThrowawayClassLoader.java

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jar/org/spring framework/cache/config/CacheManagementConfigUtils. java

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jar/org/springframework/jmx/export/MBeanExportOperations.java

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```
/**
```

```
* Abstract the invocation of a cache operation.
```

\*

```
* 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
```

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* @since 4.1
```

\*/

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/event/EventListenerFactory.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/datetime/standard/YearMonthFormatter.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/validation/beanvalidation/SpringConstraintValidatorFactory.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-

jar/org/springframework/context/Lifecycle.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jmx/export/assembler/AbstractReflectiveMBeanInfoAssembler.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/jmx/export/annotation/ManagedAttribute.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/scheduling/config/AnnotationDrivenBeanDefinitionParser.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/number/money/CurrencyUnitFormatter.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/ui/context/support/ResourceBundleThemeSource.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jmx/export/annotation/ManagedNotification.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/validation/support/BindingAwareModelMap.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/number/money/MonetaryAmountFormatter.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/format/number/PercentStyleFormatter.java

jar/org/springframework/cache/support/AbstractCacheManager.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/format/datetime/joda/DurationFormatter.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/event/GenericApplicationListener.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/annotation/ComponentScans.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jmx/export/annotation/ManagedResource.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/jmx/export/annotation/ManagedResource.java \* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/format/number/NumberFormatter.java No license file was found, but licenses were detected in source scan.

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\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/annotation/AdviceMode.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/ApplicationContextInitializer.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/ApplicationEventPublisherAware.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/annotation/ImportAware.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/context/annotation/BeanMethod.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1-jar/org/springframework/instrument/classloading/jboss/JBossClassLoaderAdapter.java

\* /opt/cola/permits/1110726139\_1606846846.23/0/spring-context-4-3-18-release-sources-1jar/org/springframework/context/MessageSourceAware.java

### 1.24 vertx-web 3.7.1

# 1.25 vertx-bridge-common 3.7.1

# 1.26 jackson 2.10.3

### 1.26.1 Available under license :

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It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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### 1.27 httpcomponents-core 4.4.4

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### xwd utility

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include/GL/gl.h :

Mesa 3-D graphics library

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---include/GL/glext.h include/GL/glxext.h include/GL/wglxext.h :

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- \* /opt/cola/permits/1003991380\_1612162897.5/0/slf4j-log4j12-1-8-0-beta4-sourcesjar/org/slf4j/log4j12/Log4jMDCAdapter.java
- \* /opt/cola/permits/1003991380\_1612162897.5/0/slf4j-log4j12-1-8-0-beta4-sourcesjar/org/slf4j/log4j12/Log4jLoggerAdapter.java
- \* /opt/cola/permits/1003991380\_1612162897.5/0/slf4j-log4j12-1-8-0-beta4-sources-jar/org/slf4j/log4j12/Log4jLoggerFactory.java

# 1.33 swagger-parser-v3 2.0.11

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jar/org/springframework/beans/factory/xml/BeanDefinitionParserDelegate.java

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jar/org/spring framework/beans/factory/support/CglibSubclassingInstantiationStrategy.java

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 $jar/org/spring framework/beans/factory/annotation/Qualifier Annotation Autowire Candidate Resolver. \\ java$ 

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jar/org/springframework/beans/CachedIntrospectionResults.java

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractAutowireCapableBeanFactory.java

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jar/org/springframework/beans/factory/support/ConstructorResolver.java

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jar/org/springframework/beans/factory/annotation/AutowiredAnnotationBeanPostProcessor.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/DefaultListableBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/BeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/DefaultBeanDefinitionDocumentReader.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/FactoryBeanRegistrySupport.java No license file was found, but licenses were detected in source scan.

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jar/org/springframework/beans/factory/annotation/Qualifier.java

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-

jar/org/spring framework/beans/factory/config/Bean Definition Visitor. java

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Found in path(s):

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/wiring/BeanWiringInfoResolver.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/LocaleEditor.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/InputStreamEditor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/HierarchicalBeanFactory.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/ManagedProperties.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/SecurityContextProvider.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/parsing/Location.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/PropertyAccessorUtils.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/ConversionNotSupportedException.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/parsing/SourceExtractor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/InvalidPropertyException.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/BeanPostProcessor.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/wiring/BeanWiringInfo.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/CustomCollectionEditor.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/RuntimeBeanNameReference.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/PropertyValue.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/BeanDefinitionReaderUtils.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/ConfigurableListableBeanFactory.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/PropertyPathFactoryBean.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-

jar/org/springframework/beans/PropertyEditorRegistrySupport.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/InstantiationStrategy.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/access/BootstrapException.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/SingletonBeanRegistry.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/AutowireCapableBeanFactory.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/MethodInvocationException.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/AbstractSingleBeanDefinitionParser.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/RuntimeBeanReference.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/BeanInstantiationException.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/CannotLoadBeanClassException.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/BeansDtdResolver.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/SmartInstantiationAwareBeanPostProcessor.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/CharsetEditor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/AbstractBeanDefinitionParser.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/CustomDateEditor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/propertyeditors/ClassEditor.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/PropertyAccessException.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/BeanDefinitionDefaults.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/access/BeanFactoryLocator.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/PropertyValues.java \*/opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/Scope.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/parsing/Problem.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/propertyeditors/URIEditor.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/InitializingBean.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyBatchUpdateException.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/BeanDefinitionResource.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/NamespaceHandlerResolver.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/PropertyEditorRegistry.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/ManagedSet.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/NotWritablePropertyException.java

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/FatalBeanException.java

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/annotation/InitDestroyAnnotationBeanPostProcessor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/NamespaceHandler.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/BeanInitializationException.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionStoreException.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-jar/org/springframework/beans/factory/parsing/ProblemReporter.java

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jar/org/springframework/beans/factory/xml/UtilNamespaceHandler.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/support/PropertyComparator.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/parsing/ParseState.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/annotation/Configurable.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/ListableBeanFactory.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/FieldRetrievingFactoryBean.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/annotation/AnnotatedBeanDefinition.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/parsing/ImportDefinition.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/AbstractFactoryBean.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/propertyeditors/CurrencyEditor.java
*/opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/propertyeditors/FileEditor.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/NotReadablePropertyException.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/annotation/AnnotationBeanUtils.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/BeanDefinition.java
*/opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/BeanCreationException.java
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jar/org/springframework/beans/factory/support/ManagedMap.java
*/opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/config/ObjectFactoryCreatingFactoryBean.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/access/SingletonBeanFactoryLocator.java
*/opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/BeanMetadataAttribute.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/propertyeditors/PropertiesEditor.java
*/opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/factory/SmartFactoryBean.java
* /opt/cola/permits/1135863686_1613617928.48/0/spring-beans-3-2-17-release-sources-2-
jar/org/springframework/beans/TypeMismatchException.java
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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2-

jar/org/springframework/beans/Mergeable.java

\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/BeanReferenceFactoryBean.java No license file was found, but licenses were detected in source scan.

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\* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/config/DependencyDescriptor.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/BeanInfoFactory.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/SimpleTypeConverter.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/NoUniqueBeanDefinitionException.java \*/opt/cola/permits/1135863686 1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/RootBeanDefinition.java \* /opt/cola/permits/1135863686\_1613617928.48/0/spring-beans-3-2-17-release-sources-2jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java

## 1.43 vertx-jwt 3.7.1

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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/ReferenceCountedOpenSslServerContext.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/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-sourcesjar/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-sourcesjar/io/netty/handler/ssl/OpenSslKeyMaterialManager.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/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-sourcesjar/io/netty/handler/ssl/JdkAlpnSslUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/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-sourcesjar/io/netty/handler/ssl/ConscryptAlpnSslEngine.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

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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/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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\* /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

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/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

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-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-sourcesjar/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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\* /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/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-sourcesjar/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

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkNpnApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/io/netty/handler/ssl/ApplicationProtocolUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-

jar/io/netty/handler/ipfilter/IpFilterRule.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/SslUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sourcesjar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/OpenSsl.java

\* /opt/ws\_local/PERMITS\_SQL/1072948687\_1595240769.66/0/netty-handler-4-1-51-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java

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:toc:
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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> 1963, 1964, 1965 Jane Doe 2018 Joe Blow, John Coe 1977, 1985 Someone else </body> </html> <!-- Copyright 2018 Paul Fultz II Distributed under the Boost Software License, Version 1.0. (http://www.boost.org/LICENSE\_1\_0.txt) -->

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```
<!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>
```

< copyrights

- <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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# 1.48 alpine-baselayout 3.2.0-r8

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3.1, 31 March 2009

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/ConstraintViolationException.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/ConstraintValidatorFactory.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/metadata/BeanDescriptor.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/constraints/DecimalMax.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/groups/package-info.java

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jar/javax/validation/Validator.java

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jar/javax/validation/constraints/DecimalMin.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/Path.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-

jar/javax/validation/MessageInterpolator.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-

jar/javax/validation/ConstraintValidatorContext.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/metadata/ConstraintDescriptor.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/GroupDefinitionException.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/ConstraintDeclarationException.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/Validation.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/constraints/AssertFalse.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/TraversableResolver.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/constraints/Future.java

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jar/javax/validation/groups/Default.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/bootstrap/GenericBootstrap.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Digits.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-jar/javax/validation/constraints/Past.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sources-

jar/javax/validation/constraints/Max.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/constraints/Pattern.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/ValidationProviderResolver.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/metadata/Scope.java

\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/metadata/PropertyDescriptor.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/constraints/NotNull.java

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\* /opt/cola/permits/1005661449\_1651084993.5/0/validation-api-1-1-0-final-sourcesjar/javax/validation/ParameterNameProvider.java

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jar/javax/validation/GroupSequence.java

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# 1.52 json-schema-validator 1.0.4

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jar/org/mozilla/javascript/CodeGenerator.java

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jar/org/mozilla/javascript/ObjToIntMap.java

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jar/org/mozilla/javascript/NativeJavaArray.java

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jar/org/mozilla/javascript/MemberBox.java

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jar/org/mozilla/javascript/ast/ExpressionStatement.java

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jar/org/mozilla/javascript/ast/RegExpLiteral.java

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jar/org/mozilla/javascript/ClassShutter.java

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jar/org/mozilla/javascript/optimizer/Codegen.java

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jar/org/mozilla/javascript/ast/ArrayComprehension.java

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jar/org/mozilla/javascript/ast/ContinueStatement.java

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jar/org/mozilla/javascript/ast/ObjectProperty.java

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jar/org/mozilla/javascript/ast/NodeVisitor.java

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jar/org/mozilla/javascript/ast/ParseProblem.java
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jar/org/mozilla/javascript/ast/XmlExpression.java

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jar/org/mozilla/javascript/regexp/NativeRegExpCtor.java

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jar/org/mozilla/javascript/tools/shell/QuitAction.java

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jar/org/mozilla/javascript/tools/shell/JavaPolicySecurity.java

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jar/org/mozilla/javascript/ast/XmlPropRef.java

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jar/org/mozilla/javascript/xmlimpl/QName.java

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jar/org/mozilla/javascript/RefCallable.java
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jar/org/mozilla/javascript/ast/FunctionNode.java

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

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jar/org/mozilla/javascript/ast/Parenthesized Expression. java

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jar/org/mozilla/javascript/ast/TryStatement.java

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jar/org/mozilla/javascript/NativeContinuation.java

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jar/org/mozilla/javascript/xmlimpl/XMLObjectImpl.java

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jar/org/mozilla/javascript/ConstProperties.java

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jar/org/mozilla/javascript/regexp/SubString.java

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jar/org/mozilla/javascript/ast/ElementGet.java

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jar/org/mozilla/javascript/GeneratedClassLoader.java

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jar/org/mozilla/javascript/NativeArray.java

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jar/org/mozilla/javascript/NativeFunction.java

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jar/org/mozilla/javascript/ErrorReporter.java

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jar/org/mozilla/javascript/v8dtoa/FastDtoaBuilder.java

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jar/org/mozilla/javascript/xmlimpl/XMLWithScope.java

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jar/org/mozilla/javascript/jdk15/VMBridge\_jdk15.java

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jar/org/mozilla/javascript/ast/DestructuringForm.java

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jar/org/mozilla/javascript/NativeString.java

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jar/org/mozilla/javascript/JavaScriptException.java

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jar/org/mozilla/javascript/debug/Debugger.java

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\* /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.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javascript/Ast/Label.javas$ 

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

\* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/ast/ObjectLiteral.java

\* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/NativeJavaPackage.java

\* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1-

jar/org/mozilla/javascript/ast/NewExpression.java

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

\* /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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/\*\*

\* This is 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.

\*

\* 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.

\* @author Steve Yegge

\*/

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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-1jar/org/mozilla/javascript/tools/idswitch/CodePrinter.java

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

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

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#### /\*

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

\*

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/\*

\* 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...
- \*/

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\* TreeTableModel.java

\*

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// throws a special exception. This ensures execution of all pending

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```
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/JSFunction.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/JSStaticFunction.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/JSConstructor.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/JSGetter.java \* /opt/cola/permits/1102931473 1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/tools/jsc/Main.java \* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/commonjs/module/Require.java \* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/commonjs/module/provider/UrlConnectionExpiryCalculator.java \* /opt/cola/permits/1102931473 1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/xmlimpl/XmlNode.java \* /opt/cola/permits/1102931473 1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProviderBase.java \* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/commonjs/module/provider/CachingModuleScriptProviderBase.java \* /opt/cola/permits/1102931473\_1605532113.64/0/rhino-1-7r4-sources-1jar/org/mozilla/javascript/tools/SourceReader.java No license file was found, but licenses were detected in source scan.

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## 1.56 busybox 1.31.1-r19

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## 1.58 tre 0.8.0

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

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tre-python.c - TRE Python language bindings

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# 1.59 simpleclient-common 0.5.0

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# 1.64 spring-expression 4.3.18.RELEASE

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```
* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/standard/Tokenizer.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/CodeFlow.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/EvaluationContext.java
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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/SpelEvaluationException.java
```

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* /opt/cola/permits/1136700930_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/support/DataBindingPropertyAccessor.java
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* / opt/cola/permits/1136700930\_1613864810.47/0 / spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/FunctionReference.java
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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/ValueRef.java

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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/BeanResolver.java

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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/AccessException.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/Elvis.java

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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-

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jar/org/springframework/expression/ConstructorResolver.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/Operation.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/MethodResolver.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/TypeLocator.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/TypeComparator.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/TypeConverter.java

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\*/

Found in path(s):

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/standard/TokenKind.java

 $* / opt/cola/permits/1136700930\_1613864810.47 / 0 / spring-expression-4-3-18 - release-sources-2-jar/org/springframework/expression/spel/ast/BooleanLiteral.java$ 

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/FloatLiteral.java

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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/OpEQ.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/LongLiteral.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/ParseException.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/spel/ast/IntLiteral.java

\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/ExpressionException.java

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\* /opt/cola/permits/1136700930\_1613864810.47/0/spring-expression-4-3-18-release-sources-2-jar/org/springframework/expression/EvaluationException.java

## 1.65 swagger-parser-v2-converter 2.0.11

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jar/io/vertx/ext/stomp/BridgeOptions.java

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# 1.72 annotations 3.0.1

# 1.73 xwd 1.0.7

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\* /opt/cola/permits/1003993603\_1651084856.54/0/antlr4-runtime-4-7-2-sourcesjar/org/antlr/v4/runtime/tree/ParseTreeWalker.java

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# 1.76 iconv 2.32

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## 1.77 commons-cli 1.2

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# 1.78 swagger-annotations 1.5.22

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```
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```

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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 "";
}
```

# 1.79 mvel2 2.3.1.Final

## 1.79.1 Available under license :

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

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\*/ /\*\*

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

Found in path(s):

```
* /opt/cola/permits/1136635912_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/util/Textifier.java
```

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/util/CheckClassAdapter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/tree/LineNumberNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/commons/Method.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/commons/InstructionAdapter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/tree/LookupSwitchInsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/commons/StaticInitMerger.java

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jar/org/mvel2/asm/tree/InsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/Handler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/commons/Remapper.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/analysis/BasicVerifier.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/analysis/SourceInterpreter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/TypeAnnotationNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/util/CheckSignatureAdapter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/analysis/AnalyzerException.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/LabelNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/analysis/Frame.java

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jar/org/mvel2/asm/tree/FrameNode.java

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jar/org/mvel2/asm/commons/RemappingAnnotationAdapter.java

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jar/org/mvel2/asm/commons/RemappingClassAdapter.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/util/TraceMethodVisitor.java

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jar/org/mvel2/asm/commons/RemappingFieldAdapter.java

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jar/org/mvel2/asm/ClassReader.java

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jar/org/mvel2/asm/commons/RemappingSignatureAdapter.java

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jar/org/mvel2/asm/tree/analysis/Subroutine.java

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jar/org/mvel2/asm/tree/MethodNode.java

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jar/org/mvel2/asm/commons/CodeSizeEvaluator.java

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jar/org/mvel2/asm/util/ASMifier.java

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jar/org/mvel2/asm/tree/FieldNode.java

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jar/org/mvel2/asm/commons/TryCatchBlockSorter.java

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jar/org/mvel2/asm/commons/SimpleRemapper.java

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jar/org/mvel2/asm/tree/InnerClassNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/AnnotationVisitor.java

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jar/org/mvel2/asm/tree/analysis/BasicInterpreter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/commons/SerialVersionUIDAdder.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/commons/TableSwitchGenerator.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/commons/AdviceAdapter.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/AnnotationNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/FieldInsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/util/TraceSignatureVisitor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/Attribute.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/AnnotationWriter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/InsnList.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/Context.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/Handle.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/util/TraceFieldVisitor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/tree/AbstractInsnNode.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/analysis/Interpreter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/MethodInsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/analysis/SourceValue.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/LocalVariableNode.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/TryCatchBlockNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/util/CheckFieldAdapter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/Edge.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/MultiANewArrayInsnNode.java

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jar/org/mvel2/asm/tree/TableSwitchInsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/tree/JumpInsnNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/analysis/SimpleVerifier.java
\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/InvokeDynamicInsnNode.java
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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/xml/ASMContentHandler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/xml/SAXCodeAdapter.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/xml/SAXAdapter.java \* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/xml/SAXClassAdapter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/xml/Processor.java

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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[]) }

\* 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/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/commons/JSRInlinerAdapter.java No license file was found, but licenses were detected in source scan.

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jar/org/mvel2/optimizers/impl/refl/nodes/BaseAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/impl/refl/nodes/FieldAccessorNH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/impl/refl/nodes/IndexedCharSeqAccessorNest.java

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jar/org/mvel2/asm/util/Textifiable.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/util/ASMifiable.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/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/asm/tree/ClassNode.java

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### Found in path(s):

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/MVEL.java No license file was found, but licenses were detected in source scan.

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- \*/

/\*\*

\* Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this

\* constructor</i>. Instead, they must use the

- \* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String) }
- \* version.
- \*
- \* @param mv
- \* the method visitor to which this adapter delegates calls.
- \* @param access
- \* the method's access flags (see {@link Opcodes}).
- \* @param name
- \* the method's name.
- \* @param desc
- \* the method's descriptor (see {@link Type Type}).
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

### Found in path(s):

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/commons/GeneratorAdapter.java No license file was found, but licenses were detected in source scan.

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```
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```

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\*/

```
/**
```

- \* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
- \* constructor</i>. Instead, they must use the
- \* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
- \* version.
- \*
- \* @param owner
- \* the owner's class name.
- \* @param access
- \* the method's access flags (see {@link Opcodes}).
- \* @param name
- \* the method's name.
- \* @param desc
- \* the method's descriptor (see {@link Type Type}).
- \* @param mv
- \* the method visitor to which this adapter delegates calls. May
- \* be <tt>null</tt>.
- \* @throws IllegalStateException
- \* If a subclass calls this constructor.
- \*/

Found in path(s):

```
* /opt/cola/permits/1136635912_1613819065.78/0/mvel2-2-3-1-final-sources-2-
```

jar/org/mvel2/asm/commons/AnalyzerAdapter.java

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1136635912_1613819065.78/0/mvel2-2-3-1-final-sources-2-
```

jar/org/mvel2/integration/impl/FunctionVariableResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/PostFixIncNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/StringCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/And.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/TextNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/CompileException.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/OptimizationFailure.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateRuntimeError.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicCollectionAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/ast/StaticImportNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ParserConfiguration.java

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jar/org/mvel2/compiler/EndWithValue.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CompiledNamedIncludeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/Fold.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/sh/CommandException.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/LineLabel.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/ProtoVarNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/InlineCollectionNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/MVELRuntime.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/CharCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/CharArrayCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/IndexedDeclTypedVarNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/ExecutableStatement.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/impl/refl/ReflectiveAccessorOptimizer.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/util/StackElement.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/BinaryOperation.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/file/ChangeWorkingDir.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/CompiledEvalNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/optimizers/OptimizerHook.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/impl/asm/ASMAccessorOptimizer.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/conversion/PrimIntArrayCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/BaseVariableResolverFactory.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/ListCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/VariableResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/ExecutableAccessorSafe.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/ArrayTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/LocalVariableResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/impl/asm/ProducesBytecode.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/Substatement. java = 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.000 + 0.0000 + 0.000 + 0.000 +$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/PostFixDecNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/AccessorOptimizer.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0/mvel 2-2-3-1-final-sources-2-1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000$ 

jar/org/mvel2/conversion/ArrayHandler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/basic/Set.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/LiteralDeepPropertyNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/IndexedPreFixDecNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/EvalNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/impl/MapVariableResolver.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/impl/MapVariableResolverFactory.java

jar/org/mvel2/compiler/BlankLiteral.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/CompiledTemplate.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/PropertyHandlerFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/conversion/ArrayCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/NewObjectNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/EndNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/math/MathProcessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/DoubleCH.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/AssertNode. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.0$ 

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* /opt/cola/permits/1136635912_1613819065.78/0/mvel2-2-3-1-final-sources-2-
```

jar/org/mvel2/compiler/CompiledAccExpression.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/TerminalNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/util/JITClassLoader.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/Assignment. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.0$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/ItemResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/DoNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/util/CompilerTools.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/IndexedPostFixDecNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/ReflectionUtil.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/compiler/Accessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/DefaultEnvironment.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/impl/TypeInjectionResolverFactoryImpl.java

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel 2-2-3-1-final-sources-2-1613819065.78/0 / mvel 2-2-3-1613819065.78/0 / mvel 2-2-3-1000 / mvel 2-2-3-10000 / mvel 2-2-3-1000 / mvel 2-2-3-1000 / mvel 2-2-3-1000 / mvel 2$ 

jar/org/mvel2/templates/SimpleTemplateRegistry.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/BooleanCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/CompiledCodeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/DeclProtoVarNode.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2/ast / If Node. java = 0.000 / mvel 2-2-3-1 - final-sources-2-jar / org / mvel 2-3-1 - final-sources-2-jar / org /$ 

jar/org/mvel2/util/StringAppender.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CompiledTerminalExpressionNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/DoUntilNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateDebug.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/OptimizationNotSupported.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/util/MVELClassLoader.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/CachingMapVariableResolverFactory. java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/MVELInterpretedRuntime.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/RegExMatch. java = 0.000 / mvel 2/ast/RegE$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/PropertyAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/Node.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/StaticMethodImportResolver.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/text/TextUtil.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ConversionException.java

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2/ast/ForNode.java = 0.000 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1$ 

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2/ast/Contains.java = 0.000 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sou$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/ImmutableDefaultFactory.java

jar/org/mvel2/ast/TypeDescriptor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/sh/command/file/DirList.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/StringArrayCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/IfNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/Function.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/UnitConversion.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/MacroProcessor.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0/mvel 2-2-3-1-final-sources-2-jar/org/mvel 2/Unit.java$ 

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2/sh/Shell Session. java = 1.000 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-jar/org/mvel 2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sourc$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/ClassImportResolverFactory.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/LiteralNode. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/UnresolveablePropertyException.java

jar/org/mvel2/conversion/ShortCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/TypeCast.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateRuntime.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/Safe.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/ParseTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/ForEachNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/compiler/PropertyVerifier.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-2-3-1 - final-sources-2-3-1 - final-sources-2-3$ 

jar/org/mvel2/debug/DebugTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CompiledIfNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/ast/IndexedOperativeAssign.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/basic/Exit.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/templates/res/ExpressionNode.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/DeclareNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/TerminalExpressionNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/IndexedPostFixIncNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CompiledForEachNode.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2 / util/ThisLiteral.java = 0.000 / mvel 2 / util/ThisLiteral.$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/OptimizerFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel 2/integration/impl/DefaultLocalVariableResolverFactory. java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/ASTIterator.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/Converter.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CompiledDeclareNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/FastList.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicOptimizer.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/Main.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicClassLoader.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/IntegerCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicSetAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/file/PrintWorkingDirectory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/NestedStatement.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/PropertyHandler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/ExecutableLiteral.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/compiler/ExpressionCompiler.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/util/ArrayIterator.java

- $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 final-sources-2-jar/org/mvel 2 / DataConversion. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0$
- \* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/sh/command/basic/ObjectInspector.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/AbstractParser.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/AssignmentNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateError.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/BigDecimalCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/debug/Frame.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/ForEachNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/IndexedAssignmentNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/WhileNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/NamedIncludeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateRegistry.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2 / Parser Context. java = 0.000 / mvel 2 - 0.0000 / mvel 2 - 0$ 

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/UntilNode. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.0000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.0$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/ByteCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/ImportNode.java \* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/TypedVarNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/ResolverTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/ExecutableAccessor.java

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel 2-2-3-1-final-sources-2-jar/org/mvel 2/ast/Invert.java = 0.000 / mvel 2-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-final-sources-2-3-1-f$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/FloatCH.java

jar/org/mvel2/sh/command/basic/BasicCommandSet.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/PropertyAccessException.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/DeepAssignmentNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/integration/impl/StaticMethodImportResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/basic/PushContext.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/IncludeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/conversion/LongCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/EndOfStatement.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/impl/SimpleValueResolver.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/CompiledIncludeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/InternalNumber.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/command/basic/ShowVars.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/ASTLinkedList.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/CommentNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/IndexedPreFixIncNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/OperatorNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/RegExMatchNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ImmutableElementException.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/TemplateCompiler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/ThisWithNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/util/TemplateTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/integration/VariableResolver.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/templates/res/CompiledExpressionNode.java

 $* / opt/cola/permits/1136635912\_1613819065.78/0 / mvel2-2-3-1-final-sources-2-jar/org/mvel2/Operator.java$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/sh/command/file/FileCommandSet.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/Opcodes.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/conversion/BigIntegerCH.java

\*/opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/Interceptor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/PreProcessor.java

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jar/org/mvel2/util/PropertyTools.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/dynamic/DynamicGetAccessor.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/TypeInjectionResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/sh/CommandSet.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/ObjectCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/TemplateSyntaxError.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/templates/res/CodeNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/debug/DebuggerContext.java

 $* / opt/cola/permits/1136635912\_1613819065.78 / 0 / mvel 2-2-3-1 - final-sources-2-jar/org/mvel 2/ast/IsDef. java = 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 / 0.000 /$ 

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/Or.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/DeclTypedVarNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/MethodStub.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/optimizers/AbstractOptimizer.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/sh/command/basic/Help.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/SimpleSTValueResolver.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/SetCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/util/Stack.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/Union.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/conversion/IntArrayCH.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/CompiledExpression.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/compiler/AccessorNode.java

jar/org/mvel2/util/CollectionParser.java

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/InterceptorWrapper.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/PreFixDecNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ast/OperativeAssign.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/Macro.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ast/BlockNode.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/integration/impl/IndexedVariableResolverFactory.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/util/ExecutionStack.java

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

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\*/

Found in path(s):

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/ErrorDetail.java \* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/ConversionHandler.java

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-jar/org/mvel2/DataTypes.java No license file was found, but licenses were detected in source scan.

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```
*/
```

/\*\*

- \* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
- \* not use this constructor</i>. Instead, they must use the
- \* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
- \* version.
- \*
- \* @param typeRef
- \* a reference to the annotated type. See {@link TypeReference}.
- \* @param typePath
- \* the path to the annotated type argument, wildcard bound, array
- \* element type, or static inner type within 'typeRef'. May be
- \* <tt>null</tt> if the annotation targets 'typeRef' as a whole.
- \* @param start
- \* the fist instructions corresponding to the continuous ranges
- \* that make the scope of this local variable (inclusive).
- \* @param end
- \* the last instructions corresponding to the continuous ranges
- \* that make the scope of this local variable (exclusive). This
- \* array must have the same size as the 'start' array.
- \* @param index
- \* the local variable's index in each range. This array must have
- \* the same size as the 'start' array.
- \* @param desc
- \* the class descriptor of the annotation class.
- \*/

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2jar/org/mvel2/asm/tree/LocalVariableAnnotationNode.java No license file was found, but licenses were detected in source scan.

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\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

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jar/org/mvel2/asm/commons/package.html

\* /opt/cola/permits/1136635912\_1613819065.78/0/mvel2-2-3-1-final-sources-2-

jar/org/mvel2/asm/attrs/package.html

# 1.80 jctools-core 3.0.0

## 1.80.1 Available under license :

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

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</repository>

</distributionManagement>

<url>https://github.com/JCTools</url></url>ainceptionYear>2013</inceptionYear>

licenses>

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<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>

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<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/jctoolscore/pom.xml No license file was found, but licenses were detected in source scan.

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;vers ion="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",or g.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

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\* /opt/ws\_local/PERMITS\_SQL/1072411888\_1594999339.26/0/netty-codec-http-4-1-51-final-sourcesjar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1072411888\_1594999339.26/0/netty-codec-http-4-1-51-final-sourcesjar/io/netty/handler/codec/http/DefaultHttpMessage.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/PingWebSocketFrame.java

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## 1.85 glibc 2.32-r0

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# 1.88 libjpeg 6b

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README for release 6b of 27-Mar-1998

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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:

OVERVIEWGeneral description of JPEG and the IJG software.LEGAL ISSUESCopyright, lack of warranty, terms of distribution.REFERENCESWhere to learn more about JPEG.ARCHIVE LOCATIONSWhere to find newer versions of this software.RELATED SOFTWAREOther stuff you should get.FILE FORMAT WARSSoftware \*not\* to get.TO DOPlans 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.cSample code for calling the JPEG library.structure.docOverview of the JPEG library's internal structure.filelist.docRoad map of IJG files.coderules.docCoding style rules --- please read if you contribute code.

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

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

#### OVERVIEW

#### \_\_\_\_\_

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

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

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

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

processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

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

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

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#### REFERENCES

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

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

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

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

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7%

shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

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

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from: Literature Department C-Cube Microsystems, Inc. 1778 McCarthy Blvd. Milpitas, CA 95035 phone (408) 944-6300, fax (408) 944-6314 A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

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

#### ARCHIVE LOCATIONS

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

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

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

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#### RELATED SOFTWARE

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

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

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

#### FILE FORMAT WARS

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

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

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

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

#### TO DO

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

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

As always, speeding things up is of great interest.

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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/protobuf/ProtobufDecoder.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/JdkZlibDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1072948336\_1595240763.12/0/netty-codec-4-1-51-final-sources-

jar/io/netty/handler/codec/xml/XmlFrameDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1072948336\_1595240763.12/0/netty-codec-4-1-51-final-sourcesjar/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.

\*

\* {@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.
* 
* <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" |
* +-----+ +----+
* 
*
* <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.
* 
* 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" |
* +-----+ +-----+
* 
* <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.
* 
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment </b> = <math><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" |
* +-----+
* 
* < h3 > 3 bytes length field at the end of 5 bytes header, do not strip header </h3 > 3
*
* 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.
* 
* <b>lengthFieldOffset</b> = <math><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" |
* 
*
* <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.
* 
* 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" |
* +-----+
* 
*
* < 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>.
* 
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment </b> = <math><b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip </b> = <math><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" |
* +-----+ +-----+
* 
*
* <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.
* 
* 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" |
* +----+
* 
* @see LengthFieldPrepender
```

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1072948336\_1595240763.12/0/netty-codec-4-1-51-final-sourcesjar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java No license file was found, but licenses were detected in source scan.

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\* Enumeration of supported Base64 dialects.

\*

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\* Base64 Encoder/Decoder</a>.

```
*/
```

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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/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

\* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.

\*

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## 1.92 vertx-service-discovery 3.7.1

# 1.93 ignite-slf4j 2.7.5

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// ----// List of ignite-slf4j module's dependencies provided as a part of this distribution.

// -----

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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/socks/SocksSubnegotiationVersion.java

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

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-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

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksCmdType.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksResponseType.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/SocksMessageType.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-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-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

 $* / opt/ws_local/PERMITS_SQL/1077639554_1597066895.65/0 / netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandStatus.java$ 

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

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-

jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.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/Socks5AddressType.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/SocksVersion.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/Socks5PasswordAuthStatus.java

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INF/maven/io.netty/netty-codec-socks/pom.xml

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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/v5/Socks5InitialRequestDecoder.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/Socks5CommandResponseDecoder.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/Socks4Message.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/Socks5Message.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socksx/AbstractSocksMessage.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/AbstractSocks5Message.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/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/socksx/v5/Socks5InitialResponseDecoder.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/v5/Socks5PasswordAuthResponseDecoder.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/Socks4ClientEncoder.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/SocksPortUnificationServerHandler.java

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jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.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/socks/SocksInitRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sourcesjar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1077639554\_1597066895.65/0/netty-codec-socks-4-1-51-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksRequest.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/DefaultSocks5InitialResponse.java

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

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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/socks/SocksCmdRequestDecoder.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/DefaultSocks4CommandResponse.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/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

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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/socks/Socks/CmdResponse.java

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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/ReflectionException.java

\* /opt/cola/permits/1000760427\_1646171560.45/0/jopt-simple-5-0-3-sources-

jar/jopt simple/internal/ConstructorInvokingValueConverter.java

 $* / opt/cola/permits/1000760427\_1646171560.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0$ 

jar/jopt simple/internal/MethodInvokingValueConverter.java

 $* / opt/cola/permits/1000760427\_1646171560.45/0/jopt-simple-5-0-3-sources-$ 

jar/joptsimple/AlternativeLongOptionSpec.java

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jar/joptsimple/internal/OptionNameMap.java

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\* /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

 $* / opt/cola/permits/1000760427\_1646171560.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30$ 

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

 $* / opt/cola/permits/1000760427\_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Rows.java$ 

 $* / opt/cola/permits/1000760427\_1646171560.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-3-sources-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0-30/0 / jopt-simple-5-0.45/0 / jopt-simple-5-0-30$ 

jar/jopt simple/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

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jar/joptsimple/MissingRequiredOptionsException.java

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

 $* / opt/cola/permits/1000760427\_1646171560.45/0/jopt-simple-5-0-3-sources-jar/joptsimple/internal/Row.java$ 

\* /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

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jar/joptsimple/UnavailableOptionException.java

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jar/com/beust/jcommander/converters/DoubleConverter.java

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jar/com/beust/jcommander/ResourceBundle.java

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\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogConfigurationException.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Log4JLogger.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/LogFactoryImpl.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk13LumberjackLogger.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/SimpleLog.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/Jdk14Logger.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/LogSource.java

\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-

```
jar/org/apache/commons/logging/impl/NoOpLog.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/impl/LogKitLogger.java
* /opt/cola/permits/1135840457_1613613080.13/0/commons-logging-1-1-sources-9-
jar/org/apache/commons/logging/Log.java
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\* /opt/cola/permits/1135840457\_1613613080.13/0/commons-logging-1-1-sources-9-jar/org/apache/commons/logging/impl/ServletContextCleaner.java

# 1.104 vertx-ignite 3.7.1

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\*/opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/io/netty/buffer/PoolSubpageMetric.java

\*/opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java

\*/opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/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

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\* /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-sourcesjar/io/netty/buffer/search/KmpSearchProcessorFactory.java No license file was found, but licenses were detected in source scan.

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\* /opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/ByteBufAllocatorMetric.java

\* /opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sources-jar/io/netty/buffer/PooledByteBufAllocatorMetric.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

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\* /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-sourcesjar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.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/AbstractUnpooledSlicedByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/io/netty/buffer/PooledDuplicatedByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1072948616\_1595240775.72/0/netty-buffer-4-1-51-final-sourcesjar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java

# 1.108 antlr 4.7.2

# 1.109 netty-codec-dns 4.1.51.Final

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* /opt/ws_local/PERMITS_SQL/1077766258_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java
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jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsPtrRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java

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jar/io/netty/handler/codec/dns/AbstractDnsOptPseudoRrRecord.java

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\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsResponseDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java

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\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsMessageUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DnsMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1077766258\_1597104696.18/0/netty-codec-dns-4-1-51-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java

## 1.110 bcel 6.5.0

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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() {
    StringBuilder sb = new StringBuilder();
    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",
```

```
"dataType": "string",
 "paramType": "query",
 "_id": "5318a13f480b07a76f3b295c",
 "allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13f480b07a76f3b295d",
  "values": [
   "name",
   "modified",
   "-name",
   "-modified"
  1
 },
 "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."
    }
  1
  },
  {
  "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."
    }
  1
  },
  {
  "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": {
  "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"
        1
        },
        "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
},
{
 "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"
         ]
        },
        "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).",

```
"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",

```
"dataType": "string",
"paramType": "query",
"_id": "5318a13f480b07a76f3b2a39",
"allowableValues": {
    "valueType": "LIST",
    "_id": "5318a13f480b07a76f3b2a3a",
    "values": [
    "focDate",
```

```
"onsaleDate",
       "title",
       "issueNumber",
       "modified",
       "-focDate",
       "-onsaleDate",
       "-title",
       "-issueNumber",
       "-modified"
      1
     },
     "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,
  "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",
        "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",
"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",
```

```
"dataType": "string",
 "paramType": "query",
 "_id": "5318a13e480b07a76f3b28e7",
 "allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13e480b07a76f3b28e8",
  "values": [
   "name".
   "startDate",
   "modified",
   "-name",
   "-startDate",
   "-modified"
  1
 },
 "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",
         "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,
  "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
       },
       {
        "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

},

{

"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"
]
},
"allowMultiple": true,
"required": false
```

}, {

```
"name": "orderBy",
```

```
"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,
        "required": false
       }
     ],
     "summary": "Fetches lists of series filtered by a character id."
    }
   1
  },
  {
   "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"
 },
 {
  "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).",

```
"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",
```

```
"dataType": "string",
 "paramType": "query",
 "_id": "5318a13f480b07a76f3b29a5",
 "allowableValues": {
  "valueType": "LIST",
  "_id": "5318a13f480b07a76f3b29a6",
  "values": [
   "id",
   "modified",
   "-id",
   "-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": "5318a13f480b07a76f3b29a3",
     "allowableValues": {
      "min": 1,
      "max": 100,
      "valueType": "RANGE",
      "_id": "5318a13f480b07a76f3b29a4",
      "values": []
     },
     "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"
 },
 {
  "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"
   1
  },
```

```
"allowMultiple": false,
       "required": false
      },
      {
       "name": "formatType",
       "description": "Filter by the issue format type (comic or collection).",
       "dataType": "string",
       "paramType": "query",
       "_id": "5318a13f480b07a76f3b2946",
       "allowableValues": {
         "valueType": "LIST",
         "_id": "5318a13f480b07a76f3b2947",
         "values": [
          "comic",
          "collection"
        1
       },
       "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.",
 "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 commaseparated list of ids).",

"dataType": "int",

```
"paramType": "query",
```

"\_id": "5318a13f480b07a76f3b2937",

"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": "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

},

```
{
```

ids).",

```
"name": "stories",
```

"description": "Return only comics which contain the specified stories (accepts a comma-separated list of

"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",
"_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"
 1
},
"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.
         "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,
        "required": true
      }
     ],
     "summary": "Fetches a single comic by id."
    }
   1
  },
  {
   "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"
 },
 {
  "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).",

```
"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".
        "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
 },
```

```
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```

```
{
 "name": "firstName",
 "description": "Filter by creator first name (e.g. brian).",
 "dataType": "string",
 "paramType": "query",
 "_id": "5318a13f480b07a76f3b29f9",
 "allowMultiple": false,
 "required": false
},
{
 "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 critera (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 critera (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 critera (e.g. Mi).",
        "dataType": "string",
        "paramType": "query",
        "_id": "5318a13f480b07a76f3b29f3",
        "allowMultiple": false,
        "required": false
       },
       {
        "name": "lastNameStartsWith",
        "description": "Filter by creator last names that match critera (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": {
```

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"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.",
  "_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,

"required": false

},

{

```
"name": "creators",
```

"description": "Return only events which feature work by the specified creators (accepts a comma-separated list of ids).",

st of ius).

```
"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
},

{

ids).",

```
"name": "stories",
```

"description": "Return only events which contain the specified stories (accepts a comma-separated list of

"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."
    }
  1
  },
  {
  "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.",
```

```
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```

```
" id": "5318a13e480b07a76f3b2907"
       },
       {
       "code": 409,
        "reason": "Invalid value passed to filter.",
        "_id": "5318a13e480b07a76f3b2906"
       }
     ],
     "parameters": [
       {
        "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",
```

"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": [
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   "modified",
   "-id",
   "-modified"
  1
 },
 "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",
     "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,
  "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",
 "description": "Filter by creator names that match critera (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 critera (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 critera (e.g. Mi).",
 "dataType": "string",
 "paramType": "query",
 "_id": "5318a13e480b07a76f3b27f2",
 "allowMultiple": false,
 "required": false
},
{
 "name": "lastNameStartsWith",
 "description": "Filter by creator last names that match critera (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",

```
"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".
   "middleName",
   "suffix",
   "modified".
   "-lastName",
   "-firstName",
   "-middleName",
   "-suffix",
   "-modified"
  1
 },
 "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
 },
```

```
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```

```
{
 "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",
```

```
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```

```
"_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",
 "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,
        "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", "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"
     1
     },
     "allowMultiple": true,
     "required": false
   },
   {
     "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",
```

1 }, {

"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"
 },
 {
  "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,
        "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,

"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"
  1
 },
 "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,
       "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",
        "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).",

```
"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
},
{
```

```
"name": "orderBy",
```

```
"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
      }
     ],
     "summary": "Fetches lists of series filtered by a creator id."
    }
  1
  },
  {
  "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,
```

```
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```

```
"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.
        "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",
"\_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",
```

```
"dataType": "string",
 "paramType": "query",
 "_id": "5318a13f480b07a76f3b2a78",
 "allowableValues": {
  "valueType": "LIST",
  " id": "5318a13f480b07a76f3b2a79",
  "values": [
   "id",
   "modified",
   "-id",
   "-modified"
  1
 },
 "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,
     "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",

```
"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."
    }
   1
  },
  {
   "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",
        "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",
```

```
"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,
        "required": false
       }
     ],
     "summary": "Fetches lists of characters filtered by an event id."
    }
   1
  },
  {
   "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"
   1
  },
  "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 commaseparated 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",
```

```
"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 critera (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 critera (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 critera (e.g. Mi).",
        "dataType": "string",
        "paramType": "query",
        "_id": "5318a13f480b07a76f3b2979",
        "allowMultiple": false,
        "required": false
       },
       {
        "name": "lastNameStartsWith",
        "description": "Filter by creator last names that match critera (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",

```
"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"
  1
 },
 "allowMultiple": true,
 "required": false
},
{
```

"name": "orderBy",

```
"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",
```

```
"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."
  }
1
},
"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, "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
},
```

}; {

ids).",

"name": "characters",

"description": "Return only series which feature the specified characters (accepts a comma-separated list of

"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",
 "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"
  1
 },
 "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"
   1
  },
  "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",
        "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"
  1
 },
 "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."
    }
  1
  },
  {
  "path": "/v1/public/series/{seriesId}/comics",
  "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".
 "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",
       "_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",
 "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."
    }
  1
  },
  {
  "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
},
{
 "name": "nameStartsWith",
 "description": "Filter by creator names that match critera (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 critera (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 critera (e.g. Mi).",
 "dataType": "string",
 "paramType": "query",
 "_id": "5318a13e480b07a76f3b2870",
 "allowMultiple": false,
 "required": false
},
{
 "name": "lastNameStartsWith",
 "description": "Filter by creator last names that match critera (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).",

```
"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"
     1
     },
     "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,
       "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"
  1
 },
 "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"
     1
     },
     "allowMultiple": true,
     "required": false
   },
   {
     "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",
```

1 }, {

```
"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"
 },
 {
  "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

},

{

"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": {
   "valueType": "LIST",
   "_id": "5318a13e480b07a76f3b2886",
   "values": [
    "id",
    "modified",
    "-id".
    "-modified"
   1
  },
  "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",
        "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",
```

"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"
  1
 },
 "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,
 "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"
  1
 },
 "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"
  1
 },
 "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
},
{
 "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.",
       "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",
"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",
 "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."
    }
  ]
  },
  {
  "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.",
  "_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
},
{
 "name": "nameStartsWith",
 "description": "Filter by creator names that match critera (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 critera (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 critera (e.g. Mi).",
 "dataType": "string",
 "paramType": "query",
 "_id": "5318a13e480b07a76f3b28d2",
 "allowMultiple": false,
 "required": false
},
{
 "name": "lastNameStartsWith",
 "description": "Filter by creator last names that match critera (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",

"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".
       "-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": [
 {
  "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".
        "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

## 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 s).",

## 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,
         "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"
       },
       {
        "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",
```

```
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```

```
"allowMultiple": true,
        "required": false
       },
       {
        "name": "title",
        "description": "Filter by series title.",
        "dataType": "string",
        "paramType": "query",
        "_id": "5318a13e480b07a76f3b28bb",
        "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": "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

},

{

"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",
        "_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": {
        "code": {
        "type": "CreatorDataContainer",
        "generation",
        "type": "string",
        "type": "string",
        "type": "string",
        "description": "A digest value of the content returned by the call."
    }
}
```

```
"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": {
    "$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": {
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   "description": "A digest value of the content returned by the call."
  }
}
},
"SeriesDataContainer": {
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   "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"
```

```
}
    }
   }
  },
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   "id": "StoryDataContainer",
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     "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"
     }
    }
   }
  },
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   "properties": {
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     "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.",
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"items": {
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      }
     },
     "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": {
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     "description": "A list of issues collected in this comic (will generally be empty for periodical formats such as
\"comic\" or \"magazine\").",
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      }
     },
     "dates": {
      "type": "Array",
      "description": "A list of key dates for this comic.",
      "items": {
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```

```
}
  },
  "prices": {
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   "description": "A list of prices for this comic.",
   "items": {
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   }
  },
  "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."
  }
}
},
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"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-sourcesjar/samples/v1.0/marvel.json

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The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in: analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt, analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and

#### Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java analysis/common/src/java/org/apache/lucene/analysis/s/SpanishLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

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NekoHTML is written using the Xerces Native Interface (XNI) that is the foundation of the Xerces2 implementation. This enables you to use the NekoHTML parser with existing XNI tools without modification or

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## 1.117 vertx-micrometer-metrics 3.7.1

## 1.118 cache-api 1.0.0

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