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1.3 commons-logging 1.1.3

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1.4 jboss-logging 3.3.0.Final

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1.8 joda-time v2.10.2

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1.10 cglib 2.2

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* /cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackHelper.java

* /cglib-2-2-sources-jar/net/sf/cglib/core/RejectModifierPredicate.java

* /cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinEverythingEmitter.java

* /cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassFilterTransformer.java

*

/*cglib-2-2-sources-jar/net/sf/cglib/core/ClassInfo.java

* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddInitTransformer.java

* /cglib-2-2-sources-jar/net/sf/cglib/core/MethodInfoTransformer.java

* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AbstractInterceptFieldCallback.java

* /cglib-2-2-sources-jar/net/sf/cglib/core/MethodInfo.java

* /cglib-2-2-sources-jar/net/sf/cglib/proxy/InterfaceMaker.java

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- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/UndeclaredThrowableException.java
- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodInterceptor.java
- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/Factory.java

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Found in path(s):

- * /cglib-2-2-sources-jar/net/sf/cglib/core/TypeUtils.java
- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/Mixin.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/CodeEmitter.java

```

* /cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassLoader.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/Proxy.java
*
/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastMethod.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/CollectionUtils.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/DispatcherGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandlerGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/VisibilityPredicate.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/MethodDelegate.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/MethodWrapper.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/AbstractClassGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMap.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/MulticastDelegate.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodProxy.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BeanMapEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackFilter.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/FastClass.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/DebuggingClassWriter.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/CallbackGenerator.java
*
/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerChain.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOpGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassFilterTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/FixedValueGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/ReflectUtils.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddStaticInitTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/FastClassEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/KeyFactory.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBeanEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/MethodInterceptorGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/ImmutableBean.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BeanCopier.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/DefaultNamingPolicy.java
*
/cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/EmitUtils.java
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- * /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassVisitorTee.java
- * /cglib-2-2-sources-jar/net/sf/cglib/util/ParallelSorter.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldTransformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/InvocationHandler.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Signature.java
- *
- /cglib-2-2-sources-jar/net/sf/cglib/proxy/FixedValue.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/GeneratorStrategy.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractProcessTask.java
- * /cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBean.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/MethodVisitorTee.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/CodeGenerationException.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Block.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/FieldProviderTransformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/TinyBitSet.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/TransformingClassLoader.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassEmitterTransformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassReaderGenerator.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/FieldProvider.java
- *
- /cglib-2-2-sources-jar/net/sf/cglib/util/SorterTemplate.java
- * /cglib-2-2-sources-jar/net/sf/cglib/reflect/FastConstructor.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/ClassesKey.java
- * /cglib-2-2-sources-jar/net/sf/cglib/util/ParallelSorterEmitter.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Converter.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/NamingPolicy.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/ClassNameReader.java
- * /cglib-2-2-sources-jar/net/sf/cglib/proxy/Callback.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Local.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/DuplicatesPredicate.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/ProcessSwitchCallback.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Transformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Constants.java
- * /cglib-2-2-sources-jar/net/sf/cglib/core/Customizer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerFactory.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/AbstractClassTransformer.java
- *
- /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddDelegateTransformer.java
- * /cglib-2-2-sources-jar/net/sf/cglib/transform/MethodFilter.java


```

* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/DefaultGeneratorStrategy.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/ProcessArrayCallback.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/FieldVisitorTee.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/MethodFilterTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/ConstructorDelegate.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/NoOp.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/AddPropertyTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableStrategy.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/Dispatcher.java
*
/cglib-2-2-sources-jar/net/sf/cglib/core/Predicate.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/FixedKeySet.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BulkBeanException.java
* /cglib-2-2-sources-jar/net/sf/cglib/beans/BeanGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/MixinBeanEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldEnabled.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformer.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/ObjectSwitchCallback.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassFilter.java
* /cglib-2-2-sources-jar/net/sf/cglib/core/ClassEmitter.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/impl/InterceptFieldCallback.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/AnnotationVisitorTee.java
* /cglib-2-2-sources-jar/net/sf/cglib/reflect/FastMember.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/ProxyRefDispatcher.java
* /cglib-2-2-sources-jar/net/sf/cglib/proxy/LazyLoader.java
*
/cglib-2-2-sources-jar/net/sf/cglib/core/ClassGenerator.java
* /cglib-2-2-sources-jar/net/sf/cglib/util/StringSwitcher.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformerTee.java
* /cglib-2-2-sources-jar/net/sf/cglib/transform/TransformingClassGenerator.java
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1.11 logging 1.1

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```

* /logging-1-1-sources-jar/eu/freme/bsservices/filters/logging/RequestWrapper.java
* /logging-1-1-sources-jar/eu/freme/bsservices/filters/logging/TeePrintWriter.java
*
* /logging-1-1-sources-jar/eu/freme/bsservices/filters/logging/ResponseWrapper.java
* /logging-1-1-sources-jar/eu/freme/bsservices/filters/logging/LoggingFilter.java

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1.12 javassist 3.20.0-GA

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```

* /javassist-3-20-0-ga-sources-jar/javassist/convert/Transformer.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/InstanceOfExpr.java
* /javassist-3-20-0-ga-sources-jar/javassist/CtNewNestedClass.java
*
* /javassist-3-20-0-ga-sources-jar/javassist/CtField.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/SyntaxError.java
* /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformNew.java
* /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/SecurityActions.java

```

- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/stackmap/Tracer.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/IntQueue.java
- * /javassist-3-20-0-ga-sources-jar/javassist/expr/MethodCall.java
- * /javassist-3-20-0-ga-sources-jar/javassist/expr/NewArray.java
- * /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformCall.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/NoFieldException.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/ProxyObjectOutputStream.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/CompileError.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/stackmap/TypedBlock.java
- *
- /javassist-3-20-0-ga-sources-jar/javassist/CtNewClass.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/MethodInfo.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationsWriter.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/ProxyFactory.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/CodeAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java
- * /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactory.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/MemberCodeGen.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/SourceFileAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/IntConst.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/EnclosingMethodAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Type.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/CannotReflectException.java
- *
- /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformAccessArrayField.java
- * /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformFieldAccess.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/Descriptor.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/ClassMetaobject.java
- * /javassist-3-20-0-ga-sources-jar/javassist/ClassPoolTail.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/MemberResolver.java
- * /javassist-3-20-0-ga-sources-jar/javassist/ClassPath.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ClassFileWriter.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/Bytecode.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/web/Viewer.java
- * /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/SoftValueHashMap.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/Proxy.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Util.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/JvstTypeChecker.java
- *
- /javassist-3-20-0-ga-sources-jar/javassist/bytecode/AttributeInfo.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ConstPool.java
- * /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/InnerClassesAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/FieldDecl.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/NoSuchClassError.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/stackmap/TypeData.java
- * /javassist-3-20-0-ga-sources-jar/javassist/CtNewWrappedMethod.java

- * /javassist-3-20-0-ga-sources-jar/javassist/expr/Expr.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java
- * /javassist-3-20-0-ga-sources-jar/javassist/CtBehavior.java
- * /javassist-3-20-0-ga-sources-jar/javassist/ByteArrayClassPath.java
- * /javassist-3-20-0-ga-sources-jar/javassist/expr/NewExpr.java
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- *
- /javassist-3-20-0-ga-sources-jar/javassist/ClassMap.java
- * /javassist-3-20-0-ga-sources-jar/javassist/CtNewWrappedConstructor.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/LocalVariableAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/expr/Instanceof.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Frame.java
- * /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/ScopedClassPool.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/FactoryHelper.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/Reflection.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/Symbol.java
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- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/CodeAnalyzer.java
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- /javassist-3-20-0-ga-sources-jar/javassist/bytecode/LocalVariableTypeAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/SymbolTable.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/StackMapTable.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ProceedHandler.java
- * /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformBefore.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/LineNumberAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/CondExpr.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/Dump.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/CannotInvokeException.java
- * /javassist-3-20-0-ga-sources-jar/javassist/SerialVersionUID.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/DeprecatedAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/AccessorMaker.java
- * /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformReadField.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/AppletServer.java
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- /javassist-3-20-0-ga-sources-jar/javassist/compiler/Javac.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/AnnotationsAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/MultiArrayType.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/TokenId.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/ControlFlow.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/ProxyObject.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/Callback.java
- * /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/MethodHandler.java
- * /javassist-3-20-0-ga-sources-jar/javassist/Loader.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ExceptionsAttribute.java
- * /javassist-3-20-0-ga-sources-jar/javassist/ClassPool.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/Metaobject.java

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* /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/SerializedProxy.java
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/javassist-3-20-0-ga-sources-jar/javassist/bytecode/SyntheticAttribute.java
* /javassist-3-20-0-ga-sources-jar/javassist/expr/ConstructorCall.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/Opcode.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/MethodDecl.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/FramePrinter.java
* /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepositoryImpl.java
* /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformWriteField.java
* /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/Proxy.java
* /javassist-3-20-0-ga-sources-jar/javassist/CtMethod.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/Sample.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/CodeIterator.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/Expr.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/InstructionPrinter.java
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* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ExceptionTable.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/web/Webserver.java
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* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/CastExpr.java
* /javassist-3-20-0-ga-sources-jar/javassist/CannotCompileException.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/RemoteRef.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/CannotCreateException.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/JvstCodeGen.java
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* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ByteArray.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/SignatureAttribute.java
* /javassist-3-20-0-ga-sources-jar/javassist/CtMember.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/stackmap/TypeTag.java
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* /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/StubGenerator.java
* /javassist-3-20-0-ga-sources-jar/javassist/convert/TransformNewClass.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/Lex.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/framedump.java
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* /javassist-3-20-0-ga-sources-jar/javassist/CtClass.java
* /javassist-3-20-0-ga-sources-jar/javassist/runtime/Desc.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationImpl.java
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/javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Subroutine.java
* /javassist-3-20-0-ga-sources-jar/javassist/LoaderClassPath.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/analysis/Executor.java
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* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/FieldInfo.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/ArrayInit.java
* /javassist-3-20-0-ga-sources-jar/javassist/expr/Handler.java
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/javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/Metalevel.java
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* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/DoubleConst.java
* /javassist-3-20-0-ga-sources-jar/javassist/CodeConverter.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/stackmap/MapMaker.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/CodeGen.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ParameterAnnotationsAttribute.java
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/javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/CallExpr.java
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* /javassist-3-20-0-ga-sources-jar/javassist/compiler/TypeChecker.java
* /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/NewExpr.java
* /javassist-3-20-0-ga-sources-jar/javassist/bytecode/BadBytecode.java
* /javassist-3-20-0-ga-sources-jar/javassist/util/proxy/MethodFilter.java
* /javassist-3-20-0-ga-sources-jar/javassist/CtNewConstructor.java
* /javassist-3-20-0-ga-sources-jar/javassist/tools/rmi/ObjectImporter.java
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/javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/AssignExpr.java
* /javassist-3-20-0-ga-sources-jar/javassist/expr/ExprEditor.java
* /javassist-3-20-0-ga-sources-jar/javassist/Translator.java

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- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/ByteStream.java
- * /javassist-3-20-0-ga-sources-jar/javassist/expr/FieldAccess.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/web/BadHttpRequest.java
- * /javassist-3-20-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolRepository.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/Variable.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/Loader.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/KeywordTable.java
- * /javassist-3-20-0-ga-sources-jar/javassist/tools/reflect/Sample.java
- * /javassist-3-20-0-ga-sources-jar/javassist/CtClassType.java
- * /javassist-3-20-0-ga-sources-jar/javassist/compiler/ast/Member.java

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- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java
- * /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java
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 - /javassist-3-20-0-ga-sources-jar/javassist/bytecode/annotation/Annotation.java
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1.13 apache-commons-validator 1.3.1

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- *
- /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/package.html
- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/routines/package.html
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- *
- /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/EmailValidator.java
- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/routines/CalendarValidator.java
- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/FormSet.java
- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/util/ValidatorUtils.java
- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/routines/AbstractFormatValidator.java
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- * /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/Validator.java
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jar/org/apache/commons/validator/routines/LongValidator.java
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* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/ValidatorAction.java
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/GenericTypeValidator.java
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/ValidatorException.java
*
    /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/routines/DateValidator.java
* /com-springsource-org-apache-commons-validator-1-3-1-sources-jar/org/apache/commons/validator/Form.java
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/GenericValidator.java
No license file was found, but licenses were detected in source scan.

```

```

/*

```

```

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- */

Found in path(s):

```
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateUtilities.js
*
/com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateDate.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateRequired.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateMaxLength.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateFloatRange.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateIntRange.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateMask.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateEmail.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateShort.js
*
/com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateCreditCard.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateByte.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateMinLength.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateFloat.js
* /com-springsource-org-apache-commons-validator-1-3-1-sources-
jar/org/apache/commons/validator/javascript/validateInteger.js
```

1.14 google-gson 2.2.2

1.14.1 Available under license :

Google Gson

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1.15 nimbus-jose-jwt 4.34.2

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```
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 */
```

Found in path(s):

```
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/EncryptionMethod.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/BaseJWSProvider.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/PayloadTransformer.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/JWK.java
*
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/Base64URL.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/MACSigner.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/AssymmetricJWK.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/bc/BouncyCastleProviderSingleton.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWSVerificationKeySelector.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/package-info.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSSigner.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jca/JCAContext.java
```

- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ConstantTimeUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/RestrictedResourceRetriever.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESCBC.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/SignedJWT.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/PBKDF2.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JOSEProcessor.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/X509CertUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWSKeySelector.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/factories/DefaultJWEDecrypterFactory.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSAlgorithm.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDHCryptoProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/JWTClaimsSetTransformer.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSObject.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/util/DateUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/package-info.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDHDecrypter.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESCryptoProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/BigIntegerUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jca/JCAAware.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/DirectCryptoProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JOSEProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/ByteUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JOSEException.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/BadJWSEException.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDHEncrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/AbstractJWKSelectorWithSource.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDSA.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/ResourceRetriever.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/CipherHelper.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/JWKSelector.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/IntegerUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSASSAProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/DefaultJOSEProcessor.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/KeyConverter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/LegacyAESGCM.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/Resource.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/PlainJWT.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/source/ImmutableJWKSet.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/KeyTypeException.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/MACVerifier.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/RSAPKey.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/BadJWTException.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/ClockSkewAware.java

- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/source/ImmutableSecret.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/DeflateHelper.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/bc/package-info.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/Algorithm.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/source/package-info.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEObject.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSASSASigner.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JOSEObject.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ConcatKDF.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/JWTClaimsVerifier.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/package-info.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/PasswordBasedCryptoProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/Base64.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AAD.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/source/RemoteJWKSet.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSAEncrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/JWKMatcher.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/JWTParser.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSVerifier.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/JWTProcessor.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEAlgorithm.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/package-info.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/CriticalHeaderParamsDeferral.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/JWT.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/CommonSEHeader.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/Base64Codec.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDSAProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/source/JWKSource.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AuthenticatedCipherText.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/JWTClaimsSet.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEDecrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/KeyUse.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDSAVerifier.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/JSONObjectUtils.java
- *
- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JOSEProcessorConfiguration.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEEncrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/ArrayUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/JWTProcessorConfiguration.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/JWKMetadata.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JOSEMatcher.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/DirectEncrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/HMAC.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/EncryptedJWT.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/StandardCharset.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWSVerifierFactory.java

```

* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/RemoteKeySourceException.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/CompressionAlgorithm.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/PlainHeader.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSACryptoProvider.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/DefaultJWTClaimsVerifier.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AlgorithmParametersHelper.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSHeader.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWEKeySelector.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/PRFParams.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/CompositeKey.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWSProvider.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/KeyException.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESDecrypter.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JOSEObjectType.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWEDecrypterFactory.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/X509CertChainUtils.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSASSAVerifier.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/ThumbprintUtils.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/PasswordBasedEncrypter.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/AbstractRestrictedResourceRetriever.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/DirectDecrypter.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSA_OAEP.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/PasswordBasedDecrypter.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/LegacyConcatKDF.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSADecrypter.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/KeyLengthException.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSASSA.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/JWEDecryptionKeySelector.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/Header.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/SimpleSecurityContext.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/BadJWEException.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/JWTClaimsSetVerifier.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/package-info.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/Payload.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/package-info.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/AlgorithmFamily.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESKW.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/KeyOperation.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/ConfigurableJOSEProcessor.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/JWKSet.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/BaseJWEProvider.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/MACProvider.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jca/package-info.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSA1_5.java

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* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/CriticalHeaderParamsAware.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDSASigner.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/Requirement.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/DefaultResourceRetriever.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/util/package-info.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/PlainObject.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/ECKey.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/RSA_OAEP_256.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/DeflateUtils.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/ECParameterTable.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/BadJOSEException.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/DateUtils.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/factories/DefaultJWSVerifierFactory.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jca/JCASupport.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jca/JWEJCAContext.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/package-info.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/factories/package-info.java
*
/nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/DefaultJWTProcessor.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AlgorithmSupportMessage.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/OctetSequenceKey.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jwt/proc/ConfigurableJWTProcessor.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/KeyType.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ECDH.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/proc/SecurityContext.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWECryptoParts.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/JWEHeader.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/SecretJWK.java
* /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/KeySourceException.java
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```

Found in path(s):

- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/Container.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESEncrypter.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/ContentCryptoProvider.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESGCMKW.java
- *

- /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/jwk/PasswordLookup.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/IOUtils.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/util/BoundedInputStream.java
- * /nimbus-jose-jwt-4-34-2-sources-3-jar/com/nimbusds/jose/crypto/AESGCM.java

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Found in path(s):

- * /nimbus-jose-jwt-4-34-2-sources-3-jar/META-INF/maven/com.nimbusds/nimbus-jose-jwt/pom.xml

1.16 java-classmate 1.3.0

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

- * Brian Langel

1.17 org.apache.commons.fileupload 1.2.1

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1.19 antlr 2.7.7

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1.20 apache-common-codec 1.9

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`src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java`
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1.21 mp3-spi 1.9.5

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 *
 * JavaZOOM : mp3spi@javazoom.net
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 *
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 */
```

Found in path(s):

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/MpegAudioFormat.java

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```
/*
```

```

* StringableTag.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/
*
* JavaZOOM : mp3spi@javazoom.net
*   http://www.javazoom.net
*
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```

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```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/tag/StringableTag.java
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```

```

/*
* TagParseEvent.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/
*
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```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/tag/TagParseEvent.java
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```

/*
* TagParseListener.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/
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```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/tag/TagParseListener.java
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```

```

/*
* PropertiesContainer.
*
* JavaZOOM : mp3spi@javazoom.net

```



```

*   http://www.javazoom.net
*
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```

Found in path(s):

```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/PropertiesContainer.java
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```

```

/*
*   DecodedMpegAudioInputStream.
*
*   JavaZOOM : mp3spi@javazoom.net
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* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/convert/DecodedMpegAudioInputStream.java
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```
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 * MpegFileFormatType.
 *
 * JavaZOOM : mp3spi@javazoom.net
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```

Found in path(s):

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/file/MpegFileFormatType.java
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```
/*
 * IcyTag.
 *
 * jicys shout : http://sourceforge.net/projects/jicys shout/
 *
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```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/file/tag/IcyTag.java
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```

```

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* MpegEncoding.
*
* JavaZOOM : mp3spi@javazoom.net
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*
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```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/file/MpegEncoding.java
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```

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* IcyListener.
*
* JavaZOOM : mp3spi@javazoom.net
*   http://www.javazoom.net
*
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```

/*
 * MpegAudioFileReader.
 *
 * 10/10/05 : size computation bug fixed in parseID3v2Frames.
 *      RIFF/MP3 header support added.
 *      FLAC and MAC headers throw UnsupportedAudioFileException now.
 *      "mp3.id3tag.publisher" (TPUB/TPB) added.
 *      "mp3.id3tag.orchestra" (TPE2/TP2) added.
 *      "mp3.id3tag.length" (TLEN/TLE) added.
 *
 * 08/15/05 : parseID3v2Frames improved.
 *
 * 12/31/04 : mp3spi.weak system property added to skip controls.
 *
 * 11/29/04 : ID3v2.2, v2.3 & v2.4 support improved.
 *      "mp3.id3tag.composer" (TCOM/TCM) added
 *      "mp3.id3tag.grouping" (TIT1/TT1) added
 *      "mp3.id3tag.disc" (TPA/TPOS) added
 *      "mp3.id3tag.encoded" (TEN/TENC) added
 *      "mp3.id3tag.v2.version" added
 *
 * 11/28/04 : String encoding bug fix in chopSubstring method.
 *
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```

```

/*
* MP3TagParseSupport.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/
*
* JavaZOOM : mp3spi@javazoom.net
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jar/javazoom/spi/mpeg/sampled/file/tag/MP3TagParseSupport.java
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 * MpegAudioFileFormat.
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Found in path(s):

```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/file/tag/MP3Tag.java
No license file was found, but licenses were detected in source scan.

```

```

/*
* MP3MetadataParser.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/
*
* JavaZOOM : mp3spi@javazoom.net
*   http://www.javazoom.net
*
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  Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*-----
*/

```

Found in path(s):

```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/tag/MP3MetadataParser.java
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```

```

/*
* IcyInputStream.
*
* jicyshout : http://sourceforge.net/projects/jicyshout/

```

```

*
* JavaZOOM : mp3spi@javazoom.net
*   http://www.javazoom.net
*
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* 675 Mass Ave, Cambridge, MA 02139, USA.
*-----
*/

```

Found in path(s):

```

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-
jar/javazoom/spi/mpeg/sampled/file/tag/IcyInputStream.java
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```

```

/*
* MpegFormatConversionProvider.
*
* JavaZOOM : mp3spi@javazoom.net
*   http://www.javazoom.net
*
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```


USA.

* -----
*/

Found in path(s):

* /mp3spi-1-9-5-1-sources-jar-zip/mp3spi-1-9-5-1-sources-jar/javazoom/spi/mpeg/sampled/convert/MpegFormatConversionProvider.java

1.22 com.facebook.ads.sdk:facebook-java-ads-sdk 0.4.0

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1.24 open-csv 4.1

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- * /opencsv-4-1-sources-jar/com/opencsv/ResultSetHelperService.java
- * /opencsv-4-1-sources-jar/com/opencsv/CSVReaderBuilder.java
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* /opencsv-4-1-sources-jar/com/opencsv/exceptions/CsvConstraintViolationException.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/CsvBindByPosition.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/CsvCustomBindByPosition.java

*

/opencsv-4-1-sources-jar/com/opencsv/bean/CsvDate.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/package-info.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/opencsvUtils.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/CsvToBeanBuilder.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/BeanFieldPrimitiveTypes.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/AbstractBeanField.java

* /opencsv-4-1-sources-jar/com/opencsv/exceptions/package-info.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/StatefulBeanToCsv.java

* /opencsv-4-1-sources-jar/com/opencsv/exceptions/CsvRequiredFieldEmptyException.java

* /opencsv-4-1-sources-jar/com/opencsv/stream/reader/package-info.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/CsvCustomBindByName.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/customconverter/package-info.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/customconverter/ConvertGermanToBoolean.java

* /opencsv-4-1-sources-jar/com/opencsv/bean/StatefulBeanToCsvBuilder.java

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/opencsv-4-1-sources-jar/com/opencsv/enums/package-info.java

* /opencsv-4-1-sources-jar/com/opencsv/exceptions/CsvBeanIntrospectionException.java

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* /opencsv-4-1-sources-jar/com/opencsv/exceptions/CsvRuntimeException.java

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* @author Glen Smith

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/**

* A very simple CSV parser released under a commercial-friendly license.

* This just implements splitting a single line into fields.

*

* The purpose of the CSVParser is to take a single string and parse it into

* its elements based on the delimiter, quote and escape characters.

*

* The CSVParser has grown organically based on user requests and does

not truly match

- * any current requirements (though it can be configured to match or come close). There
- * is no plans to change this as it will break existing requirements. Consider using
- * the RFC4180Parser for less configurability but closer match to the RFC4180 requirements.
- *
- * @author Glen Smith
- * @author Rainer Pruy
- */

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- * /opencsv-4-1-sources-jar/convertGermanToBoolean.properties
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* /opencsv-4-1-sources-jar/com/opencsv/bean/concurrent/IntolerantThreadPoolExecutor.java
* /opencsv-4-1-sources-jar/com/opencsv/bean/concurrent/OrderedObject.java
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1.25 presto-parser 0.202

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* /presto-parser-0-202-sources-jar/com/facebook/presto/sql/tree/Relation.java
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* /presto-parser-0-202-sources-jar/com/facebook/presto/sql/tree/Except.java
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/presto-parser-0-202-sources-jar/com/facebook/presto/sql/SqlFormatter.java
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- *
- /presto-parser-0-202-sources-jar/com/facebook/presto/sql/tree/Intersect.java
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- * /presto-parser-0-202-sources-jar/com/facebook/presto/sql/TreePrinter.java
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- * /presto-parser-0-202-sources-jar/com/facebook/presto/sql/parser/CaseInsensitiveStream.java
- * /presto-parser-0-202-sources-jar/com/facebook/presto/sql/tree/ShowCreate.java
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/presto-parser-0-202-sources-jar/com/facebook/presto/sql/tree/Unnest.java
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* /presto-parser-0-202-sources-jar/com/facebook/presto/sql/parser/IdentifierSymbol.java

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1.26 hibernate-orm 5.2.10

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This file is part of Hibernate Spatial, an extension to the hibernate ORM solution for spatial (geographic) data.

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

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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1.27 redshiftjdbc 1.2.10.1009

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

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

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1.30 apache-log4j 2.17.1

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- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/UnavailableException.java
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletContextEvent.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletContextAttributeListener.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/Servlet.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/FilterConfig.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletResponseWrapper.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpServletRequestWrapper.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSession.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionContext.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletRequestEvent.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/Cookie.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletOutputStream.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionActivationListener.java
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletContext.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpServletRequest.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionBindingListener.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpUtils.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/FilterChain.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpServletResponse.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionEvent.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionBindingEvent.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpServlet.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/RequestDispatcher.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletResponse.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletRequestWrapper.java
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletConfig.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletRequestAttributeListener.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletRequestAttributeEvent.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletException.java
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- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpSessionAttributeListener.java
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletInputStream.java

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* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ReadListener.java
*
/jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletSecurityElement.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletContainerInitializer.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/annotation/HttpMethodConstraint.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/MultipartConfigElement.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/annotation/HttpConstraint.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/WriteListener.java
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/descriptor/JspConfigDescriptor.java
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* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/ServletRegistration.java
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guarantee element specifies that the communication between client and server should be NONE, INTEGRAL, or CONFIDENTIAL. NONE means that the application does not require any transport guarantees. A value of INTEGRAL means that the application requires that the data sent between the client and server be sent in such a way that it can't be changed in transit. CONFIDENTIAL means that the application requires that the data be transmitted in a fashion that prevents other entities from observing the contents of the transmission. In most cases, the presence of the INTEGRAL or CONFIDENTIAL flag will indicate that the use of SSL is required.

Used in: user

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* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_2_3.dtd

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- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-fragment_5_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jakartaee_9.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jsp_3_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jakartaee_web_services_client_2_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jakartaee_web_services_2_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_3_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_5_0.xsd

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- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/LocalStrings.properties
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/LocalStrings_ja.properties
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/LocalStrings_fr.properties
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/LocalStrings_ja.properties
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/LocalStrings_es.properties
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/LocalStrings_fr.properties

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<![CDATA[

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* /jakarta-servlet-api-5-0-0-sources-jar/pom.xml

* /jakarta-servlet-api-5-0-0-sources-jar/META-INF/maven/jakarta.servlet/jakarta.servlet-api/pom.xml

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Found in path(s):

* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/Part.java

* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/AsyncEvent.java

* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/GenericFilter.java

*

/jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/HttpFilter.java

* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/http/MappingMatch.java

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CONFIDENTIAL. NONE means that the application does not

changed in transit. CONFIDENTIAL means that the application

CONFIDENTIAL flag will indicate that the use of SSL is

<xsd:enumeration value="CONFIDENTIAL"/>

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* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-common_5_0.xsd

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*/
/**
 * Constructor to establish non-empty getRolesAllowed and/or <tt>TransportGuarantee.CONFIDENTIAL</tt>.
 *
 * @param guarantee <tt>TransportGuarantee.NONE</tt> or <tt>TransportGuarantee.CONFIDENTIAL</tt>
 * @param roleNames the names of the roles that are to be allowed access
 */

```

Found in path(s):

```
* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/HttpConstraintElement.java
```

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```
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```

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* /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_1_1.dtd

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- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jsp_2_1.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_3_1.xsd
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_8.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_2_4.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_3.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_6.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_3_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jsp_2_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-fragment_3_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_2_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-common_4_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_2.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_4.xsd
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_2.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_5.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jsp_2_3.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/j2ee_web_services_1_1.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/j2ee_web_services_client_1_1.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_3.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_7.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_2_5.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_2_1.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-fragment_4_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-app_4_0.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_4.xsd
- *
- /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/j2ee_1_4.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/jsp_2_2.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-fragment_3_1.xsd
- * /jakarta-servlet-api-5-0-0-sources-jar/jakarta/servlet/resources/web-common_3_1.xsd

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1.32 apache-common-codec 1.10

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caa8093/apache/src/main/java/apache/commons/codec/DecoderException.java

* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/bm/RuleType.java

* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/DaitchMokotoffSoundex.java

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*

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caa8093/apache/src/main/java/apache/commons/codec/binary/Base64OutputStream.java

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caa8093/apache/src/main/java/apache/commons/codec/digest/B64.java

*

/nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/StringDecoder.java

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caa8093/apache/src/main/java/apache/commons/codec/digest/HmacAlgorithms.java

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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/binary/BaseNCodecOutputStream.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/net/RFC1522Codec.java
 *
 /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/binary/Base64InputStream.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 *
 /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
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 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/language/bm/Lang.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/digest/DigestUtils.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/language/AbstractCaverphone.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/digest/HmacUtils.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/Charsets.java
 *
 /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/net/URLConnection.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/language/MatchRatingApproachEncoder.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/CharEncoding.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/language/Nysiis.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/binary/Base32.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/net/QuotedPrintableCodec.java
 *
 /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
 caa8093/apache/src/main/java/apache/commons/codec/digest/MessageDigestAlgorithms.java
 * /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-


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caa8093/apache/src/main/java/apache/commons/codec/language/Caverphone2.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/bm/BeiderMorseEncoder.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/binary/BinaryCodec.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/StringEncoderComparator.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/Caverphone.java
*
/nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/Soundex.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/bm/Languages.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/bm/Rule.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/BinaryDecoder.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/RefinedSoundex.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/binary/CharSequenceUtils.java
*
/nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/language/Metaphone.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/binary/Base32InputStream.java
* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/binary/BaseNCodec.java
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```

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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/**

```

```

* SHA2-based Unix crypt implementation.
* <p>
* Based on the C implementation released into the Public Domain by Ulrich
  Drepper &lt;drepper@redhat.com>;
* http://www.akkadia.org/drepper/SHA-crypt.txt
* <p>
* Conversion to Kotlin and from there to Java in 2012 by Christian Hammers &lt;ch@lathspell.de>; and likewise
  put
* into the Public Domain.
* <p>
* This class is immutable and thread-safe.
*
* @version $Id: Sha2Crypt.java 1619948 2014-08-22 22:53:55Z ggregory $
* @since 1.7
*/

```

Found in path(s):

```

* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
  caa8093/apache/src/main/java/apache/commons/codec/digest/Sha2Crypt.java

```

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* limitations under the License.
*/
/**
* The libc crypt() "$1$" and Apache "$apr1$" MD5-based hash algorithm.
* <p>
* Based on the public domain ("beer-ware")
  C implementation from Poul-Henning Kamp which was found at: <a
  href="http://www.freebsd.org/cgi/cvsweb.cgi/src/lib/libcrypt/crypt-md5.c?rev=1.1;content-type=text%2Fplain">
  crypt-md5.c @ freebsd.org</a><br>
* <p>
* Source:
*
* <pre>

```

```

* $FreeBSD: src/lib/libcrypt/crypt-md5.c,v 1.1 1999/01/21 13:50:09 brandon Exp $
* </pre>
* <p>
* Conversion to Kotlin and from there to Java in 2012.
* <p>
* The C style comments are from the original C code, the ones with "/*" from the port.
* <p>
* This class is immutable and thread-safe.
*
* @version $Id: Md5Crypt.java 1563226 2014-01-31 19:38:06Z ggregory $
* @since 1.7
*/

```

Found in path(s):

```

* /nikitakraev-apache-common-codec-1-10-0-g84dd72c-1-tar-gz/nikitakraev-apache-common-codec-
caa8093/apache/src/main/java/apache/commons/codec/digest/Md5Crypt.java

```

1.33 apache-common-codec 1.3

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```

* /commons-codec-1-3-src-zip/commons-codec-1.3/project.properties
* /commons-codec-1-3-src-zip/commons-codec-1.3/default.properties

```

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```

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- * /commons-codec-1-3-src-zip/commons-codec-1.3/checkstyle.xml
- * /commons-codec-1-3-src-zip/commons-codec-1.3/project.xml
- * /commons-codec-1-3-src-zip/commons-codec-1.3/maven.xml
- * /commons-codec-1-3-src-zip/commons-codec-1.3/build.xml

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The commons-codec team is pleased to announce the Codec 1.3 release!

<http://jakarta.apache.org/commons/codec/>

The codec package contains simple encoder and decoders for various formats such as Base64 and Hexadecimal. In addition to these widely used encoders and decoders, the codec package also maintains a collection of phonetic encoding utilities.

Changes in this version include:

New Features:

- o BinaryCodec: Encodes and decodes binary to and from Strings of 0s and 1s. Issue: 27813. Thanks to Alex Karasulu.
- o QuotedPrintableCodec: Codec for RFC 1521 MIME (Multipurpose Internet Mail Extensions) Part One. Rules #3, #4, and #5 of the quoted-printable spec are not implemented yet. See also issue 27789. Issue: 26617. Thanks to Oleg Kalnichevski.
- o BCodec: Identical to the Base64 encoding defined by RFC 1521 and allows a character set to be specified. Issue: 26617. Thanks to Oleg Kalnichevski.
- o QCodec: Similar to the Quoted-Printable content-transfer-encoding defined in RFC 1521 and designed to allow text containing mostly ASCII characters to be decipherable on an ASCII terminal without decoding. Issue: 26617. Thanks to Oleg Kalnichevski.
- o Soundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.
- o RefinedSoundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

Fixed bugs:

- o The default URL encoding logic was broken. Issue: 25995. Thanks to Oleg Kalnichevski.
- o Base64 chunked encoding not compliant with RFC 2045 section 2.1 CRLF. Issue: 27781. Thanks to Gary D. Gregory.
- o Hex converts illegal characters to 255. Issue: 28455.
- o Metaphone now correctly handles a silent B in a word that ends in MB.

"COMB" is encoded as "KM", before this fix "COMB" was encoded as "KMB".

Issue: 28457.

- o Added missing tags in Javadoc comments.
- o General Javadoc improvements.

Changes:

- o This version is released under the Apache License 2.0, please see LICENSE.txt. Previous versions were released under the Apache License 1.1.
- o The Board recommendation to remove Javadoc author tags has been implemented. All author tags are now "Apache Software Foundation".

Have fun!

-The commons-codec team

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* /commons-codec-1-3-src-zip/commons-codec-1.3/RELEASE-NOTES.txt

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Found in path(s):

* /commons-codec-1-3-src-zip/commons-codec-

1.3/src/java/org/apache/commons/codec/language/RefinedSoundex.java

* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/StringEncoder.java

* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/binary/HexTest.java

*

/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/binary/BinaryCodecTest.java

* /commons-codec-1-3-src-zip/commons-codec-

1.3/src/java/org/apache/commons/codec/language/DoubleMetaphone.java

* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/StringEncodings.java

* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/RFC1522Codec.java

* /commons-codec-1-3-src-zip/commons-codec-

```

1.3/src/test/org/apache/commons/codec/language/MetaphoneTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/digest/DigestUtilsTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/URLConnectionTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/SoundexTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/BCodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/BinaryCodecTest.java
*
/commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/HexTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/DecoderTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/MetaphoneTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/StringEncoderAbstractTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/language/RefinedSoundexTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/BinaryDecoderTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/EncoderTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/java/org/apache/commons/codec/StringEncoderComparatorTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/SoundexTest.java
*
/commons-codec-1-3-src-zip/commons-codec-
1.3/src/java/org/apache/commons/codec/net/QuotedPrintableCodecTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/QCodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/StringDecoderTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/java/org/apache/commons/codec/language/SoundexUtilsTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/Base64Test.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/BinaryEncoderTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/URLConnectionTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/DecoderExceptionTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/BinaryEncoderAbstractTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/language/AllTests.java
*
/commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/BCodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/binary/Base64Test.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/StringEncoderComparatorTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/net/RFC1522CodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/digest/DigestUtilsTest.java
* /commons-codec-1-3-src-zip/commons-codec-
1.3/src/test/org/apache/commons/codec/net/QuotedPrintableCodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/test/org/apache/commons/codec/net/QCodeTest.java
* /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/EncoderExceptionTest.java
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- * /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/digest/package.html
- * /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/package.html
- * /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/net/package.html
- * /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/language/package.html
- *
- /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/overview.html
- * /commons-codec-1-3-src-zip/commons-codec-1.3/src/java/org/apache/commons/codec/binary/package.html

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*

* Massaged the test data in the

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*/

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* /commons-codec-1-3-src-zip/commons-codec-

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

1.34 apache-commons-net 3.2

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/IProgramElement.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/FieldSignatureImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/SignatureImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/StringMaker.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/ConstructorSignatureImpl.java


```

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/CodeSignatureImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/util/LangUtil.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/CFlowPlusState.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/SourceLocation.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/IMessage.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/Signature.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/InitializerSignatureImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/CatchClauseSignatureImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/MessageHandler.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/AdviceSignatureImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/Message.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/NoAspectBoundException.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/ReflectionFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/MessageUtil.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/IMessageHolder.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/PerObjectMap.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/MethodSignatureImpl.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/MessageWriter.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/AdviceSignature.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/ConstructorSignature.java
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Found in path(s):

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NewMemberClassTypeMunger.java
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Found in path(s):

- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/BasicTokenSource.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/CflowPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NewConstructorTypeMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NameMangler.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Checker.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/IScope.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Position.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ISourceContext.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/Range.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NewParentTypeMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/MemberKind.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/Declare.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Expr.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ConcreteCflowPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WildTypePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ReferencePointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IntMap.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/model/AsmRelationshipProvider.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AjAttribute.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/BCException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/FieldGet.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AdviceKind.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ArgsPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelVar.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/OrTypePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WithincodePointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelCflowStackFieldAdder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/PrivilegedAccessMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/TypePatternList.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/TypePatternQuestions.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/FormalBinding.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/CrosscuttingMembers.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/SourceContextImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/Bindings.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/SignaturePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/ExceptionRange.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/LazyMethodGen.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Lint.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/ShadowRange.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Test.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Not.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ExposedState.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Iterators.java

- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/BasicToken.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IHasPosition.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/DeclareSoft.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/DeclareErrorOrWarning.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/Pointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/OrPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerSingleton.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/ASTNode.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IClassWeaver.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ParserException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ModifiersPattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ResolvedPointcutDefinition.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IHasSourceLocation.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ShadowMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NamePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelField.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Var.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/DeclareParents.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/Utility.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WithinPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/MemberImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelClassWeaver.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ThrowsPattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Call.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/And.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelMethod.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/UnwovenClassFile.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NewMethodTypeMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/NewFieldTypeMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AjcMemberMaker.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NotTypePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerCflow.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/InstanceOf.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ITokenSource.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ConcreteTypeMunger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ThisOrTargetPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Shadow.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AndTypePattern.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/SimpleScope.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NotPointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/StaticJoinPointFactory.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelRenderer.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerObject.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/CallExpr.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerFromSuper.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/FieldGetCall.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelFieldRef.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/WeaverStateInfo.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AndPointcut.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/ClassPathManager.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PatternNode.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/IExprVisitor.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NameBindingPointcut.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Literal.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerClause.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Advice.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/KindedPointcut.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/DeclarePrecedence.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/ITestVisitor.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/Or.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelCflowAccessVar.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/HandlerPointcut.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/IToken.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ExactTypePattern.java
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* variant of Aspects in the aspectj5rt project - this one isn't Java5 - Andy Clement
*****/

```

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* Contributors:

* Wes Isberg initial implementation

* Andy Clement fleshed out to match SuppressWarnings

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* Contributors:
*   Matthew Webster, Adrian Colyer,
*   Martin Lippert   initial implementation
*   Andy Clement
*   Roy Varghese - Bug 473555
* *****/
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*   Heavily based on LocalVariableTable
* *****/
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/LocalVariableTypeTable.java

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* Contributors:
*   Andy Clement -   initial implementation {date}
* *****/
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisParamAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java

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* David Knibb      initial implementation  
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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/IWeavingContext.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/DefaultWeavingContext.java

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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/InternalUseOnlyPointcutParser.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/DeferredResolvedPointcutDefinition.java

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* Contributors:  
* Andy Clement     initial implementation  
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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/WeakClassLoaderReference.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IWeavingSupport.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/WildcardedUnresolvedType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/AnnotationAccessFieldVar.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/BindingAnnotationFieldTypePattern.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ArrayReferenceType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelWeavingSupport.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ExactAnnotationFieldTypePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelWeakClassLoaderReference.java

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*

* Contributors:

- * PARC initial implementation
- * Andy Clement 6Jul05 generics - signature attribute
- * Abraham Nevado

*****/

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* Contributors:

- * Andy Clement initial implementation

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IEclipseSourceContext.java
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* Contributors:

* PARC initial implementation
* Andy Clement pushed down into bcel module

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/LocalVariableTag.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/Tag.java
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* Contributors:

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/WeavingAdaptor.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/MethodParameters.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/TypeAnnotationGen.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/NameValuePair.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/HasMemberTypePatternForPerThisMatching.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/EnumElementValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeParamAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/ArrayElementValue.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/ClassElementValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisParamAnnos.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/SimpleElementValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/AnnotationElementValue.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelTypeMunger.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ResolvedTypeMunger.java

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* Andy Clement - June 2005 - separated out from ResolvedType

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ReferenceTypeDelegate.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AbstractReferenceTypeDelegate.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ReferenceType.java

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*   Alex Vasseur  new factory methods for variants of JP
*   Abraham Nevado new factory methods for collapsed SJPs
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/Factory.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/PoliceExtensionUse.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/internal/RelationshipMap.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/IHierarchy.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/HierarchyWalker.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/BindingScope.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/DeclareAnnotation.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelAccessForInlineMunger.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PerThisOrTargetPointcutVisitor.java

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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/ProceedingJoinPoint.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/DeclarePrecedence.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/After.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/Aspect.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/Before.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/AtAjAttributes.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/Around.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/Pointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/AfterThrowing.java
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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/internal/HandleProviderDelimiter.java

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```
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/TypePattern.java
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*   Andy Clement  initial implementation
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```

Found in path(s):

```
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/PerTypeWithinTargetTypeMunger.java
```

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* Contributors:
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* Alexandre Vasseur initial implementation

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Found in path(s):

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/Agent.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/definition/Definition.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/Options.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/ClassPreProcessor.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/Aj.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/ClassPreProcessorAgentAdapter.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/DeclareTypeErrorOrWarning.java

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* Contributors:

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* Alexandre Vasseur perClause support for @AJ aspects

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelWorld.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/Member.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AbstractAnnotationAJ.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/TemporaryTypeMunger.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/StandardAnnotation.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelAnnotation.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IUnwovenClassFile.java

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* Abraham Nevado - Lucierna initial implementation

* Just a slight variation of current DocumentParser.java from Alexandre Vasseur.

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/definition/SimpleAOPParser.java

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* IBM Corporation - initial API and implementation

* (Andy Clement)

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* Alexandre Vasseur support for @AJ aspects

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelAdvice.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelShadow.java

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* Adrian Colyer Initial implementation

* Andy Clement various fixes

* Trask Stanalker #373195

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/context/CompilationAndWeavingContext.java

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* Linton Ye https://bugs.eclipse.org/bugs/show_bug.cgi?id=193065

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactory.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/cflowstack/ThreadStack.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounter.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/CFlowCounter.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/AnnotationDefault.java

*

/* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/EnclosingMethod.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl11.java

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* Alexandre Vasseur @AspectJ ITDs

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ResolvedType.java

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* Lyor Goldstein (vmware) add support for weaved class being re-defined

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/AsynchronousFileCacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/ZippedFileCacheBacking.java

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* Contributors:

* Xerox/PARC initial implementation

* Alex Vasseur wired up for @AJ proceeding

* Andy Clement 23-06-06 added extras for @AJ

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/internal/AroundClosure.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/EnumAnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AnnotationNameValuePair.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ClassAnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/IVerificationRequired.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AnnotationAnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/SimpleAnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ArrayAnnotationValue.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/asm/IModelFilter.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NotSignaturePattern.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AndSignaturePattern.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/OrSignaturePattern.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AbstractSignaturePattern.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AnyWithAnnotationTypePattern.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AnyTypePattern.java
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* Contributors:

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/Traceable.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/Constants.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/AbstractTrace.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/IMessageContext.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/CommonsTraceFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/TraceFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/DefaultTraceFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/Jdk14Trace.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/Jdk14TraceFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/ISupportsMessageContext.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/CommonsTrace.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/Trace.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/loadtime/JRockitAgent.java

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* Contributors:  
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* Abraham Nevado - Lucierna simple caching strategy  
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* Contributors:  
* Alexandre Vasseur      initial implementation  
* David Knibb            weaving context enhancments  
* John Kew (vmware)      caching hook  
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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/TypePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/ContextBasedMatcher.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/AdviceKind.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcDeclareEoW.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/JoinPointMatch.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ReflectionShadow.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcITD.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcDeclarePrecedence.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/PointcutParameter.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/DeclareSoft.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/AjType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegate.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/HasThisTypePatternTriedToSneakInSomeGenericOrParameterizedTypePatternMatchingStuffAnywhereVisitor.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/Java15AnnotationFinder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/PerClause.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/JoinPointSignature.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/NoSuchPointcutException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/AnnotationFinder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/DeclareAnnotationImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/Java15GenericSignatureInformationProvider.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelGenericSignatureToTypeXConverter.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/DeclarePrecedence.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/PointcutBasedPerClauseImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/AjTypeSystem.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ReflectionWorld.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/DeclareErrorOrWarningImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/InterTypeDeclarationImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/TypePatternImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/NoSuchAdviceException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/Java15ReflectionBasedReferenceTypeDelegate.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/HasMemberTypePatternFinder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/Advice.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/DeclareError.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/Java14GenericSignatureInformationProvider.java

- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/AjTypeImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AbstractPatternNodeVisitor.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcDeclareSoft.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/TypeVariablePatternList.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/TypePatternBasedPerClause.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/internal/tools/MatchingContextBasedTest.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/Pointcut.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/PointcutExpression.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/PointcutDesignatorHandler.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/SignaturePattern.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/TypePatternBasedPerClauseImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/StandardShadow.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ArgNameFinder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/PointcutParameterImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/StandardShadowMatchImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/JavaLangTypeToResolvedTypeConverter.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/JoinPointSignatureIterator.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/InterTypeConstructorDeclaration.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/context/PinpointingMessageHandler.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/annotation/ajcDeclareAnnotation.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/DeclareParentsImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/DeclareAnnotation.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ScopeWithTypeVariables.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/context/ContextToken.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ReflectionVar.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/context/ContextFormatter.java
- * /aspectjweaver-1-8-9-sources-1-
- jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegateFactory.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/annotation/DeclareWarning.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/PointcutImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/PerClauseKind.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/JoinPointMatchImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/StringToType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/MatchingContext.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/GenericSignatureInformationProvider.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/ShadowMatch.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/AdviceImpl.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/InterTypeDeclaration.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/InterTypeFieldDeclaration.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/TypeVariablePattern.java
* /aspectjweaver-1-8-9-sources-1-
jar/org/aspectj/weaver/internal/tools/PointcutDesignatorHandlerBasedPointcut.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/UnsupportedPointcutPrimitiveException.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/PointcutBasedPerClause.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ReflectionBasedResolvedMemberImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/TypeVariableReference.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/DefaultMatchingContext.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/MissingResolvedTypeWithKnownSignature.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/reflect/ShadowMatchImpl.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/DeclareParents.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/CompressingDataOutputStream.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ConstantPoolWriter.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelConstantPoolReader.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/bcel/BcelConstantPoolWriter.java
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* /aspectjweaver-1-8-9-sources-1-
jar/org/aspectj/weaver/bcel/UnwovenClassFileWithThirdPartyManagedBytecode.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IClassFileProvider.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/PointcutParser.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/StandardPointcutParser.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/WeaverMessages.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/ast/HasAnnotation.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/IWeaveRequestor.java
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* Adrian Colyer, Andy Clement, overhaul for generics, Abraham Nevado

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* John Kew (vmware) initial implementation

* Lyor Goldstein (vmware) add support for weaved class being re-defined

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/AbstractIndexedFileCacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/CacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/GeneratedCachedClassHandler.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/AbstractCacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/DefaultFileCacheBacking.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/CachedClassReference.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/WeavedClassCache.java

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* Andy Clement, IBM, SpringSource

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/EllipsisTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NoTypePattern.java

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* Andy Clement, IBM, SpringSource Extensions for better IDE representation
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/UnlockSignature.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/lang/reflect/LockSignature.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java

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* generic signature update Adrian Colyer

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/bridge/Version.java

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/TypeVariableReferenceType.java

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* John Kew (vmware) initial implementation

* Lyor Goldstein (vmware) add support for weaved class being re-defined

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/util/TypeSafeEnum.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/util/Reflection.java

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* Andy Clement incremental support and switch on/off state

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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/TypePatternMatcher.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AndAnnotationTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/internal/tools/TypePatternMatcherImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PointcutEvaluationExpenseComparator.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ExactAnnotationTypePattern.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/internal/tools/PointcutExpressionImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/internal/tools/StandardPointcutExpressionImpl.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/PointcutExpression.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/OrAnnotationTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WithinAnnotationPointcut.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/BindingAnnotationTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ArgsAnnotationPointcut.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/PointcutRewriter.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/AnnotatedElement.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/PointcutPrimitive.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/NotAnnotationTypePattern.java

*

/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WildAnnotationTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/WithinCodeAnnotationPointcut.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/BindingPattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/StandardPointcutExpression.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AnnotationPointcut.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AnnotationPatternList.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/AnnotationTypePattern.java

* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/patterns/ThisOrTargetAnnotationPointcut.java

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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/SimpleCacheFactory.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/weaver/tools/cache/SimpleCache.java

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- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/RET.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/Type.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantMethodref.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/StackMapType.java

- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/TABLESWITCH.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/FieldOrMethod.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantCP.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionBranch.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantPool.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantInteger.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantString.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/LocalVariable.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/LineNumberGen.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionTargeter.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/LocalVariableGen.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ClassFormatException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/LocalVariableTable.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/JavaClass.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Code.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InvokeInstruction.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/ClassPath.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/DefaultClassLoaderReference.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstVisitor.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantValue.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ClassGenException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantLong.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantInvokeDynamic.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantUtf8.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/ByteSequence.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Deprecated.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/Constants.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/INVOKEINTERFACE.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionList.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Node.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionSelect.java
- *
- /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Constant.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantObject.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/ClassLoaderRepository.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/SyntheticRepository.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/CodeExceptionGen.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantNameAndType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantMethodType.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/ClassLoaderReference.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/TargetLostException.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/Repository.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/LineNumber.java
- *

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/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionFactory.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/FieldOrMethod.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionByte.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Modifiers.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/MULTIANEWARRAY.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Attribute.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/ConstantsInitializer.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/FieldGen.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/LineNumberTable.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ReturnaddressType.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ClassParser.java
*
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/StackMapEntry.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantDouble.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ObjectType.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/IINC.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Unknown.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ArrayType.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/FieldInstruction.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/InnerClass.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/BranchHandle.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionLV.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ReferenceType.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantClass.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/SimpleConstant.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/SourceFile.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/util/NonCachingClassLoaderRepository.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantMethodHandle.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/InnerClasses.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Utility.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantFieldref.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ClassVisitor.java
*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/LOOKUPSWITCH.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionCP.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/StackMap.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantInterfaceMethodref.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/ExceptionConstants.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionHandle.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/InstructionConstants.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/Instruction.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/ClassGen.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/FieldGenOrMethodGen.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Synthetic.java

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*
/aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Field.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/CodeException.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/Method.java
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* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/generic/BasicType.java
* /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/ConstantFloat.java
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*
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* Andy Clement - initial implementation {date}

* *****/

Found in path(s):

- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java
- * /aspectjweaver-1-8-9-sources-1-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisTypeAnnos.java

1.37 google-guava v24.1.1

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Found in path(s):

```
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/HttpMethodConstraint.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/descriptor/JspPropertyGroupDescriptor.java
*
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/SessionCookieConfig.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/MultipartConfigElement.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/HttpMethodConstraintElement.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServletMapping.java
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<xsd:enumeration value="CONFIDENTIAL"/>

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- * /jakarta-servlet-api-6-0-0-sources-jar/pom.xml

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Found in path(s):

- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/AsyncEvent.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/Part.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/GenericFilter.java

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- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletInputStream.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletOutputStream.java

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Found in path(s):

- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_1_1.dtd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_1_2.dtd

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```

* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/UnavailableException.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServletResponseWrapper.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletResponse.java
*
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRequest.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSession.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionBindingEvent.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletContext.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/RequestDispatcher.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/Cookie.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletResponseWrapper.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServlet.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServletRequest.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServletRequestWrapper.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpServletResponse.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRequestWrapper.java
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- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_2_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_3.xsd
- *
- /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-app_2_5.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-common_4_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-fragment_4_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jsp_2_2.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jsp_2_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-app_2_4.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_6.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_7.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_8.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_2_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_5.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_4.xsd
- *
- /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-common_3_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_2.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_1_2.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/j2ee_web_services_1_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jsp_2_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-app_3_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-app_4_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_4.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jsp_2_3.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/j2ee_1_4.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/javaee_web_services_client_1_3.xsd
- *
- /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-app_3_0.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-common_3_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/j2ee_web_services_client_1_1.xsd
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-fragment_3_0.xsd

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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/LocalStrings_ja.properties
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/LocalStrings.properties
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/LocalStrings_fr.properties
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/LocalStrings.properties
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/LocalStrings_ja.properties
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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jsp_3_0.xsd
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jakartaee_9.xsd
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CONFIDENTIAL. NONE means that the application does not
changed in transit. CONFIDENTIAL means that the application
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<xsd:enumeration value="CONFIDENTIAL"/>

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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jakartaee_web_services_client_2_0.xsd

* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/jakartaee_10.xsd

* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-fragment_6_0.xsd

* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/resources/web-jsptaglibrary_3_1.xsd

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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/Servlet.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletContextListener.java
*
/jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionBindingListener.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionEvent.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionActivationListener.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/FilterChain.java
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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletConfig.java
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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletException.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRequestEvent.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRequestAttributeEvent.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/FilterConfig.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRequestAttributeListener.java
*
/jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletContextAttributeListener.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionListener.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/Filter.java
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- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/HttpConstraint.java
- *
- /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/WebFilter.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/AsyncContext.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/FilterRegistration.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/HandlesTypes.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletRegistration.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/AsyncListener.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ReadListener.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/descriptor/JspConfigDescriptor.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpUpgradeHandler.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/SessionTrackingMode.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/MultipartConfig.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/ServletSecurity.java
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- /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/descriptor/TaglibDescriptor.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/http/HttpSessionIdListener.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/WebServlet.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/WebListener.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletSecurityElement.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/ServletContainerInitializer.java
- * /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/annotation/WebInitParam.java

* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/DispatcherType.java
* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/Registration.java
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*/

/**

* Constructor to establish non-empty getRolesAllowed and/or <tt>TransportGuarantee.CONFIDENTIAL</tt>.

*

* @param guarantee <tt>TransportGuarantee.NONE</tt> or <tt>TransportGuarantee.CONFIDENTIAL</tt>

* @param roleName the names of the roles that are to be allowed access

*/

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* /jakarta-servlet-api-6-0-0-sources-jar/jakarta/servlet/HttpConstraintElement.java

1.40 aspectj-runtime 1.8.9

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1.42 httpcomponents-core 4.4.11

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1.46 mockito-inline 5.2.0

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1.48 apache-http-client 4.5.8

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1.49 js 1.0

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1.50 quartz-all 1.0

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* /quartz-2-0-1-sources-jar/org/quartz/listeners/TriggerListenerSupport.java
* /quartz-2-0-1-sources-jar/org/quartz/plugins/SchedulerPluginWithUserTransactionSupport.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/TablePrefixAware.java
*
/quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/AttributeRestoringConnectionInvocationHandler.java
* /quartz-2-0-1-sources-jar/org/quartz/listeners/SchedulerListenerSupport.java
* /quartz-2-0-1-sources-jar/org/quartz/utils/StringKeyDirtyFlagMap.java
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* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/CounterConfig.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledCounterImpl.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/CircularLossyQueue.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/CounterManagerImpl.java

*

/quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledRateCounter.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledRateCounterConfig.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/TimeStampedCounterValue.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledCounter.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledCounterConfig.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/CounterImpl.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/Counter.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/CounterManager.java

* /quartz-2-0-1-sources-jar/org/quartz/utils/counter/sampled/SampledRateCounterImpl.java

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 * /quartz-2-0-1-sources-jar/org/quartz/Matcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/JobDetail.java
 * /quartz-2-0-1-sources-jar/org/quartz/ScheduleBuilder.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/NameMatcher.java
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 /quartz-2-0-1-sources-jar/org/quartz/CalendarIntervalTrigger.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/OrMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/JobKey.java
 * /quartz-2-0-1-sources-jar/org/quartz/CronScheduleBuilder.java
 * /quartz-2-0-1-sources-jar/org/quartz/DisallowConcurrentExecution.java
 * /quartz-2-0-1-sources-jar/org/quartz/PersistJobDataAfterExecution.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/KeyMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/ListenerManager.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/EverythingMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/StringMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/JobExecutionContext.java
 * /quartz-2-0-1-sources-jar/org/quartz/spi/MutableTrigger.java
 * /quartz-2-0-1-sources-jar/org/quartz/CronTrigger.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/NotMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/triggers/CoreTrigger.java
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 /quartz-2-0-1-sources-jar/org/quartz/TriggerKey.java
 * /quartz-2-0-1-sources-jar/org/quartz/ExecuteInJTATransaction.java
 * /quartz-2-0-1-sources-jar/org/quartz/CalendarIntervalScheduleBuilder.java
 * /quartz-2-0-1-sources-jar/org/quartz/JobBuilder.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/AndMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/matchers/GroupMatcher.java
 * /quartz-2-0-1-sources-jar/org/quartz/SimpleTrigger.java
 * /quartz-2-0-1-sources-jar/org/quartz/TriggerBuilder.java
 * /quartz-2-0-1-sources-jar/org/quartz/SimpleScheduleBuilder.java
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 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/PostgreSQLDelegate.java
 * /quartz-2-0-1-sources-jar/org/quartz/jobs/FileScanListener.java
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 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/MSSQLDelegate.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/JobStoreCMT.java
 * /quartz-2-0-1-sources-jar/org/quartz/SchedulerFactory.java
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 * /quartz-2-0-1-sources-jar/org/quartz/ee/jta/JTAAnnotationAwareJobRunShellFactory.java
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 * /quartz-2-0-1-sources-jar/org/quartz/plugins/history/LoggingJobHistoryPlugin.java
 * /quartz-2-0-1-sources-jar/org/quartz/spi/TriggerFiredBundle.java
 * /quartz-2-0-1-sources-jar/org/quartz/spi/JobFactory.java
 * /quartz-2-0-1-sources-jar/org/quartz/utils/Key.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/InvalidConfigurationException.java
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 /quartz-2-0-1-sources-jar/org/quartz/plugins/history/LoggingTriggerHistoryPlugin.java
 * /quartz-2-0-1-sources-jar/org/quartz/Scheduler.java
 * /quartz-2-0-1-sources-jar/org/quartz/utils/DBConnectionManager.java
 * /quartz-2-0-1-sources-jar/org/quartz/JobExecutionException.java
 * /quartz-2-0-1-sources-jar/org/quartz/UnableToInterruptJobException.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/HSQLDBDelegate.java
 * /quartz-2-0-1-sources-jar/org/quartz/ee/jta/JTAJobRunShell.java
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 * /quartz-2-0-1-sources-jar/org/quartz/jobs/DirectoryScanListener.java
 * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/Semaphore.java

- * /quartz-2-0-1-sources-jar/org/quartz/impl/calendar/HolidayCalendar.java
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- * /quartz-2-0-1-sources-jar/org/quartz/jobs/NativeJob.java
- * /quartz-2-0-1-sources-jar/org/quartz/jobs/ee/ejb/EJBInvokerJob.java
- *
- /quartz-2-0-1-sources-jar/org/quartz/jobs/FileScanJob.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/StdRowLockSemaphore.java
- * /quartz-2-0-1-sources-jar/org/quartz/SchedulerMetaData.java
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- * /quartz-2-0-1-sources-jar/org/quartz/JobPersistenceException.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/Constants.java
- * /quartz-2-0-1-sources-jar/org/quartz/plugins/management/ShutdownHookPlugin.java
- * /quartz-2-0-1-sources-jar/org/quartz/spi/ClassLoadHelper.java
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- * /quartz-2-0-1-sources-jar/org/quartz/jobs/ee/jms/SendQueueMessageJob.java
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- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/SimpleSemaphore.java
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- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/DriverDelegate.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/TriggerStatus.java
- * /quartz-2-0-1-sources-jar/org/quartz/utils/JNDIConnectionProvider.java
- *
- /quartz-2-0-1-sources-jar/org/quartz/SchedulerContext.java
- * /quartz-2-0-1-sources-jar/org/quartz/utils/PoolingConnectionProvider.java
- * /quartz-2-0-1-sources-jar/org/quartz/xml/ValidationException.java
- * /quartz-2-0-1-sources-jar/org/quartz/simpl/SimpleTimeBroker.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/CloudscapeDelegate.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/StdJBCCConstants.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/RemoteScheduler.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/JobExecutionContextImpl.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/SchedulerStateRecord.java
- * /quartz-2-0-1-sources-jar/org/quartz/Calendar.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/DB2v8Delegate.java
- * /quartz-2-0-1-sources-jar/org/quartz/jobs/DirectoryScanJob.java
- * /quartz-2-0-1-sources-jar/org/quartz/impl/triggers/SimpleTriggerImpl.java

```

* /quartz-2-0-1-sources-jar/org/quartz/simpl/ZeroSizeThreadPool.java
*
/quartz-2-0-1-sources-jar/org/quartz/simpl/SimpleClassLoadHelper.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/RemoteMBeanScheduler.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl/SimpleThreadPool.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/QuartzServer.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl/HostnameInstanceIdGenerator.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/DB2v6Delegate.java
* /quartz-2-0-1-sources-jar/org/quartz/SchedulerException.java
* /quartz-2-0-1-sources-jar/org/quartz/helpers/VersionPrinter.java
* /quartz-2-0-1-sources-jar/org/quartz/utils/PropertiesParser.java
* /quartz-2-0-1-sources-jar/org/quartz/jobs/ee/mail/SendMailJob.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl/RAMJobStore.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/DBSemaphore.java
* /quartz-2-0-1-sources-jar/org/quartz/spi/InstanceIdGenerator.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/triggers/CalendarIntervalTriggerImpl.java
*
/quartz-2-0-1-sources-jar/org/quartz/InterruptableJob.java
* /quartz-2-0-1-sources-jar/org/quartz/Job.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/FiredTriggerRecord.java
* /quartz-2-0-1-sources-jar/org/quartz/core/QuartzSchedulerResources.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl>LoadingLoaderClassLoadHelper.java
* /quartz-2-0-1-sources-jar/org/quartz/jobs/ee/jms/JmsMessageFactory.java
* /quartz-2-0-1-sources-jar/org/quartz/core/RemotableQuartzScheduler.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/triggers/AbstractTrigger.java
* /quartz-2-0-1-sources-jar/org/quartz/utils/ConnectionProvider.java
* /quartz-2-0-1-sources-jar/org/quartz/JobListener.java
* /quartz-2-0-1-sources-jar/org/quartz/core/QuartzScheduler.java
* /quartz-2-0-1-sources-jar/org/quartz/jobs/ee/jms/JmsHelper.java
* /quartz-2-0-1-sources-jar/org/quartz/ObjectAlreadyExistsException.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/PointbaseDelegate.java
* /quartz-2-0-1-sources-jar/org/quartz/utils/DirtyFlagMap.java
*
/quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/Util.java
* /quartz-2-0-1-sources-jar/org/quartz/StatefulJob.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/NoSuchDelegateException.java
* /quartz-2-0-1-sources-jar/org/quartz/TriggerUtils.java
* /quartz-2-0-1-sources-jar/org/quartz/spi/SchedulerSignaler.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/JTANonClusteredSemaphore.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/SchedulerRepository.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl/SimpleJobFactory.java
* /quartz-2-0-1-sources-jar/org/quartz/simpl/CascadingClassLoadHelper.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/StdJobRunShellFactory.java
* /quartz-2-0-1-sources-jar/org/quartz/jobs/NoOpJob.java
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```

* /quartz-2-0-1-sources-jar/org/quartz/spi/JobStore.java
* /quartz-2-0-1-sources-jar/org/quartz/ee/servlet/QuartzInitializerServlet.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/StdSchedulerFactory.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/DirectSchedulerFactory.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/calendar/MonthlyCalendar.java
*
* /quartz-2-0-1-sources-jar/org/quartz/impl/calendar/BaseCalendar.java
* /quartz-2-0-1-sources-jar/org/quartz/impl/calendar/WeeklyCalendar.java
* /quartz-2-0-1-sources-jar/org/quartz/core/JobRunShell.java
* /quartz-2-0-1-sources-jar/org/quartz/spi/ThreadPool.java
* /quartz-2-0-1-sources-jar/org/quartz/core/QuartzSchedulerThread.java
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```

* /quartz-2-0-1-sources-jar/org/quartz/xml/XMLSchedulingDataProcessor.java

```

* /quartz-2-0-1-sources-jar/org/quartz/plugins/xml/XMLSchedulingDataProcessorPlugin.java

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* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/UpdateLockRowSemaphore.java

* /quartz-2-0-1-sources-jar/org/quartz/listeners/BroadcastJobListener.java

* /quartz-2-0-1-sources-jar/org/quartz/listeners/BroadcastTriggerListener.java

* /quartz-2-0-1-sources-jar/org/quartz/listeners/JobChainingJobListener.java

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* /quartz-2-0-1-sources-jar/org/quartz/impl/jdbcjobstore/SybaseDelegate.java

1.51 metric-collector 1.0.0

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1.52 redshiftjdbc41-no-awssdk-1.2.10.1009

1.0

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1.53 bean-validation-api 1.0

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- * /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Size.java

```

*
/validation-api-1-0-0-ga-sources-jar/javax/validation/ValidationException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/DecimalMax.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ValidatorFactory.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintDeclarationException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/BeanDescriptor.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/GroupDefinitionException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/AssertFalse.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Min.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Max.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Path.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Validation.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Null.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/ElementDescriptor.java
*
/validation-api-1-0-0-ga-sources-jar/javax/validation/TraversableResolver.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/NotNull.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/AssertTrue.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/spi/ConfigurationState.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/bootstrap/ProviderSpecificBootstrap.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/spi/BootstrapState.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintValidator.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Constraint.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/bootstrap/GenericBootstrap.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Past.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Validator.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/OverridesAttribute.java
*
/validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Pattern.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/ConstraintDescriptor.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/MessageInterpolator.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Valid.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintViolation.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/Digits.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/groups/package-info.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintValidatorContext.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/UnexpectedTypeException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/Scope.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Payload.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/Configuration.java
*
/validation-api-1-0-0-ga-sources-jar/javax/validation/ReportAsSingleViolation.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ValidatorContext.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintViolationException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/constraints/DecimalMin.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/groups/Default.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintValidatorFactory.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/spi/ValidationProvider.java

```

* /validation-api-1-0-0-ga-sources-jar/javax/validation/ConstraintDefinitionException.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/ValidationProviderResolver.java
* /validation-api-1-0-0-ga-sources-jar/javax/validation/metadata/PropertyDescriptor.java
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1.54 base-64 1.0

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- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java
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- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/xml/ASMContentHandler.java
- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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/asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/MemberNode.java
* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/util/ASMifierClassVisitor.java
* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/util/TraceAbstractVisitor.java
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/asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
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- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/LabelNode.java
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- /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
- * /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
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* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/AnnotationWriter.java
* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/AbstractInsnNode.java
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* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/Edge.java
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/asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/Type.java
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* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
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* /asm-all-repackaged-2-1-52-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
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- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

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- javaee_web_services_client_1_3.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd

may be obtained from <http://java.sun.com/xml/ns/javaee/>

1.61 spring-build-src-4.0.1.release 4.0.1

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```
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/SessionStatus.java
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```
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/ServletContainerInitializer.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/RequestParamMethodArgumentResolver.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/RestController.java
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- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/GenericFilterBean.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/ServletConfigAware.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/MethodArgumentNotValidException.java
- *
- /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/ClientHttpRequest.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/multipart/commons/CommonsFileUploadSupport.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/http/converter/feed/AbstractWireFeedHttpMessageConverter.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AbstractClientHttpResponse.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/method/annotation/RequestParamMapMethodArgumentResolver.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/HttpPutFormContentFilter.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/method/support/HandlerMethodArgumentResolverComposite.java
- *
- /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/WebArgumentResolver.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/context/request/async/CallableProcessingInterceptor.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/ResponseErrorHandler.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/server/ServletServerHttpRequest.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/remoting/httpinvoker/HttpInvokerServiceExporter.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/SessionScope.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/method/annotation/InitBinderDataBinderFactory.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/MultipartFile.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/ClientHttpResponse.java
- * /spring-web-4-0-1-release-sources-

```

jar/org/springframework/web/context/request/async/CallableInterceptorChain.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/ResponseStatus.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/OncePerRequestFilter.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/bind/ServletRequestParameterPropertyValues.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/async/WebAsyncUtils.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/ResourceAccessException.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/AbstractRequestLoggingFilter.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/EscapedErrors.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/accept/AbstractMappingContentNegotiationStrategy.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/ErrorsMethodArgumentResolver.java
*
/spring-web-4-0-1-release-sources-
jar/org/springframework/web/multipart/commons/CommonsMultipartResolver.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/InitBinder.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/multipart/support/RequestPartServletServerHttpRequest.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/TagUtils.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/converter/HttpMessageNotReadableException.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/multipart/MaxUploadSizeExceededException.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/accept/ParameterContentNegotiationStrategy.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/bind/MissingServletRequestParameterException.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/WebRequestInterceptor.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/MediaTypeEditor.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/web/client/HttpClientErrorException.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/HtmlUtils.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/DefaultSessionAttributeStore.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/HttpMessageConversionException.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/request/AsyncWebRequestInterceptor.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/accept/ContentNegotiationStrategy.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/PathVariable.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/http/client/support/ProxyFactoryBean.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/AbstractWebArgumentResolverAdapter.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/support/MultipartFilter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/accept/MediaTypeFileExtensionResolver.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/annotation/SessionStatusMethodArgumentResolver.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/ServletContextLiveBeansView.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/ResponseEntity.java
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 /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/ServletRequestUtils.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/WebApplicationContext.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/annotation/RequestHeaderMapMethodArgumentResolver.java
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jar/org/springframework/web/context/request/async/DeferredResultInterceptorChain.java
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* /spring-web-4-0-1-release-sources-
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/async/AsyncWebRequest.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/ServletContextResource.java
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jar/org/springframework/web/context/request/DestructionCallbackBindingListener.java
* /spring-web-4-0-1-release-sources-
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/support/ModelAndViewContainer.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/RequestBody.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/HttpMessageConverterExtractor.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/remoting/httpinvoker/AbstractHttpInvokerRequestExecutor.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/support/WebApplicationObjectSupport.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/request/async/TimeoutCallableProcessingInterceptor.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/http/client/HttpComponentsClientHttpResponse.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/remoting/httpinvoker/HttpInvokerClientConfiguration.java

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- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/WebAppRootListener.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/SessionAttributeStore.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/MultipartRequest.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/UnknownHttpStatusCodeException.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/accept/FixedContentNegotiationStrategy.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/HttpSessionRequiredException.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/context/request/async/StandardServletAsyncWebRequest.java
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- /spring-web-4-0-1-release-sources-
- jar/org/springframework/remoting/httpinvoker/HttpInvokerProxyFactoryBean.java
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- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/multipart/support/DefaultMultipartHttpServletRequest.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/remoting/httpinvoker/HttpInvokerClientInterceptor.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/annotation/ModelMethodProcessor.java
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- jar/org/springframework/web/method/annotation/RequestHeaderMethodArgumentResolver.java
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- jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerServiceExporter.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/web/context/support/ServletContextAttributeExporter.java
- * /spring-web-4-0-1-release-sources-
- jar/org/springframework/http/client/HttpComponentsAsyncClientHttpResponse.java
- *
- /spring-web-4-0-1-release-sources-
- jar/org/springframework/http/client/AbstractClientHttpRequestFactoryWrapper.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/LiveBeansViewServlet.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/RequestPart.java
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- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/DefaultResponseErrorHandler.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/ContextCleanupListener.java

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jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/DefaultDataBinderFactory.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/HiddenHttpMethodFilter.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/JaxWsPortProxyFactoryBean.java
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/spring-web-4-0-1-release-sources-jar/org/springframework/http/server/ServletServerHttpResponse.java
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* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/request/async/NoSupportAsyncWebRequest.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/ModelAttributeMethodProcessor.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/commons/CommonsMultipartFile.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/ServletContextAware.java
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jar/org/springframework/web/bind/annotation/support/HandlerMethodInvoker.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/support/ServletRequestHandledEvent.java
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/spring-web-4-0-1-release-sources-jar/org/springframework/web/jsf/DecoratingNavigationHandler.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/MatrixVariable.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/accept/HeaderContentNegotiationStrategy.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/ExceptionHandler.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/support/ByteArrayMultipartFileEditor.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/BufferingClientHttpRequestFactory.java

*

/spring-web-4-0-1-release-sources-jar/org/springframework/http/client/support/InterceptingHttpAccessor.java

* /spring-web-4-0-1-release-sources-jar/org/springframework/http/HttpRequest.java

* /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/InterceptingClientHttpRequestFactory.java

* /spring-web-4-0-1-release-sources-

jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AbstractBufferingClientHttpRequest.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/http/HttpInputMessage.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/converter/xml/AbstractXmlHttpMessageConverter.java
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* /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/package-info.java
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jar/org/springframework/http/converter/xml/Jaxb2RootElementHttpMessageConverter.java
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* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/converter/feed/AtomFeedHttpMessageConverter.java
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- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/Mapping.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/support/HttpAccessor.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/SimpleHttpServerJaxWsServiceExporter.java
- *
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/support/RestGatewaySupport.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/ClientHttpRequestFactory.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/RequestCallback.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/SimpleJaxWsServiceExporter.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/HttpMessage.java

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Found in path(s):

- * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/async/DeferredResult.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/json/MappingJacksonHttpMessageConverter.java
- * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/StringHttpMessageConverter.java
- *

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/spring-web-4-0-1-release-sources-
jar/org/springframework/http/client/HttpComponentsStreamingClientHttpRequest.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/HessianProxyFactoryBean.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/support/WebApplicationContextUtils.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/ResourceHttpMessageConverter.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/NativeWebRequest.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/SimpleBurlapServiceExporter.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/ContextLoaderListener.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/OpaqueUriComponents.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/http/server/ServerHttpResponse.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/converter/json/JacksonObjectMapperFactoryBean.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/AsyncRestOperations.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/client/HttpComponentsClientHttpRequestFactory.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/JavaScriptUtils.java
* /spring-web-4-0-1-release-sources-
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* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/bind/annotation/support/HandlerMethodResolver.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/BurlapClientInterceptor.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/ConfigurableWebApplicationContext.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/UrlPathHelper.java
*
/spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/AbstractNamedValueMethodArgumentResolver.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/converter/support/AllEncompassingFormHttpMessageConverter.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/http/client/SimpleBufferingAsyncClientHttpRequest.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/FacesRequestAttributes.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/HandlerMethod.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/AbstractJaxWsServiceExporter.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/annotation/SessionAttributesHandler.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/LocalJaxWsServiceFactory.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AsyncClientHttpRequest.java
*
/spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AsyncClientHttpRequestFactory.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/SimpleHessianServiceExporter.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/jsf/FacesContextUtils.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/support/StaticWebApplicationContext.java

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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/annotation/ModelFactory.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/BufferedImageHttpMessageConverter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AbstractBufferingAsyncClientHttpRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/StreamingHttpOutputMessage.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/json/Jackson2ObjectMapperFactoryBean.java
 *
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/xml/XmlAwareFormHttpMessageConverter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/FacesWebRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/AbstractRefreshableWebApplicationContext.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/CookieGenerator.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/httpinvoker/HttpComponentsHttpInvokerRequestExecutor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/json/MappingJackson2HttpMessageConverter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/XmlWebApplicationContext.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/CookieValue.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/accept/ContentNegotiationManager.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/UriTemplate.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/HttpStatus.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/server/ServerHttpAsyncRequestControl.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/SimpleBufferingClientHttpRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/HttpRequestMethodNotSupportedException.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/jaxws/JaxWsPortClientInterceptor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/InvalidMediaTypeException.java
 *
 /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/BufferingClientHttpResponseWrapper.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/AnnotationConfigWebApplicationContext.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/support/AsyncHttpAccessor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/GenericWebApplicationContext.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/httpinvoker/SimpleHttpInvokerRequestExecutor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/xml/MarshallingHttpMessageConverter.java

* /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/support/WebRequestDataBinder.java
 * /spring-web-4-0-1-release-sources-
 jar/org/springframework/http/server/ServletServerHttpAsyncRequestControl.java
 *
 /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/ContextLoader.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AbstractAsyncClientHttpRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/MediaType.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/ServletContextPropertyUtils.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/async/WebAsyncTask.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/BufferingClientHttpRequestWrapper.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/BurlapProxyFactoryBean.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/BurlapExporter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/AsyncRestTemplate.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/InterceptingClientHttpRequest.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/RequestAttributes.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/AbstractHttpMessageConverter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/WebDataBinder.java
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/BurlapServiceExporter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/async/WebAsyncManager.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/HttpMediaTypeNotSupportedException.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/bind/annotation/ControllerAdvice.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/client/AsyncRequestCallback.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/SimpleClientHttpRequestFactory.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/jsf/el/SpringBeanFacesELResolver.java
 * /spring-web-4-0-1-release-sources-
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 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/HessianServiceExporter.java
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 /spring-web-4-0-1-release-sources-
 jar/org/springframework/web/context/support/ServletContextAwareProcessor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/HessianExporter.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/AbstractClientHttpRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/remoting/caucho/HessianClientInterceptor.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/HttpComponentsClientHttpRequest.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/WebUtils.java
 * /spring-web-4-0-1-release-sources-jar/org/springframework/web/context/request/ServletRequestAttributes.java

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* /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/ControllerAdviceBean.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/util/UriComponentsBuilder.java
*
/spring-web-4-0-1-release-sources-
jar/org/springframework/web/method/support/HandlerMethodReturnValueHandler.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/method/support/InvocableHandlerMethod.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/web/filter/DelegatingFilterProxy.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/converter/ByteArrayHttpMessageConverter.java
* /spring-web-4-0-1-release-sources-jar/org/springframework/http/client/SimpleStreamingClientHttpRequest.java
* /spring-web-4-0-1-release-sources-
jar/org/springframework/web/context/support/StandardServletEnvironment.java

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1.62 xerces2 1.0

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*/

/**
* Checks if this content model has had its min/maxOccurs values reduced for
* purposes of speeding up UPA. If
so, this content model should not be used
* for any purpose other than checking unique particle attribution
*
* @return a boolean that says whether this content has been compacted for UPA
*/

```

Found in path(s):

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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/models/XSCMValidator.java
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- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/NotationImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLTextAreaElementImpl.java
- *
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/BalancedDTDGrammar.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLLinkElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSAttributeGroupDefinition.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLMetaElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/Constants.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/XSFacets.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/PSVIAttrNSImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/EntityResolverWrapper.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/DOMResultAugmentor.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/BooleanDV.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDComplexTypeTraverser.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/XML11Char.java
- *
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/identity/IdentityConstraint.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/util/XSGrammarPool.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/EncodingMap.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/XMLDocumentHandler.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/events/CharactersImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLBuilder.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/dtd/NMTOKENDatatypeValidator.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/models/CMAny.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredDOMImplementationImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xpointer/XPointerErrorHandler.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLStyleElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/datatypes/XSQName.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/QNameDV.java
- *

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/xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLAnchorElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/ParentNode.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSAttributeUseImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/DocumentBuilderFactoryImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/dtd/XML11IDDatatypeValidator.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/JAXPValidationMessageFormatter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLIFrameElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xpath/regex/ParserForXMLSchema.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLTableRowElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/SymbolHash.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSAnnotationImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xml/serialize/DOMSerializerImpl.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/util/XSNamedMap4Types.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredTextImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/IDREFDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/DTDGrammarBucket.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xml/serialize/ElementState.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XMLSchemaException.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/util/XS10TypeHelper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSLoader.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/models/CMBinOp.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/DOMValidatorHelper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLTdElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLDoElementImpl.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLTdElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/ListDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/models/CMBuilder.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLAnchorElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/SecuritySupport.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/io/UTF8Reader.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/XML11EntityScanner.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/AbstractDOMParser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSModelGroupDefinition.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/SecureProcessingConfiguration.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/CommentImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSAbstractTraverser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSGrammarBucket.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/ItemPSVI.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/IntegerDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/XMLEventFactoryImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/ParserConfigurationSettings.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLAccessElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XMLAttributeDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/XMLEntityDescription.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/XMLSymbols.java

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- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/DOMResultBuilder.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/models/DFAContentModel.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLMapElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLOptGroupElementImpl.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLHeadingElementImpl.java
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* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLDOMImplementation.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xinclude/XIncludeMessageFormatter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLDListElementImpl.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLTemplateElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLCardElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/DefaultNamespaceContext.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLAppletElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSAttributeDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xpath/regex/RegexParser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/util/XSInputSource.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLTableCaptionElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredDocumentImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/XMLGrammarCachingConfiguration.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLDoElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/DatatypeValidator.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLPostfieldElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSAnnotationInfo.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/RangeExceptionImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/ElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XMLEntityDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/IntegratedParserConfiguration.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/CoreDocumentImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDelegate.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XMLDTDProcessor.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/URI.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XML11DTDProcessor.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDAbstractParticleTraverser.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/AbstractXMLDocumentParser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredCommentImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSAttributeDeclaration.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/StAXDocumentHandler.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSObject.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredNode.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSParticleDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/SchemaDVFactory.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/grammars/Grammar.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSComplexTypeDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/EntityResolver2Wrapper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/StAXLocationWrapper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/ImmutableLocation.java
*

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/xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredCDATASectionImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/ProcessingInstructionImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/parser/XMLDocumentSource.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/opti/ElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/NodeIteratorImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/grammars/XSGrammar.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/parser/XMLDTDDContentModelFilter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/dtd/DTDDVFactoryImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/ErrorHandlerWrapper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/SAXParserFactoryImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/util/HexBin.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/JAXPNamespacerContextWrapper.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/Version.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/models/SimpleContentModel.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/EmptyXMLSchema.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/events/NamespacerImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xinclude/ObjectFactory.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/datatypes/XSDDecimal.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLBodyElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLNoopElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLMenuElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/SAXLocatorWrapper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/ValidatorHelper.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDAttributeTraverser.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/HexBinaryDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/datatypes/XSDDouble.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/util/Base64.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/AttributeMap.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/XMLGrammarPreparser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/XMLErrorReporter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredEntityReferenceImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/grammars/XMLGrammarLoader.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/DOMInputSource.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XMLDTDValidator.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/models/XSCMUniOp.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/StandardParserConfiguration.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/XMLAttributes.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/MessageFormatter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLPElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLBrElement.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XMLMessageFormatter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/AugmentationsImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DOMStringListImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/identity/UniqueOrKey.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLLegendElementImpl.java

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- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/DefaultValidationErrorHandler.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSAnnotation.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/XMLNSDTDValidator.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/XML11NamespaceBinder.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSModelImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/XMLCatalogResolver.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLGoElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xml/serialize/DOMSerializer.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/NodeListCache.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/YearMonthDurationDV.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DeferredAttrNSImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/SimpleXMLSchema.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLTableElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSElementDecl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLTrElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/StAXInputSource.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/ReadOnlyGrammarPool.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLOptionElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/parser/XMLDocumentScanner.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xni/parser/XMLParserConfiguration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLGoElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/util/ByteListImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/stax/EmptyLocation.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/IntStack.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/ShortList.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xpointer/ShortHandPointer.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/ExtendedSchemaDVFactoryImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLOneventElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/DocumentBuilderImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/NonValidatingConfiguration.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/XML11NSDocumentScannerImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/validation/AbstractXMLSchema.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xml/serialize/BaseMarkupSerializer.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLRefreshElementImpl.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/AnyURIDV.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/StringDV.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xinclude/XIncludeTextReader.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/ExternalSubsetResolver.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/jaxp/datatype/SerializedDuration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dtd/models/ContentModelValidator.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/AbstractSAXParser.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/xerces/util/XMLChar.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLBigElement.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/events/MutationEventImpl.java

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* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLBaseElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLModElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/DatatypeException.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/XSParticle.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/DOMParser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLSelectElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/dom/WMLWmlElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSDDescription.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/PrecisionDecimalDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/wml/WMLInputElement.java
*

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/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XMLSchemaLoader.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/AttrImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSMessageFormatter.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/identity/Selector.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/opti/DefaultDocument.java
* /xercesimpl-2-12-2-sources-jar/org/apache/html/dom/HTMLFormElementImpl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xml/serialize/SecuritySupport.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/XSSimpleType.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/parsers/DTDParser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DOMNormalizer.java
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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/DOMMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/SAXMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xpath/regex/message_fr.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XMLMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/DatatypeMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xpath/regex/message.properties
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XMLSerializerMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xpath/regex/message_ja.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XPointerMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/JAXPValidationMessages.properties
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/msg/XIncludeMessages.properties
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- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASContentModel.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ElementEditAS.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASObject.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASElementDeclaration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASEntityDeclaration.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DOMASWriter.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASDataType.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DOMASException.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/CharacterDataEditAS.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/NodeEditAS.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DocumentEditAS.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DocumentAS.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DOMASBuilder.java
- *
- /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/ASModel.java
- * /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom3/as/DOMImplementationAS.java

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```

```

*/
/**
 * DOM Level 3 LS CR - Experimental.
 * Create a new LSParser. The newly constructed parser may
 *
then be configured by means of its DOMConfiguration
 * object, and used to parse documents by means of its parse
 * method.
 * @param mode The mode argument is either
 * MODE_SYNCHRONOUS or MODE_ASYNCHRONOUS, if
 * mode is MODE_SYNCHRONOUS then the
 * LSParser that is created will operate in synchronous
 * mode, if it's MODE_ASYNCHRONOUS then the
 * LSParser that is created will operate in asynchronous
 * mode.
 * @param schemaType An absolute URI representing the type of the schema
 * language used during the load of a Document using the
 * newly created LSParser. Note that no lexical checking
 * is done on the absolute URI. In order to create a
 * LSParser for any kind of schema types (i.e. the
 * LSParser will be free to use any schema
found), use the value
 * null.
 * <p><b>Note:</b> For W3C XML Schema ["http://www.w3.org/2001/XMLSchema". For XML DTD \["http://www.w3.org/TR/REC-xml". Other Schema languages
 \\* are outside the scope of the W3C and therefore should recommend an
 \\* absolute URI in order to use this method.
 \\* @return The newly created LSParser object. This
 \\* LSParser is either synchronous or asynchronous
 \\* depending on the value of the mode argument.
 \\* <p><b>Note:</b> By default, the newly created LSParser
 \\* does not contain a DOMErrorHandler, i.e. the value of
 \\* the "null. However, implementations
 \\\* may provide a default error handler at creation time. In that case,
 \\\* the initial value of the "error-handler" configuration
 \\\* parameter on the new created LSParser contains a
 \\\* reference to the default error handler.
 \\\* @exception DOMException
 \\\* NOT\\\_SUPPORTED\\\_ERR: Raised if the requested mode or schema type is
 \\\* not supported.
\\\*/

```

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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/CoreDOMImplementationImpl.java

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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/xs/datatypes/package.html

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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/dom/DOMImplementationListImpl.java

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 */

/**
 * used to check the 3 constraints against each complex type
 * (should be each model group):
 * Unique Particle
 * Attribution, Particle Derivation (Restriction),
 * Element Declrations Consistent.
 */
```

Found in path(s):

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSConstraints.java

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* /xercesimpl-2-12-2-sources-jar/org/w3c/dom/html/HTMLDOMImplementation.java

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* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/DayDV.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/AbstractDateTimeDV.java

*

/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSAttributeChecker.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDHandler.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XSModelGroupImpl.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/MonthDV.java

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/DateDV.java

```

* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/traversers/XSDKeyrefTraverser.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/DateTimeDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/xs/XMLSchemaValidator.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/TimeDV.java
*
/xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDecl.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/YearDV.java
* /xercesimpl-2-12-2-sources-jar/org/apache/xerces/impl/dv/xs/DurationDV.java

```

1.63 quick-json 1.0

1.63.1 Available under license :

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1.64 hsql-db 1.0

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/* These are commands which may contain nested commands and/or which
* require the closing semicolon to sent to the DB engine.
* The BEGIN and DECLARE needed for PL/SQL probably do not need to
* terminate the line, as we have it specified here, but I'd rather not be
* too liberal with proprietary SQL like this,
because it's easy to
* envision other proprietary or non-proprietary commands beginning with
* DECLARE or BEGIN. */

Found in path(s):

* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/sqltool/SqlFileScanner.java

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/hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/Clear.png: binary file matches

/hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/Close.png: binary file matches

/hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/Colors.png: binary file matches

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* /bin/grep

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* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/ServerConnection.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/Servlet.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RowAVL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/Transfer.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/NodeAVL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RowAVLDisk.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/Grid.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/SQLStatements.java
*
/hsqldb-2-3-0-sources-1-jar/org/hsqldb/Like.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/TransferCommon.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/IndexAVL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/TransferTable.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/sample/FindFile.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/NodeAVLDisk.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/StringConverter.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/DatabaseManagerCommon.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/CodeSwitcher.java
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- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/HSQLBug.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/IntervalSecondData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/navigator/RowSetNavigatorDataChange.java
- *
 - /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowOutputBinary180.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestGroupByHaving.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/HsqlProperties.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCCallableStatement.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/ClobDataID.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/ClobType.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/IntValueHashMap.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/AppendableException.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/Iterator.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/dbinfo/DatabaseInformation.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputBase.java
 - * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCColumnMetaData.java

- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/LobStoreMem.java
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- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RangeVariableResolver.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestMultipleConnections.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/SessionInterface.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RAStorageWrapper.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/sqltool/Calculator.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestTypeConversion.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rights/GrantConstants.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestKarl.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/scriptio/ScriptReaderText.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/HsqlDatabaseProperties.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputTextLog.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlThreadFactory.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/dbinfo/DatabaseInformationMain.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/BlobInputStream.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowOutputText.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestPreparedSubQueries.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlTimer.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/sqltool/FileRecordReader.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestStoredProcedure.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementSet.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestBug1191815.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputBinary180.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LongKeyLongValueHashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestBench.java
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- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/HsqlDateTime.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/NullType.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/BinaryType.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementSimple.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/SqlTool.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/DataOutputStream.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/sample/ConnectionTypesSample.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/scriptio/ScriptWriterText.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestCascade.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementSchema.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/result/ResultConstants.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/tar/TarGenerator.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/ServerConstants.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/NumberSequence.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCConnectionEventListener.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/scriptio/ScriptReaderBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestTextTable.java

- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RAFile.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestLobs.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCNClob.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TableWorks.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/Collection.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/FunctionSQLInvoked.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCSavepoint.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementTypes.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCDataSourceFactory.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/map/HashIndex.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rights/User.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/TextCache.java
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- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCClob.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionArithmetic.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/OpTypes.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCRowId.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/pool/JDBCXAConnectionWrapper.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/ScriptRunner.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/Trigger.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RAFileHybrid.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/auth/JaasAuthBean.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/tar/TarFileInputStream.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/ServerProperties.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/DataSpaceManagerSimple.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/resources/ResourceBundleHandler.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputTextQuoted.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestSubselect.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/SqlToolError.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/TextFileReader.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/auth/LdapAuthBean.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowOutputInterface.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlArrayList.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LineGroupReader.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCResultSetMetaData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/TransferHelper.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionAccessor.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionArrayAggregate.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/DataSpaceManager.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/navigator/RowSetNavigatorClient.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementDML.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/OdbcPreparedStatement.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/BooleanType.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/TableSpaceManagerSimple.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/Database.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/DataAccessPointException.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/pool/JDBCXAConnection.java

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* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/SchemaObject.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/pool/JDBC pooledDataSource.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputInterface.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ReaderInputStream.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestScript.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LongDeque.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlByteArrayOutputStream.java
*
/hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCResultSet.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/DatabaseURL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/SchemaObjectSet.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/SessionManager.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbcDriver.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/FunctionSQL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ClientConnection.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionOp.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/OdbcPacketOutputStream.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/MD5.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/QuerySpecification.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCArrayBasic.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/JavaObjectData.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JBCDriver.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/DataSpaceManagerBlocks.java
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/hsqldb-2-3-0-sources-1-jar/org/hsqldb/SchemaManager.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBC BlobClient.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestDima.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/StringComparator.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TransactionManager2PL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestHTTPKeepAlive.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementSchemaDefinition.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/PersistentStoreCollection.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlByteArrayInputStream.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/SqlInvariants.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/InputStreamInterface.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/navigator/RowIterator.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestAcl.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/PgType.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/TransferSQLText.java
*
/hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RowStoreAVL.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestOdbcService.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/AbstractTestOdbc.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestDateTime.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/SqlServerTransferHelper.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/MainInvoker.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RowAVLDiskLarge.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/InputStreamWrapper.java

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- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestOdbcTypes.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/TransferDb.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/Schema.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestHashStructures.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/Server.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/LobStoreRAFile.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ArrayCounter.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/sample/Testdb.java
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- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/IntKeyLongValueHashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/DoubleIntIndex.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ArrayListIdentity.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/PersistentStoreCollectionSession.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlTaskQueue.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/Log.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RowStoreAVLMemory.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/SqlToolSprayer.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/Index.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/HsqlServerFactory.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/HsqlSocketFactory.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/DatabaseManagerSwing.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/ServerConfiguration.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCUtil.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ThreadFactory.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestJDBCSavepoints.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/BlobDataID.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/Charset.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TransactionManagerCommon.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCClobClient.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/AllSimpleTests.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/ClearTests.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/scriptio/ScriptReaderDecode.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionLike.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/BaseList.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestSubQueriesInPreparedStatements.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ExpressionAggregate.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/sample/TriggerSample.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/DatabaseManager.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/result/ResultMetaData.java
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- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ParserRoutine.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ValidatingResourceBundle.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/Logger.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ReadWriteLockDummy.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/RefCapablePropertyResourceBundle.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RAShadowFile.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LongKeyHashMap.java

- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/tar/DbBackup.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowInputText.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RowStoreAVLDiskData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCPOOL.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RowStoreDataChange.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/FileArchiver.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/dbinfo/DatabaseInformationFull.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/Cache.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/CommonSwing.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/Waiter.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/RandomAccessInterface.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/JDBCTypes.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/pool/JDBCXAResource.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/sample/DatabaseManagerSample.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCStatementBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/FontDialogSwing.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HsqlHeap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/auth/HsqlDbSlaveAuthBean.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/Constraint.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/auth/AuthBeanMultiplexer.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/ClobData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/DataFileCache.java
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- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/HsqlDbTestCase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TableDerived.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/DataFileCacheSession.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/MultiValueHashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestScripts.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestSchemaParse.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RoutineSchema.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/map/ValuePoolHashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/PostgresTransferHelper.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/scriptio/ScriptWriterBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/server/WebServer.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCBlob.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/tar/PIFData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/OrderedIntHashSet.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/result/ResultProperties.java
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- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/DateTimeType.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/NodeAVLDiskLarge.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/View.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/auth/DenyException.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/BlaineTrig.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/RowDiskDataChange.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/OtherType.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/tar/TarReader.java

- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LongValueHashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestJDBCGeneratedColumns.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/RCDData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/WrapperIterator.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/CachedObjectBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ClosableCharArrayWriter.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/HashMap.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementProcedure.java
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- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestLibSpeed.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/ClobInputStream.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementSession.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/StatementQuery.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestDbBackup.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestInstantiation.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/TimestampData.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TransactionManager.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/test/TestDataStructures.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/types/Collation.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/BasicTextJdkLogFormatter.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/LobStoreInJar.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowOutputBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/ClientConnectionHTTP.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/persist/IntArrayCachedObject.java
- *
- /hsqldb-2-3-0-sources-1-jar/org/hsqldb/TableBase.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/QueryExpression.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/ClosableByteArrayOutputStream.java

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* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/index/IndexAVLMemory.java

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\q to Quit.

\? lists Special Commands.

?: lists Edit-Buffer/History commands.

*? lists PL commands.

/? displays help on how to set and use macros (incl. functions).

SPECIAL Commands begin with '\ ' and execute when you hit ENTER.

EDIT-BUFFER / HISTORY Commands begin with ':' and execute when you hit ENTER.

PROCEDURAL LANGUAGE commands begin with '*' and end when you hit ENTER.

MACRO executions and definitions begin with '/' and end when you hit ENTER.

All other lines comprise SQL Statements (or comments).

SQL Statements are terminated by either unquoted ';' (which executes the statement), or a blank line (which moves the statement into the edit buffer without executing).

After turning on variable expansion with command "*" (or any other PL

command), PL variables may be used in most commands like so: *{PLVARIABLE}.

Be aware when using regular expressions on commands, that the regex.s operate only on the command text after the * or \ prefix, if any.

Found in path(s):

* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/cmdline/sqltool/SqlFile.banner.text

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*/

/**

- * Comprehensive information about the database as a whole.

- * <P>

- * This interface is implemented by driver vendors to let users know the capabilities
- * of a Database Management System (DBMS) in combination with
- * the driver based on JDBCTM technology
- * ("JDBC driver") that is used with it.

Different relational DBMSs often support

- * different features, implement features in different ways, and use different
- * data types. In addition, a driver may implement a feature on top of what the
- * DBMS offers. Information returned by methods in this interface applies
- * to the capabilities of a particular driver and a particular DBMS working
- * together. Note that as used in this documentation, the term "database" is
- * used generically to refer to both the driver and DBMS.

- * <P>

- * A user for this interface is commonly a tool that needs to discover how to
- * deal with the underlying DBMS. This is especially true for applications
- * that are intended to be used with more than one DBMS. For example, a tool might use the method
- * `getTypeInfo` to find out what data types can be used in a
- * `CREATE TABLE` statement. Or a user might call the method
- * `supportsCorrelatedSubqueries` to see if it is possible to use
- * a correlated subquery or `supportsBatchUpdates`
- to see if it is
- * possible to use batch updates.

- * <P>

- * Some `DatabaseMetaData` methods return lists of information
- * in the form of `ResultSet` objects.
- * Regular `ResultSet` methods, such as

- * `getString` and `getInt`, can be used
- * to retrieve the data from these `ResultSet` objects. If
- * a given form of metadata is not available, an empty `ResultSet`
- * will be returned. Additional columns beyond the columns defined to be
- * returned by the `ResultSet` object for a given method
- * can be defined by the JDBC driver vendor and must be accessed
- * by their `column label`.
- * `<P>`
- * Some `DatabaseMetaData` methods take arguments that are
- * String patterns. These arguments all have names such as `fooPattern`.
- * Within a pattern String, "%" means match any substring of 0 or more
- * characters, and "_" means match any one character. Only metadata
- * entries matching the search pattern are returned. If a search pattern
- * argument is set to `null`, that argument's criterion will
- * be dropped from the search.
- * `<P>`
- * A method that gets information about a feature that the driver does not
- * support will throw an `SQLException`.
- * In the case of methods that return a `ResultSet`
- * object, either a `ResultSet` object (which may be empty) is
- * returned or an `SQLException` is thrown.
- * `<!-- start release-specific documentation -->`
- * `<div class="ReleaseSpecificDocumentation">`
- * `<h3>HSQLDB-Specific Information:</h3> <p>`
- * `<h4>Metadata Table Production</h4>`
- * `<p>`
- * Starting with HSQLDB 1.7.2, the metadata table (a.k.a system table) production
- * implementation provided in the default build filters metadata based on each
- * SQL session user's access rights which in turn lifts the pre-HSQLDB 1.7.2
- * restriction that only users with the DBA role
- * ('admin' users in
- older HSQLDB parlance) could expect trouble-free access to
- * all metadata.`<p>`
- * `<p>`
- * Also starting with HSQLDB 1.7.2, the metadata table production implementation
- * classes are loaded dynamically, using a precedence policy to find and load
- * the richest producer available at runtime. In the event that no better
- * alternative is found, the default minimal (completely restricted) provider
- * is selected. Under this scheme, it is possible for third party packagers to
- * create custom distributions targeted at supporting full (design-time),
- * custom-written (proprietary / micro environment), minimal (production-time)
- * or completely-restricted (space-constrained | device embedded | real-time |
- * hostile environment) metadata table production scenarios. To learn more
- * about this option, interested parties can review the documentation and source
- * code for the `org.hsqldb.dbinfo.DatabaseInformation` class.`<p>`
- * `<p>`

* Please also note that in addition to the metadata tables produced to

- * directly support this class, starting with HSQLDB 1.7.2, the default build
- * provides many additional tables covering all or most HSQLDB features, such
- * as descriptions of the triggers and aliases defined in the database. <p>
- *
- * For instance, in the default build, a fairly comprehensive description of
- * each INFORMATION_SCHEMA table and each INFORMATION_SCHEMA table
- * column is included in the REMARKS column of the {@link #getTables(
- * java.lang.String, java.lang.String, java.lang.String, java.lang.String[])
- * getTables(...)} and {@link #getColumns(java.lang.String, java.lang.String,
- * java.lang.String, java.lang.String) getColumns(...)} results, which derive
- * from INFORMATION_SCHEMA.SYSTEM_TABLES and INFORMATION_SCHEMA.SYSTEM_COLUMNS,
- * respectively.<p>
- *

Schema Metadata

* The SQL SCHEMA concept became fully supported in the HSQLDB 1.8.x series and

* this fact is reflected in the all subsequent versions of this class.

* <h4>Catalog

Metadata

* Starting with HSQLDB 2.0, SQL standards compliance up to SQL:2008 and beyond

* is a major theme which is reflected in the provision of the majority of the

* standard-defined full-name INFORMATION_SCHEMA views. <p>

*

* However, just as CATALOG semantics and handling are still considered to be

* implementation defined by the most recent SQL standard (SQL:2008), so is the

* HSQLDB CATALOG concept still in the process of being defined and refined in

* HSQLDB 2.x. and beyond.<p>

*

* Previous to HSQLDB 2.x, there were, at various points in time, experimental

* features provided to turn on pseudo catalog (and before that, pseudo-schema)

* reporting in the system tables, using the database properties

* 'hsqldb.catalogs' and 'hsqldb.schemas', respectively.<p>

*

* However, once the engine fully supported the SQL SCHEMA concept, the

* experimental 'hsqldb.schemas' * database property was retired. <p>

*

* Similarly, starting with HSQLDB 2.x, the 'hsqldb.catalogs'

database property

* has been retired and replaced with the convention that, from the perspective

* of SQL identification, an HSQLDB JDBC URL connects to a single HSQLDB

* database instance which consists of a single, default CATALOG

* named PUBLIC in which each SCHEMA instance of the database resides. The name of

* this catalog can be changed with the ALTER CATALOG <name> RENAME TO statement.

* As of version 2.1.0, HSQLDB supports qualification by the containing CATALOG of

- * database objects at the syntactic level, but does not yet support operations
- * such as opening, manipulating or querying against multiple database
- * catalogs within a single session, not even in a one-at-a-time fashion.<p>

*

* <h4>Index Metadata</h4>

*

- * It must still be noted that as of the most recent release, HSQLDB continues
- * to ignore the <code>approximate</code> argument of {@link #getIndexInfo
- * getIndexInfo()} which continues to be simply indicative of absence of a fully
- * statistics-driven

cost-based SQL plan optimization facility. When,

- * such a facility is implemented, corresponding improvements to
- * <code>getIndexInfo</code> will be provided. <p>

*

* <h4>Notes for developers extending metadata table production</h4>

*

- * Note that in the absence of an ORDER BY clause, queries against the metadata
- * tables that directly support this class are expected to return rows in JDBC
- * contract order. The reason for this is that results typically come
- * back much faster when no "ORDER BY" clause is used. <p>

*

- * As such, when adding, extending or replacing a JDBC database metadata table
- * production routine, developers need to be aware of this fact and either add the
- * contract "ORDER BY" clause to the driving SQL or, when possible,
- * preferably maintain rows in the contract order by correctly coding the
- * primary index definition in the table producer class.<p>

*

* <hr>

*

* JRE 1.1.x Notes: <p>

*

- * In general, JDBC 2 support requires
- Java 1.2 and above, and JDBC3 requires
- * Java 1.4 and above. In HSQLDB, support for methods introduced in different
- * versions of JDBC depends on the JDK version used for compiling and building
- * HSQLDB.<p>

*

- * Since 1.7.0, it is possible to build the product so that
- * all JDBC 2 methods can be called while executing under the version 1.1.x
- * Java Runtime Environment^{TM}.
- * However, some of these method calls require <code>int</code> values that
- * are defined only in the JDBC 2 or greater version of the
- * {@link java.sql.ResultSet ResultSet} interface. For this reason, when the
- * product is compiled under JDK 1.1.x, these values are defined in
- * {@link JDBCResultSet JDBCResultSet}.<p>

*

- * In a JRE 1.1.x environment, calling JDBC 2 methods that take or return the
- * JDBC2-only <code>ResultSet</code> values can be achieved by referring

```

* to them in parameter specifications and return value comparisons,
* respectively, as follows:
<p>
*
* <pre class="JavaCodeExample">
* JDBCResultSet.FETCH_FORWARD
* JDBCResultSet.TYPE_FORWARD_ONLY
* JDBCResultSet.TYPE_SCROLL_INSENSITIVE
* JDBCResultSet.CONCUR_READ_ONLY
* // etc
* </pre>
*
* However, please note that code written in such a manner will not be
* compatible for use with other JDBC 2 drivers, since they expect and use
* <code>ResultSet</code>, rather than <code>JDBCResultSet</code>. Also
* note, this feature is offered solely as a convenience to developers
* who must work under JDK 1.1.x due to operating constraints, yet wish to
* use some of the more advanced features available under the JDBC 2
* specification.<p>
*
* (fredt@users)<br>
* (boucherb@users)
* </div>
* <!-- end release-specific documentation -->
*
* @author Campbell Boucher-Burnet (boucherb@users dot sourceforge.net)
* @author Fred Toussi (fredt@users dot sourceforge.net)
* @version 2.0.1
* @revised JDK 1.6, HSQLDB 2.0
* @revised JDK 1.7, HSQLDB 2.0.1
* @see org.hsqldb.dbinfo.DatabaseInformation
* @see org.hsqldb.dbinfo.DatabaseInformationMain
* @see org.hsqldb.dbinfo.DatabaseInformationFull
*/

```

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* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/jdbc/JDBCDatabaseMetaData.java

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- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/lib/LineReader.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/Server.java
- * /hsqldb-2-3-0-sources-1-jar/org/hsqldb/rowio/RowOutputBinaryEncode.java

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* provides cross-package access to the proprietary (i.e. non-JDBC)
* HSQLDB session interface. <P>
*
* @return the underlying sessionProxy for this connection
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* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/IResolver.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Option.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Line.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Parser.java
*
/hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/AntResolver.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Tokenizer.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/LineType.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Defines.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Document.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/BasicResolver.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/PreprocessorException.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/PreprocessorAntTask.java
* /hsqldb-2-3-0-sources-1-jar/org/hsqldb/util/preprocessor/Preprocessor.java

1.65 connector 1.0

1.65.1 Available under license :

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1.66 ftputil 1.0

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- *
- * Change Log:
- *
- * \$Log: TestDirOperations.java,v \$
- * Revision 1.7 2005/07/15 17:30:06 bruceb
- * rework of unit testing structure
- *
- * Revision 1.6 2005/06/03 11:27:05 bruceb
- * comment update
- *
- * Revision 1.5 2004/08/31 10:44:49 bruceb
- * minor tweaks re compile warnings
- *
- * Revision 1.4 2004/05/01 17:05:43 bruceb
- * Logger stuff added
- *
- * Revision 1.3 2003/05/31 14:54:05 bruceb
- * cleaned up unused imports
- *
- * Revision 1.2 2003/01/29 22:45:28 bruceb
- * ??
- *
- * Revision 1.1 2002/11/19 22:00:15 bruceb
- * New JUnit test cases
- *
- *
- */

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 *
 * Change Log:
 *
 * \$Log: FTPActiveDataSocket.java,v \$
 * Revision 1.5 2005/06/03 11:26:25 bruceb
 * comment change
 *
 * Revision 1.4 2004/07/23 08:27:03 bruceb
 * made public cvsId
 *
 * Revision 1.3 2003/11/15 11:23:55 bruceb
 * changes required for ssl subclasses
 *
 * Revision 1.1 2003/11/02 21:49:52 bruceb
 * implement FTPDataSocket interface
 *
 *
 */

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on
 - * <http://www.enterprisedt.com/forums/index.php>
- * Change Log:
 - * \$Log: TestListings.java,v \$
 - * Revision 1.11 2005/09/21 11:20:20 bruceb
 - * reply code 2
 - *
 - * Revision 1.10 2005/09/21 10:38:47 bruceb
 - * more debug
 - *
 - * Revision 1.9 2005/09/21 08:39:11 bruceb
 - * allow 450 as well as 550 for empty dir
 - *
 - * Revision 1.8 2005/07/22 10:20:09 bruceb
 - * cater for SSH tests
 - *
 - * Revision 1.7 2005/07/15 17:30:06 bruceb
 - * rework of unit testing structure
 - *
 - * Revision 1.6 2005/06/03 11:27:05 bruceb
 - * comment update
 - *
 - * Revision 1.5 2004/08/31 10:44:49 bruceb
 - * minor tweaks re compile warnings
 - *
 - * Revision 1.4 2004/05/01 17:05:43 bruceb
 - * Logger stuff added
 - *
 - * Revision 1.3 2004/04/17 18:38:38 bruceb
 - * tweaks for ssl and new parsing functionality


```

*
*   Revision 1.2  2003/05/31 14:54:05  bruceb
*   cleaned up
*   unused imports
*
*   Revision 1.1  2002/11/19 22:00:15  bruceb
*   New JUnit test cases
*
*
*/

```

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```

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*
* $Log: FileAppender.java,v $
* Revision 1.3  2005/01/28 16:39:15  bruceb
* flush FileAppender
*
* Revision 1.2  2004/08/16 21:08:08  bruceb
* made cvsids public
*
* Revision 1.1  2004/05/01 16:55:42  bruceb
* first cut

```

*
*
*/

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*

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*

* Change Log:

*

* \$Log: FTPPassiveDataSocket.java,v \$

* Revision 1.5 2005/06/03 11:26:25 bruceb

* comment change

*

* Revision 1.4 2004/07/23 08:32:16 bruceb

* made cvsId public

*

* Revision 1.3 2003/11/15 11:23:55 bruceb

* changes required for ssl subclasses

*

* Revision 1.1 2003/11/02 21:49:52 bruceb

* implement FTPDataSocket interface

*

*

*/

Found in path(s):

* /edftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPPassiveDataSocket.java

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*

* Change Log:

*

* \$Log: Appender.java,v \$

* Revision 1.1 2004/05/01 16:55:41 bruceb

* first cut

*

*

*/

Found in path(s):

* /edftpj-1-5-3-sources-jar/com/enterprisedt/util/debug/Appender.java

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*
* Change Log:
*
* $Log: FTPClientTest.java,v $
* Revision 1.6 2005/06/03 11:27:05 bruceb
* comment update
*
* Revision 1.5 2004/08/31 10:45:08 bruceb
* assign args correctly
*
* Revision 1.4 2004/05/01 16:56:14 bruceb
* cleaned up and deprecated
*
* Revision 1.3 2002/11/19 22:00:41 bruceb
* simple test case
*
*/

```

Found in path(s):

```
* /edtfstp-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/FTPClientTest.java
```

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```
/**
```

```
*
```

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*
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- *
- * Change Log:
- *
- * \$Log: BaseIOException.java,v \$
- * Revision 1.1 2006/03/16 21:49:54 hans
- * Added getInnerThrowable which is used in place of getCause (which is not supported pre JDK1.4)
- *
- */

Found in path(s):

- * /edtftpj-1-5-3-sources-jar/com/enterprisedt/BaseIOException.java

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```

```

*
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*
* Change Log:
*
* $Log: TestTransfer.java,v $
* Revision 1.8 2005/10/10 20:43:39 bruceb
* append now in FTPClientInterface
*
* Revision 1.7 2005/07/15 17:30:06 bruceb
* rework of unit testing structure
*
* Revision 1.6 2005/06/03 11:27:05 bruceb
* comment update
*
* Revision 1.5 2004/08/31 10:44:49 bruceb
* minor tweaks re compile warnings
*
* Revision 1.4 2004/05/01 17:05:43 bruceb
* Logger stuff added
*
* Revision 1.3 2003/11/03 21:18:51 bruceb
* added test of progress callback
*
* Revision 1.2 2003/05/31 14:54:05 bruceb
* cleaned up unused imports
*
* Revision 1.1 2002/11/19 22:00:15 bruceb
* New JUnit test cases
*
*
*/

```

Found in path(s):

```
* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestTransfer.java
```

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```
/**
```

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- on
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- *
- * Change Log:
- *
- * \$Log: VMSTests.java,v \$
- * Revision 1.2 2005/07/15 17:30:06 bruceb
- * rework of unit testing structure
- *
- * Revision 1.1 2005/06/03 11:26:49 bruceb
- * new tests
- *
- *
- */

Found in path(s):

- * /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/VMSTests.java

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*
* Change Log:
*
* $Log: Logger.java,v $
* Revision 1.10 2006/05/22 01:53:03 hans
* Added method for dumping byte-arrays as hex
*
* Revision 1.9 2006/03/16 21:49:07 hans
* Added support for logging of exception causes
*
* Revision 1.8 2005/02/04 12:29:08 bruceb
* add exception message to output
*
* Revision 1.7 2004/10/20 21:03:09 bruceb
* catch SecurityExceptions
*
* Revision 1.6 2004/09/17 12:27:11 bruceb
* 1.1 compat
*
* Revision 1.5 2004/08/31 13:54:50 bruceb
* remove compile warnings
*
* Revision 1.4 2004/08/16 21:08:08 bruceb
* made cvsids public
*
* Revision 1.3 2004/06/25 11:52:26 bruceb
* fixed logging bug
*
* Revision 1.2 2004/05/08 21:13:51 bruceb
* renamed property
*
* Revision 1.1 2004/05/01 16:55:42 bruceb
* first cut
*
*/

```

Found in path(s):

```
* /edtfpj-1-5-3-sources-jar/com/enterprisedt/util/debug/Logger.java
```

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- *
- * Change Log:
- *
- * \$Log: TestFileOperations.java,v \$
- * Revision 1.8 2005/07/15 17:30:06 bruceb
- * rework of unit testing structure
- *
- * Revision 1.7 2005/06/03 11:27:05 bruceb
- * comment update
- *
- * Revision 1.6 2004/08/31 10:44:49 bruceb
- * minor tweaks re compile warnings
- *
- * Revision 1.5 2004/05/01 17:05:43 bruceb
- * Logger stuff added
- *
- * Revision 1.4 2004/04/17 18:38:38 bruceb
- * tweaks for ssl and new parsing functionality
- *
- * Revision 1.3 2003/11/02 21:51:32 bruceb
- * test for size()
- *
- * Revision 1.2 2003/05/31 14:54:05 bruceb
- * cleaned up unused imports

*
* Revision 1.1 2002/11/19 22:00:15 bruceb
* New JUnit test cases
*
*
*/

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestFileOperations.java
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*
* Change Log:
*
* \$Log: TestResume.java,v \$
* Revision 1.6 2005/11/15 21:07:30 bruceb
* disconnect when cancelled and reconnect
*
* Revision 1.5 2005/11/10 19:46:45 bruceb
* uses FTPTransferCancelledException
*
* Revision 1.4 2005/07/15 17:30:06 bruceb
* rework of unit testing structure

```

*
* Revision 1.3 2005/06/03 11:27:05 bruceb
* comment update
*
* Revision 1.2 2004/08/31 13:49:01 bruceb
* test cancelResume()
*
* Revision 1.1 2004/08/31 10:44:17 bruceb
* test code
*
*/

```

Found in path(s):

```
* /edftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestResume.java
```

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*
* Change Log:
*
* $Log: FTPControlSocket.java,v $
* Revision 1.30 2006/07/27 14:11:00 bruceb
* IPV6 changes (for subclass)
*

```

- * Revision 1.29 2006/05/23 00:17:42 bruceb
- * apply timeout to active data socket
- *
- * Revision 1.28 2006/03/09 21:44:24 bruceb
- * made PASV parsing cleaner
- *
- * Revision 1.27 2006/02/16 19:47:57 hans
- * Changed comment
- *
- * Revision 1.26 2006/02/09 09:00:44 bruceb
- * fix to allow for missing end bracket re PASV response
- *
- * Revision 1.25 2005/09/21 08:38:53 bruceb
- * allow 230 to be initial server response
- *
- * Revision 1.24 2005/09/02 21:02:44 bruceb
- * bug fix in readreply
- *
- * Revision 1.23 2005/08/26 17:48:26 bruceb
- * passive ip address setting
- *
- * Revision 1.22 2005/08/04 22:08:42 hans
- * Remember encoding so that it can be reused
- when initStreams is called in places other than the constructor
- *
- * Revision 1.21 2005/06/10 15:43:59 bruceb
- * message length check
- *
- * Revision 1.20 2005/06/03 11:26:25 bruceb
- * comment change
- *
- * Revision 1.21 2005/05/15 20:44:15 bruceb
- * removed debug
- *
- * Revision 1.20 2005/05/15 19:46:28 bruceb
- * changes for testing setActivePortRange + STOR accepting 350 nonstrict
- *
- * Revision 1.19 2005/03/26 12:35:45 bruceb
- * allow for blank lines in server replies
- *
- * Revision 1.18 2004/11/19 08:28:10 bruceb
- * added setPORTIP()
- *
- * Revision 1.17 2004/10/18 15:56:46 bruceb
- * set encoding for sock, remove sendCommandOld etc
- *
- * Revision 1.16 2004/09/18 09:33:47 bruceb
- * 1.1.8 tweaks

```

*
*   Revision 1.15  2004/08/31 10:46:59  bruceb
*   restructured reply code
*
*   Revision 1.14  2004/07/23 23:29:57  bruceb
*   sendcommand
public again
*
*   Revision 1.13  2004/07/23 08:30:40  bruceb
*   restructured re non-strict replies
*
*   Revision 1.12  2004/05/22 16:52:57  bruceb
*   message listener
*
*   Revision 1.11  2004/05/01 17:05:15  bruceb
*   Logger stuff added
*
*   Revision 1.10  2004/03/23 20:25:47  bruceb
*   added US-ASCII to control stream constructor
*
*   Revision 1.9   2003/11/15 11:23:55  bruceb
*   changes required for ssl subclasses
*
*   Revision 1.6   2003/05/31 14:53:44  bruceb
*   1.2.2 changes
*
*   Revision 1.5   2003/01/29 22:46:08  bruceb
*   minor changes
*
*   Revision 1.4   2002/11/19 22:01:25  bruceb
*   changes for 1.2
*
*   Revision 1.3   2001/10/09 20:53:46  bruceb
*   Active mode changes
*
*   Revision 1.1   2001/10/05 14:42:04  bruceb
*   moved from old project
*
*/

```

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 *
 * Change Log:
 *
 * \$Log: FTPConnectMode.java,v \$
 * Revision 1.4 2005/06/03 11:26:25 bruceb
 * comment change
 *
 * Revision 1.3 2004/07/23 08:27:19 bruceb
 * made public cvsId
 *
 * Revision 1.2 2002/11/19 22:01:25 bruceb
 * changes for 1.2
 *
 * Revision 1.1 2001/10/09 20:53:46 bruceb
 * Active mode changes
 *
 * Revision 1.1 2001/10/05 14:42:04 bruceb
 * moved from old project
 *
 *
 */

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPConnectMode.java

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 *
 * Change Log:
 *
 * $Log: FTPReply.java,v $
 * Revision 1.4 2005/06/03 11:26:25 bruceb
 * comment change
 *
 * Revision 1.3 2004/08/31 10:46:11 bruceb
 * data lines added
 *
 * Revision 1.2 2004/07/23 08:28:19 bruceb
 * new constructor
 *
 * Revision 1.1 2002/11/19 22:01:25 bruceb
 * changes for 1.2
 */

```

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```
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 *
 *  Bug fixes, suggestions and comments should be should posted
on
 *  http://www.enterprisedt.com/forums/index.php
 *
 *  Change Log:
 *
 *  $Log: FTPFile.java,v $
 *  Revision 1.12 2006/02/09 09:01:52 bruceb
 *  made setters public
 *
 *  Revision 1.11 2005/06/03 11:26:05 bruceb
 *  VMS stuff
 *
 *  Revision 1.10 2005/03/03 21:06:46 bruceb
 *  removed type
 *
 *  Revision 1.9 2005/02/04 12:21:30 bruceb
 *  made FTPFile constructor public
 *
 *  Revision 1.8 2004/09/17 14:13:00 bruceb
 *  added link count
 *
 *  Revision 1.7 2004/09/02 11:02:31 bruceb
 *  rolled back
 *
 *

```


*/

Found in path(s):

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*

* Change Log:

*

* \$Log: TestGeneral.java,v \$

* Revision 1.5 2005/07/15 17:30:06 bruceb

* rework of unit testing structure

*

* Revision 1.4 2005/06/03 11:27:05 bruceb

* comment update

*

* Revision 1.3 2004/08/31 10:44:49 bruceb

* minor tweaks re compile warnings

*

* Revision 1.2 2003/05/31 14:54:05 bruceb

* cleaned up unused imports

*

* Revision 1.1 2002/11/19 22:00:15 bruceb

* New JUnit test cases
*
*
*/

Found in path(s):

* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestGeneral.java

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*

* Bug fixes, suggestions and comments should be sent to bruce@enterprisedt.com

*

* Change Log:

*

* \$Log: Level.java,v \$

* Revision 1.6 2005/02/04 12:20:37 bruceb

* made getLevel public

*

* Revision 1.5 2004/08/31 13:54:49 bruceb

* remove compile warnings

*

* Revision 1.4 2004/08/16 21:08:08 bruceb

* made cvsids public

*

* Revision 1.3 2004/06/25 11:52:26 bruceb

* fixed logging bug

*

* Revision 1.2 2004/05/08 21:14:20 bruceb

* string -> level

*
* Revision 1.1 2004/05/01 16:55:42 bruceb
* first cut
*
*
*/

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* /edtfpj-1-5-3-sources-jar/com/enterprisedt/util/debug/Level.java
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*
* Change Log:
*
* \$Log: FTPTransferType.java,v \$
* Revision 1.6 2005/06/03 11:26:25 bruceb
* comment change
*
* Revision 1.5 2004/07/23 08:28:54 bruceb
* made public cvsId
*
* Revision 1.4 2002/11/19 22:01:25 bruceb
* changes for 1.2

```

*
*   Revision 1.3  2001/10/09 20:54:08  bruceb
*   No change
*
*   Revision 1.1  2001/10/05 14:42:04  bruceb
*   moved from old project
*
*
*/

```

Found in path(s):

```

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPTransferType.java
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 *  http://www.enterprisedt.com/forums/index.php
 *
 *  Change Log:
 *
 *  $Log: TestBigTransfer.java,v $
 *  Revision 1.2  2005/07/15 17:30:06  bruceb
 *  rework of unit testing structure
 *
 *  Revision 1.1  2005/03/18 13:42:06  bruceb
 *  tests big files

```

```
*
*   Revision 1.1 2005/01/14 18:07:37 bruceb
*   bulk test2 TestBulkTransfer.java
*
*
*/
```

Found in path(s):

```
* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestBigTransfer.java
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```

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*
*

```

Change Log:

```
*
*   $Log: FTPClientInterface.java,v $
*   Revision 1.9 2006/02/09 09:02:15 bruceb
*   fixed comment re dirname
*
*   Revision 1.8 2005/11/15 21:02:14 bruceb
*   augment javadoc
*
*   Revision 1.7 2005/11/10 19:45:18 bruceb
*   added resume & cancel methods

```

```

*
*   Revision 1.6  2005/11/09 21:15:19  bruceb
*   added set/get for autodetect
*
*   Revision 1.5  2005/10/10 20:42:56  bruceb
*   append now in FTPClientInterface
*
*   Revision 1.4  2005/07/11 21:14:58  bruceb
*   add set/get transfer type
*
*   Revision 1.3  2005/06/16 21:41:34  hans
*   Added RemoteHost and RemotePort accessors as well as connect() method.
*
*   Revision 1.2  2005/06/03 11:26:25  bruceb
*   comment change
*/

```

Found in path(s):

```
* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPClientInterface.java
```

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 *
 *

```

Change Log:

```
*
* $Log: TestTools.java,v $
* Revision 1.3 2006/02/16 19:49:14 hans
* Fixed comments.
*
* Revision 1.2 2005/10/15 22:45:36 bruceb
* added getters
*
* Revision 1.1 2005/07/15 14:41:12 bruceb
* needed for rework of unit testing structure
*
*/
```

Found in path(s):

```
* /edftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestTools.java
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*
* Change Log:
*
* $Log: FTPClient.java,v $
* Revision 1.56 2006/07/27 14:12:01 bruceb
```

* IPV6 changes and fixed bug re control channel messages after unexpected close on data connection

*

* Revision 1.55 2006/05/22 01:54:42 hans

* Made remoteHost protected.

*

* Revision 1.54 2006/02/16 19:47:09 hans

* Added comment

*

* Revision 1.53 2005/11/15 21:02:32 bruceb

* more debug

*

* Revision 1.52 2005/11/10 19:46:13 bruceb

* delegate resume comments to FTPClientInterface

*

* Revision 1.51 2005/11/10 13:40:28 bruceb

* more elaborate versioning info to debug

*

* Revision 1.50 2005/11/09 21:15:38 bruceb

* autodetect file types

*

* Revision 1.49 2005/10/10 20:42:56 bruceb

* append now in FTPClientInterface

*

* Revision 1.48 2005/09/29 16:03:06 bruceb

* permit

350 return from STOR

*

* Revision 1.47 2005/09/21 10:38:06 bruceb

* fix for LIST error re empty dir (proFTPD/TLS)

*

* Revision 1.46 2005/09/20 09:44:36 bruceb

* extra no files found string, SYST accepts 213

*

* Revision 1.45 2005/09/02 21:03:04 bruceb

* no abort() with cancel

*

* Revision 1.44 2005/08/26 17:48:16 bruceb

* passive ip address setting + ASCII optimisation

*

* Revision 1.43 2005/06/17 18:25:56 bruceb

* fix javadoc

*

* Revision 1.42 2005/06/16 21:39:49 hans

* deprecated ControlPort accessors and removed comments for FTPClientInterface methods

*

* Revision 1.41 2005/06/10 15:44:38 bruceb

* added noOperation() and connected()

*

- * Revision 1.40 2005/06/03 11:25:17 bruceb
- * ascii fixes, setActivePortRange
- *
- * Revision 1.41 2005/05/24 11:32:28 bruceb
- * version + timestamp info in static block
- *
- * Revision
- 1.40 2005/05/15 19:46:28 bruceb
- * changes for testing setActivePortRange + STOR accepting 350 nonstrict
- *
- * Revision 1.39 2005/04/01 13:58:15 bruceb
- * restructured dir() exception handling + quote() change
- *
- * Revision 1.38 2005/03/18 11:04:32 bruceb
- * deprecated constructors
- *
- * Revision 1.37 2005/03/11 14:40:11 bruceb
- * added cdup() and changed buffer defaults
- *
- * Revision 1.36 2005/03/03 21:07:14 bruceb
- * implement interface & augment login doco
- *
- * Revision 1.35 2005/02/04 12:40:35 bruceb
- * tidied javadoc
- *
- * Revision 1.34 2005/02/04 12:28:51 bruceb
- * when getting, if file exists and is readonly, exception is thrown
- *
- * Revision 1.33 2005/01/28 13:55:39 bruceb
- * added ACCT handling
- *
- * Revision 1.32 2005/01/14 20:27:02 bruceb
- * exception restructuring + ABOR
- *
- * Revision 1.31 2004/11/19 08:28:10 bruceb
- *
- added setPORTIP()
- *
- * Revision 1.30 2004/10/18 15:54:48 bruceb
- * clearSOCKS added, set encoding for control sock, locale for parser
- *
- * Revision 1.29 2004/09/21 21:28:28 bruceb
- * fixed javadoc comment
- *
- * Revision 1.28 2004/09/18 14:27:57 bruceb
- * features() throw exception if not supported
- *
- * Revision 1.27 2004/09/18 09:33:47 bruceb

- * 1.1.8 tweaks
- *
- * Revision 1.26 2004/09/17 14:12:38 bruceb
- * fixed javadoc re filemasks
- *
- * Revision 1.25 2004/09/14 06:24:03 bruceb
- * fixed javadoc comment
- *
- * Revision 1.24 2004/08/31 13:48:29 bruceb
- * resume,features,restructure
- *
- * Revision 1.23 2004/07/23 08:34:32 bruceb
- * strict replies or not, better tfr monitor reporting
- *
- * Revision 1.22 2004/06/25 11:47:46 bruceb
- * made 1.1.x compatible
- *
- * Revision 1.21 2004/06/11 10:20:35 bruceb
- * permit 200 to be returned
- from various cmds
- *
- * Revision 1.20 2004/05/22 16:52:57 bruceb
- * message listener
- *
- * Revision 1.19 2004/05/15 22:37:22 bruceb
- * put debugResponses back in
- *
- * Revision 1.18 2004/05/13 23:00:34 hans
- * changed comment
- *
- * Revision 1.17 2004/05/08 21:14:41 bruceb
- * checkConnection stuff
- *
- * Revision 1.14 2004/04/19 21:54:06 bruceb
- * final tweaks to dirDetails() re caching
- *
- * Revision 1.13 2004/04/18 11:16:44 bruceb
- * made validateTransfer() public
- *
- * Revision 1.12 2004/04/17 18:37:38 bruceb
- * new parse functionality
- *
- * Revision 1.11 2004/03/23 20:26:49 bruceb
- * tweak to size(), catch exceptions on puts()
- *
- * Revision 1.10 2003/11/15 11:23:55 bruceb
- * changes required for ssl subclasses
- *

- * Revision 1.6 2003/05/31 14:53:44 bruceb
- * 1.2.2 changes
- *
- * Revision 1.5 2003/01/29 22:46:08
bruceb
- * minor changes
- *
- * Revision 1.4 2002/11/19 22:01:25 bruceb
- * changes for 1.2
- *
- * Revision 1.3 2001/10/09 20:53:46 bruceb
- * Active mode changes
- *
- * Revision 1.1 2001/10/05 14:42:03 bruceb
- * moved from old project
- *
- */

Found in path(s):

- * /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPClient.java

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*

```

* Change Log:
*
* $Log: UnixFileParser.java,v $
* Revision 1.13 2006/05/23 04:10:17 bruceb
* support Unix listing starting with 'p'
*
* Revision 1.12 2005/06/03 11:26:25 bruceb
* comment change
*
* Revision 1.11 2005/04/01 13:57:15 bruceb
* minor tweak re groups
*
* Revision 1.10 2004/10/19 16:15:49 bruceb
* minor restructuring
*
* Revision 1.9 2004/10/18 15:58:15 bruceb
* setLocale
*
* Revision 1.8 2004/09/20 21:36:13 bruceb
* tweak to skip invalid lines
*
* Revision 1.7 2004/09/17 14:56:54 bruceb
* parse fixes including wrong year
*
* Revision 1.6 2004/07/23 08:32:36 bruceb
* made cvsId public
*
* Revision 1.5 2004/06/11 10:19:59 bruceb
* fixed bug re filename same as user
*
* Revision 1.4 2004/05/20 19:47:00 bruceb
* blanks in names fix
*
* Revision 1.3 2004/05/05 20:27:41 bruceb
* US locale for date
  formats
*
* Revision 1.2 2004/05/01 11:44:21 bruceb
* modified for server returning "total 3943" as first line
*
* Revision 1.1 2004/04/17 23:42:07 bruceb
* file parsing part II
*
* Revision 1.1 2004/04/17 18:37:23 bruceb
* new parse functionality
*
*/

```

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*

* Change Log:

*

* \$Log: FTPTransferCancelledException.java,v \$

* Revision 1.2 2006/02/16 19:48:48 hans

* Fixed comment

*

* Revision 1.1 2005/11/10 19:44:00 bruceb

* for when transfers are cancelled

*

* Revision 1.6 2005/06/03 11:26:25 bruceb

* comment change

*

* Revision 1.5 2004/07/23 08:27:43 bruceb

* new constructor

*

* Revision 1.4 2002/11/19 22:01:25 bruceb

* changes for 1.2

*

- * Revision 1.3 2001/10/09 20:54:08 bruceb
- * No change
- *
- * Revision 1.1 2001/10/05 14:42:04 bruceb
- * moved from old project
- *
- */

Found in path(s):

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- *
- * Change Log:
- *
- * \$Log: TestPortRange.java,v \$
- * Revision 1.3 2005/10/10 20:54:16 hans
- * Fixed up imports.
- *
- * Revision 1.2 2005/07/15 17:30:06 bruceb
- * rework of unit testing structure
- *
- * Revision 1.1 2005/06/03 11:26:49 bruceb

```

*    new tests
*
*    Revision 1.1  2005/05/15 19:45:36  bruceb
*    changes for testing setActivePortRange
*
*    Revision 1.1  2005/01/14 18:07:37  bruceb
*    bulk test2 TestBulkTransfer.java
*
*
*/

```

Found in path(s):

```

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```

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*
*  Change Log:
*
*  $Log: FTPTestCase.java,v $
*  Revision 1.16  2005/07/15 17:30:06  bruceb
*  rework of unit testing structure
*
*  Revision 1.15  2005/07/11 21:15:31  bruceb

```

- * minor tweak re listings
- *
- * Revision 1.14 2005/06/03 11:27:05 bruceb
- * comment update
- *
- * Revision 1.14 2005/05/15 19:45:36 bruceb
- * changes for testing setActivePortRange
- *
- * Revision 1.13 2005/03/18 11:12:44 bruceb
- * deprecated constructors
- *
- * Revision 1.12 2005/01/14 18:07:19 bruceb
- * bulk count added
- *
- * Revision 1.11 2004/10/18 15:58:58 bruceb
- * test encoding constructor
- *
- * Revision 1.10 2004/08/31 10:44:49 bruceb
- * minor tweaks re compile warnings
- *
- * Revision 1.9 2004/07/23 08:33:44 bruceb
- * enable testing for strict replies or not
- *
- * Revision 1.8 2004/06/25
- 12:03:54 bruceb
- * get mode from sys property
- *
- * Revision 1.7 2004/05/11 21:58:05 bruceb
- * getVersion() added
- *
- * Revision 1.6 2004/05/01 17:05:59 bruceb
- * cleaned up and deprecated
- *
- * Revision 1.5 2004/04/17 18:38:38 bruceb
- * tweaks for ssl and new parsing functionality
- *
- * Revision 1.4 2004/04/05 20:58:41 bruceb
- * latest hans tweaks to tests
- *
- * Revision 1.3 2003/11/02 21:51:44 bruceb
- * fixed bug re transfer mode not being set
- *
- * Revision 1.2 2003/05/31 14:54:05 bruceb
- * cleaned up unused imports
- *
- * Revision 1.1 2002/11/19 22:00:15 bruceb
- * New JUnit test cases
- *

*
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*

* Change Log:

*

* \$Log: TestBulkTransfer.java,v \$

* Revision 1.3 2005/07/15 17:30:06 bruceb

* rework of unit testing structure

*

* Revision 1.2 2005/06/03 11:27:05 bruceb

* comment update

*

* Revision 1.2 2005/05/15 19:45:36 bruceb

* changes for testing setActivePortRange

*

* Revision 1.1 2005/01/14 18:07:37 bruceb

* bulk test2 TestBulkTransfer.java

*

*
*/

Found in path(s):

* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestBulkTransfer.java

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* Change Log:

*

* \$Log: FTPDataSocket.java,v \$

* Revision 1.7 2005/06/03 11:26:25 bruceb

* comment change

*

* Revision 1.6 2003/11/15 11:23:55 bruceb

* changes required for ssl subclasses

*

* Revision 1.4 2003/11/02 21:50:14 bruceb

* changed FTPDataSocket to an interface

*

* Revision 1.3 2003/05/31 14:53:44 bruceb

* 1.2.2 changes

*

- * Revision 1.2 2002/11/19 22:01:25 bruceb
- * changes for 1.2
- *
- * Revision 1.1 2001/10/09 20:53:46 bruceb
- * Active mode changes
- *
- * Revision 1.1 2001/10/05 14:42:03 bruceb
- * moved from old project
- *
- */

Found in path(s):

- * /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPDataSocket.java

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- *
- * Change Log:
- *
- * \$Log: TestTimeout.java,v \$
- * Revision 1.8 2005/07/15 17:30:06 bruceb
- * rework of unit testing structure
- *
- * Revision 1.7 2005/06/03 11:27:05 bruceb

- * comment update
- *
- * Revision 1.6 2004/08/31 10:44:49 bruceb
- * minor tweaks re compile warnings
- *
- * Revision 1.5 2004/05/01 17:05:43 bruceb
- * Logger stuff added
- *
- * Revision 1.4 2004/04/17 18:38:38 bruceb
- * tweaks for ssl and new parsing functionality
- *
- * Revision 1.3 2004/04/05 20:58:42 bruceb
- * latest hans tweaks to tests
- *
- * Revision 1.2 2003/05/31 14:54:05 bruceb
- * cleaned up unused imports
- *
- * Revision 1.1 2003/01/29 22:45:35 bruceb
- * ??
- *
- * Revision 1.1 2002/11/19 22:00:15 bruceb
- * New JUnit test cases
- *
- *
- */

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestTimeout.java

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*
* Change Log:

*
* \$Log: TestFeatures.java,v \$
* Revision 1.4 2005/07/15 17:30:06 bruceb
* rework of unit testing structure
*
* Revision 1.3 2005/06/03 11:27:05 bruceb
* comment update
*
* Revision 1.2 2004/09/18 14:28:23 bruceb
* rename test method
*
* Revision 1.1 2004/08/31 10:44:17 bruceb
* test code
*
*
*/

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/TestFeatures.java

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- *
- * Change Log:
- *
- *
- */

Found in path(s):

* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/VMSFileParser.java

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 *
 * Change Log:
 *
 * $Log: FTPFileParser.java,v $
 * Revision 1.6 2005/07/22 10:25:12 bruceb
 * upped MAX_FIELDS

```

- *
 - * Revision 1.5 2005/06/03 11:26:25 bruceb
 - * comment change
- *
 - * Revision 1.4 2004/10/18 15:57:51 bruceb
 - * setLocale added
- *
 - * Revision 1.3 2004/07/23 08:29:57 bruceb
 - * updated comment
- *
 - * Revision 1.2 2004/06/25 11:48:30 bruceb
 - * changed MAX_FIELDS to 20
- *
 - * Revision 1.1 2004/04/17 23:42:07 bruceb
 - * file parsing part II
- *
 - * Revision 1.1 2004/04/17 18:37:23 bruceb
 - * new parse functionality
- */

Found in path(s):

- * /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPFileParser.java

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* Change Log:

*

* \$Log: FTPException.java,v \$

* Revision 1.7 2005/11/10 19:44:10 bruceb

* added serial uid

*

* Revision 1.6 2005/06/03 11:26:25 bruceb

* comment change

*

* Revision 1.5 2004/07/23 08:27:43 bruceb

* new constructor

*

* Revision 1.4 2002/11/19 22:01:25 bruceb

* changes for 1.2

*

* Revision 1.3 2001/10/09 20:54:08 bruceb

* No change

*

* Revision 1.1 2001/10/05 14:42:04 bruceb

* moved from old project

*

*/

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPEException.java

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*
* Change Log:
*
* $Log: FTPMessageCollector.java,v $
* Revision 1.2 2005/06/03 11:26:25 bruceb
* comment change
*
* Revision 1.1 2004/05/22 16:52:57 bruceb
* message listener
*
*/

```

Found in path(s):

```

* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPMessageCollector.java
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```

```

*
* Change Log:
*
* $Log: FTPFileFactory.java,v $
* Revision 1.12  2006/05/24 11:35:54  bruceb
* fix VMS problem for listings over 3+ lines
*
* Revision 1.11  2006/01/08 19:10:19  bruceb
* better error information
*
* Revision 1.10  2005/06/10 15:43:41  bruceb
* more VMS tweaks
*
* Revision 1.9  2005/06/03 11:26:05  bruceb
* VMS stuff
*
* Revision 1.8  2005/04/01 13:57:35  bruceb
* added some useful debug
*
* Revision 1.7  2004/10/19 16:15:16  bruceb
* swap to unix if seems like unix listing
*
* Revision 1.6  2004/10/18 15:57:16  bruceb
* set locale
*
* Revision 1.5  2004/08/31 10:45:50  bruceb
* removed unused import
*
* Revision 1.4  2004/07/23 08:31:52  bruceb
* parser rotation
*
* Revision 1.3  2004/05/01 11:44:21  bruceb
* modified for server returning "total 3943" as first line
*
* Revision 1.2  2004/04/17 23:42:07  bruceb
* file parsing part II
*
* Revision 1.1  2004/04/17 18:37:23  bruceb
* new parse functionality
*
*/

```

Found in path(s):

```
* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPFileFactory.java
```

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```
/**
```

```
*
```

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 *
 * Change Log:
 *
 * \$Log: FTPProgressMonitor.java,v \$
 * Revision 1.2 2005/06/03 11:26:25 bruceb
 * comment change
 *
 * Revision 1.1 2003/11/03 21:19:09 bruceb
 * progress callback
 *
 *
 */

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* /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPProgressMonitor.java

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- *

Change Log:

- *
- * \$Log: FTPTestTools.java,v \$
- * Revision 1.3 2005/11/09 21:21:09 bruceb
- * detect transfer mode on
- *
- * Revision 1.2 2005/08/26 17:48:33 bruceb
- * passive ip address setting
- *
- * Revision 1.1 2005/07/15 14:41:12 bruceb
- * needed for rework of unit testing structure
- *
- */

Found in path(s):

- * /edtftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/test/FTPTestTools.java

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- *
- * Change Log:
- *
- * \$Log: FTPMessageListener.java,v \$
- * Revision 1.2 2005/06/03 11:26:25 bruceb
- * comment change
- *
- * Revision 1.1 2004/05/22 16:52:57 bruceb
- * message listener
- *
- */

Found in path(s):

* /edtfpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/FTPMessageListener.java

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*

* Change Log:

*

* \$Log: WindowsFileParser.java,v \$

* Revision 1.10 2005/06/03 11:26:25 bruceb

* comment change

*

* Revision 1.9 2004/10/18 21:07:31 bruceb

* tweaked name finding

*

* Revision 1.8 2004/10/18 15:58:33 bruceb

* setLocale

*

* Revision 1.7 2004/09/02 11:02:31 bruceb

* rolled back

*

*

*/

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* /edftpj-1-5-3-sources-jar/com/enterprisedt/net/ftp/WindowsFileParser.java

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```

*
* Change Log:
*
* $Log: StandardOutputAppender.java,v $
* Revision 1.3 2005/09/28 09:11:25 bruceb
* flush
*
* Revision 1.2 2004/08/16 21:08:08 bruceb
* made cvsids public
*
* Revision 1.1 2004/05/15 22:35:44 bruceb
* stdout appender
*
* Revision 1.1 2004/05/01 16:55:42 bruceb
* first cut
*
*
*/

```

Found in path(s):

```
* /edtfpj-1-5-3-sources-jar/com/enterprisedt/util/debug/StandardOutputAppender.java
```

1.67 js-14 1.0

1.67.1 Available under license :

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```

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```

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```

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/Interpreter.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/regexp/RegExpImpl.java

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/debug/DebugReader.java

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/regexp/SubString.java

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/regexp/NativeRegExpCtor.java

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Found in path(s):

```
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/SecurityController.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/ClassShutter.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/Arguments.java
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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...
*/

```

Found in path(s):

```
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/Context.java
```

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/BinaryDigitReader.java
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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/OptClassNameHelper.java
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- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/OptFunctionNode.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/OptLocalVariable.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/OptIRFactory.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/FatBlock.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/TypeEvent.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/Block.java
- *

/js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/DataFlowBitSet.java

- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/StmtNodeIterator.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/Optimizer.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/OptTransformer.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/Wrapper.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/debug/DebuggableObject.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/debug/Debugger.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/ContextListener.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/LazilyLoadedCtor.java
*

/js-1-5r4-1-sources-jar/org/mozilla/javascript/debug/DebugFrame.java

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Found in path(s):

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeMath.java

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Found in path(s):

```
* /js-1-5r4-1-sources-jar/org/mozilla/classfile/DefiningClassLoader.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/DefiningClassLoader.java
```

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- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/IdFunctionMaster.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/GeneratedClassLoader.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/IdFunction.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/JavaAdapter.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeJavaObject.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/WrapFactory.java

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Found in path(s):

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeJavaPackage.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeJavaConstructor.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeJavaMethod.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/optimizer/Codegen.java

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```

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/serialize/ScriptableInputStream.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/serialize/ScriptableOutputStream.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeScript.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/NodeTransformer.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/Node.java

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Found in path(s):

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 * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeDate.java
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Found in path(s):

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/ObjToIntMap.java
* /js-1-5r4-1-sources-jar/org/mozilla/javascript/ObjArray.java
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- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeNumber.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeBoolean.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeGlobal.java

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- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/PropertyException.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/Undefined.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/Script.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/ErrorReporter.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/DefaultErrorReporter.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/WrappedException.java
- *
- /js-1-5r4-1-sources-jar/org/mozilla/javascript/Function.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeWith.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/JavaScriptException.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NativeCall.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/NotAFunctionException.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/SecuritySupport.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/Scriptable.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/EvaluatorException.java
- * /js-1-5r4-1-sources-jar/org/mozilla/javascript/IRFactory.java

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* /js-1-5r4-1-sources-jar/org/mozilla/javascript/InterpretedScript.java

* /js-1-5r4-1-sources-jar/org/mozilla/classfile/ClassFileWriter.java

* /js-1-5r4-1-sources-jar/org/mozilla/classfile/ByteCode.java

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/LabelTable.java

* /js-1-5r4-1-sources-jar/org/mozilla/javascript/EcmaError.java

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The Unicode Standard, Unicode Character Database, Version 15.0.0

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jQuery UI v1.13.2

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	GL/wglext.h	Khronos
	KHR/khrplatform.h	Khronos

include/GL/gl.h :

Mesa 3-D
graphics library

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1.71 sqljdbc 1.0

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Section

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*/

1.73 antlr 4.9.1

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 */
```

```
lexer grammar ActionSplitter;
```

```
options { filter=true; }
```

```
@header {
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}
```

```
@members {
```

```

ActionSplitterListener delegate;

public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
}

/** force filtering
    (and return tokens). triggers all above actions. */
public List<Token> getActionTokens() {
    List<Token> chunks = new ArrayList<Token>();
    Token t = nextToken();
    while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
    }
    return chunks;
}

private boolean isIDStartChar(int c) {
    return c == '_' || Character.isLetter(c);
}

// ignore comments right away

COMMENT
: '/' ( options {greedy=false;} : . )* '/' {delegate.text($text);}
;

LINE_COMMENT
: '/' ~('\n'|\r)* '\r'? '\n' {delegate.text($text);}
;

SET_NONLOCAL_ATTR
: '$' x=ID ':' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setNonLocalAttr($text, $x, $y, $expr);
}
;

NONLOCAL_ATTR
: '$' x=ID ':' y=ID {delegate.nonLocalAttr($text, $x, $y);}
;

QUALIFIED_ATTR
: '$' x=ID '.' y=ID {input.LA(1)!='('}? {delegate.qualifiedAttr($text, $x, $y);}
;

```

```

SET_ATTR
: '$ x=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setAttr($text, $x, $expr);
}
;

ATTR
: '$'
x=ID {delegate.attr($text, $x);}
;

// Anything else is just random text
TEXT
@init {StringBuilder buf = new StringBuilder();}
@after {delegate.text(buf.toString());}
: ( c=~("\\" '$') {buf.append((char)$c);}
  | '\\' {buf.append('$');}
  | '\\' c=~('$') {buf.append('\\').append((char)$c);}
  | {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$');}
  )+
;

fragment
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
;

/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
fragment
ATTR_VALUE_EXPR
: ~'=' (~';')*
;

fragment
WS : ('\\t'|'\\n'|'\\r')+
;

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- */

```
tree grammar SourceGenTriggers;
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
}
```

```
@header {
package org.antlr.v4.codegen;
import org.antlr.v4.misc.Utills;
import org.antlr.v4.codegen.model.*;
import org.antlr.v4.codegen.model.decl.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.Collections;
import
    java.util.Map;
import java.util.HashMap;
}
```

```
@members {
    public OutputModelController controller;
    public boolean hasLookaheadBlock;
```

```

public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {
    this(input);
    this.controller = controller;
}
}

```

```

dummy : block[null, null] ;

```

```

block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]
: ^( blk=BLOCK (^ (OPTIONS .+))?
{List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();}
( alternative {alts.add($alternative.altCodeBlock);} )+
)
{
if ( alts.size()==1 && ebnfRoot==null) return alts;
if ( ebnfRoot==null ) {
    $omos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
}
else {
    Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
    hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(choice);
}
}
;

```

```

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]

```

```

@init {
    boolean outerMost = inContext("RULE BLOCK");
}
@after {
    controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
: a=alt[outerMost] { $altCodeBlock=$a.altCodeBlock; $ops=$a.ops; }
;

```

```

alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]

```

```

@init {
    // set alt if outer ALT only (the only ones with alt field set to Alternative object)
    AltAST altAST = (AltAST)retval.start;
    if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
: {
    List<SrcOp> elems = new ArrayList<SrcOp>();
    // TODO: shouldn't we pass $start to controller.alternative()?
    $altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
    $altCodeBlock.ops = $ops = elems;
    controller.setCurrentBlock($altCodeBlock);
}

```

```

}
^( ALT elementOptions? ( element {if ($element.omos!=null) elems.addAll($element.omos);} )+ )

| ^(ALT elementOptions?
EPSILON)
    {$altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost);}
;

element returns [List<? extends SrcOp> omos]
: labeledElement    {$omos = $labeledElement.omos;}
| atom[null,false]  {$omos = $atom.omos;}
| subrule           {$omos = $subrule.omos;}
| ACTION           {$omos = controller.action((ActionAST)$ACTION);}
| SEMPRED           {$omos = controller.sempred((ActionAST)$SEMPRED);}
| ^(ACTION elementOptions) {$omos = controller.action((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {$omos = controller.sempred((ActionAST)$SEMPRED);}
;

labeledElement returns [List<? extends SrcOp> omos]
: ^(ASSIGN ID atom[$ID,false] ) {$omos = $atom.omos;}
| ^(PLUS_ASSIGN ID atom[$ID,false]) {$omos = $atom.omos;}
| ^(ASSIGN ID block[$ID,null] ) {$omos = $block.omos;}
| ^(PLUS_ASSIGN ID block[$ID,null]) {$omos = $block.omos;}
;

subrule returns [List<? extends SrcOp> omos]
: ^(OPTIONAL b=block[null,$OPTIONAL])
{
    $omos = $block.omos;
}
| ( ^(op=CLOSURE
b=block[null,null])
| ^(op=POSITIVE_CLOSURE b=block[null,null])
)
{
    List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
    SrcOp blk = $b.omos.get(0);
    CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
    alt.addOp(blk);
    alts.add(alt);
    SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
    hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
    $omos = DefaultOutputModelFactory.list(loop);
}
| block[null, null]    {$omos = $block.omos;}
;

blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]

```

```

: ^(SET atom[label,invert]+) {$omos = controller.set($SET, $label, invert);}
;

/*
setElement
: STRING_LITERAL
| TOKEN_REF
| ^(RANGE STRING_LITERAL STRING_LITERAL)
;
*/

// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT
atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(NOT
a=atom[$label, true]) {$omos = $a.omos;}
| range[label]    {$omos = $range.omos;}
| ^(DOT ID terminal[$label])
| ^(DOT ID ruleref[$label])
| ^(WILDCARD .)   {$omos = controller.wildcard($WILDCARD, $label);}
| WILDCARD        {$omos = controller.wildcard($WILDCARD, $label);}
| terminal[label]  {$omos = $terminal.omos;}
| ruleref[label]   {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
;

ruleref[GrammarAST label] returns [List<SrcOp> omos]
: ^(RULE_REF ARG_ACTION? elementOptions?) {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
;

range[GrammarAST label] returns [List<SrcOp> omos]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
;

terminal[GrammarAST label] returns [List<SrcOp> omos]
: ^(STRING_LITERAL .) {$omos = controller.stringRef($STRING_LITERAL, $label);}
| STRING_LITERAL    {$omos = controller.stringRef($STRING_LITERAL, $label);}
| ^(TOKEN_REF ARG_ACTION .) {$omos =
controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
| ^(TOKEN_REF .)    {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
| TOKEN_REF         {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption+)
;

```


elementOption

```
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;
```

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/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
 */
```

* REQUIRED.

*/

```
pythonTypeInitMap ::= [  
    "bool": "False",  
    "int": "0",  
    "float": "0.0",  
    "str": "",  
    default: "None" // anything other  
    than a primitive type is an object  
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<  
    <fileHeader(file.grammarFileName, file.ANTLRVersion)>  
    # encoding: utf-8  
    from antlr4 import *  
    from io import StringIO  
    import sys  
    if sys.version_info[1] > 5:  
        from typing import TextIO  
    else:  
        from typing.io import TextIO
```

<namedActions.header>

<parser>

>>

```
ListenerFile(file, header, namedActions) ::= <<  
    <fileHeader(file.grammarFileName, file.ANTLRVersion)>  
    from antlr4 import *  
    if __name__ is not None and "." in __name__:  
        from <file.parserName> import <file.parserName>  
    else:  
        from <file.parserName> import <file.parserName>  
    <header>
```

This class defines a complete listener for a parse tree produced by <file.parserName>.

class <file.grammarName>Listener(ParseTreeListener):

```
    <file.listenerNames:{lname |  
    # Enter a parse tree produced by <file.parserName>#<lname>.  
    def enter<lname>(format="cap")>(self, ctx:<file.parserName>.<lname>;  
    format="cap">Context):  
        pass
```

```

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

}; separator="\n">

del <file.parserName>
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)

}; separator="\n">

del <file.parserName>
>>

fileHeader(grammarFileName, ANTLRVersion)
::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:

```

```

from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | <t>}; null="\\"<INVALID>\'", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\\"<INVALID>\'", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name>
= <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType().EOF

    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)()>

    <namedActions.members>

    <funcs; separator="\n">

    <if(sempredFuncs)>
    def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{f |
        self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n
        "
        pred = self._predicates.get(ruleIndex, None)
        if pred is None:
            raise Exception("No predicate with index:" + str(ruleIndex))
        else:

```

```

        return pred(localctx, predIndex)

    <sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def
action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
    if self._actions is None:
        actions = dict()
    <recog.actionFuncs.values:{f|
        actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
        self._actions = actions
        action = self._actions.get(ruleIndex, None)
        if action is not None:
            action(localctx, actionIndex)
        else:
            raise Exception("No registered action for:" + str(ruleIndex))

    <actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates is None:
        preds = dict()
    <recog.sempredFuncs.values:{f|
        preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
        self._predicates = preds
        pred = self._predicates.get(ruleIndex, None)
        if pred is not None:
            return pred(localctx, predIndex)
        else:
            raise Exception("No registered predicate for:" + str(ruleIndex))

    <sempredFuncs.values;
    separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input:TokenStream, output:TextIO = sys.stdout):
    super().__init__(input, output)

```

```

self.checkVersion("<file.ANTLRVersion>")
self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
<actions:{index|
<if(first(actions))>
  if actionIndex == <index>:
    <actions.(index)>
<elseif(rest(actions))>
  elif actionIndex == <index>:
    <actions.(index)>
<endif> } ; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self,
localctx:<r.ctxType>, predIndex:int):
  <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
      return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
      return <actions.(index)>
<endif> } ; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>} ; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name><if(a.type)>:<a.type><endif>}>):

```

```

localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)>
self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
<namedActions.init>
<locals; separator="\n">
try:
    <code>
    <postamble; separator="\n">
    <namedActions.after>
<if(exceptions)>
<exceptions; separator="\n">
<else>
except RecognitionException as re:

localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
<endif>
finally:
    <finallyAction>
    self.exitRule()
return localctx

>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

def <currentRule.name>(self, _p:int=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)>
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)

```

```

    finally:
        <finallyAction>
        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt|
    <cases(ttypes=look)>
    <alt>
    pass}; separator="\n">
else:
    <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n">
else:
    pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>

```



```

self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state
    = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i>:
    <alt>
    pass

```

```
}; separator="\nel">
```

```
>>
```

```
OptionalBlock(choice, alts, error) ::= <<  
self.state = <choice.stateNumber>  
self._errHandler.sync(self)  
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)  
<alts:{alt |  
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:  
  <alt>  
}; separator="\nel">
```

```
>>
```

```
StarBlock(choice, alts, sync, iteration) ::=  
<<  
self.state = <choice.stateNumber>  
self._errHandler.sync(self)  
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)  
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:  
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:  
    <iteration>  
    <alts> <! should only be one !>  
  self.state = <choice.loopBackStateNumber>  
  self._errHandler.sync(self)  
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

```
>>
```

```
PlusBlock(choice, alts, error) ::= <<  
self.state = <choice.blockStartStateNumber> <! alt block decision !>  
self._errHandler.sync(self)  
_alt = 1<if(!choice.ast.greedy)>+1<endif>  
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:  
  <alts:{alt|  
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:  
  <alt>  
}; separator="\nel">  
else:  
  <error>  
self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>  
self._errHandler.sync(self)  
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

```
>>
```

```
Sync(s)
```

```
::= "sync(<s.expecting.name>)"
```

```
ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"
```

```
TestSetInline(s) ::= <<
```

```
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator=" or ">
```

```
>>
```

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
```

```
testShiftInRange(shiftAmount) ::= <<
```

```
((<shiftAmount>) & ~0x3f) == 0
```

```
>>
```

```
// produces smaller bytecode only when bits.ttypes contains more than two items
```

```
bitsetBitfieldComparison(s, bits) ::= <%
```

```
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<\< <offsetShiftVar(s.varName, bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>}); separator=" | ">)) != 0)
```

```
%>
```

```
isZero ::= [
```

```
"0":true,
```

```
default:false
```

```
]
```

```
offsetShiftVar(shiftAmount, offset) ::= <%
```

```
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
```

```
%>
```

```
offsetShiftType(shiftAmount,
```

```
offset) ::= <%
```

```
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
```

```
%>
```

```
// produces more efficient bytecode when bits.ttypes contains at most two items
```

```
bitsetInlineComparison(s, bits) ::= <%
```

```
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
```

```
%>
```

```
cases(ttypes) ::= <<
```

```
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
```

```
>>
```

```
InvokeRule(r, argExprsChunks) ::= <<
```

```
self.state = <r.stateNumber>
```

```
<if(r.labels)><r.labels:{l | <labelref(l)> =
```

```
>>
```

```
MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::=
<<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>
```

```
Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>
```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>
>>
```

```
// lexer actions are not associated with model objects
```

```

LexerSkipCommand()
    ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar)    ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar)    ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t)
    ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r)
    ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

```

```
NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"
```

```
AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"
```

```
TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>
```

```
// should never
// be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i:int=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>
```

```
ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)
>>
```

```
// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
>>
```

```
ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.name>(self, i:int=None):
    if i is None:
```

```

        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
    __slots__ = 'parser'

    def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{a | ,
<a.name><if(a.type)>:<a.type><endif>=None}>):
        super().__init__(parent, invokingState)
        self.parser = parser
        <attrs:{a | <a>}; separator="\n">
        <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">

    <getters:{g | <g>}; separator="\n\n">

    def getRuleIndex(self):
        return <parser.name>.RULE_<struct.derivedFromName>

<if(struct.provideCopyFrom)>
<! don't need copy unless we have subclasses !>
    def copyFrom(self, ctx:ParserRuleContext):
        super().copyFrom(ctx)
        <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">

<endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):

    def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;
format="cap">Context
        super().__init__(parser)
        <attrs:{ a | <a>}; separator="\n">
        self.copyFrom(ctx)

    <getters:{ g | <g>}; separator="\n">

    <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
    if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
format="cap">" ):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
    if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName,

```



```

    ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName,
lexerFile.ANTLRVersion)>
from antlr4 import *
from io import StringIO
from typing.io import TextIO
import sys

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:

```

```

    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.channels)>
        <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

    <endif>
    <if(rest(lexer.modes))>
        <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

    <endif>
    <if(lexer.tokens)>
        <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>,
    <lexer.channels:{c| u"<c>"}; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

    literalNames = [ "\<INVALID>",
        <lexer.literalNames:{t | <t>}; separator=", ", wrap, anchor> ]

    symbolicNames = [ "\<INVALID>",
        <lexer.symbolicNames:{t | <t>}; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    grammarFileName = "<lexer.grammarFileName>"

    def __init__(self, input=None, output:TextIO = sys.stdout):
        super().__init__(input, output)
        self.checkVersion("<lexerFile.ANTLRVersion>")
        self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
        self._actions = None
        self._predicates = None

    <namedActions.members>

```

```

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write("<model.serialized; wrap={}>\n"      buf.write("{}>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg
No license file was found, but licenses were detected in source scan.

/*
 * [The "BSD license"]
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```

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 - * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 - * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 - * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- */

```
javaTypeInitMap ::= [  
  "int": "0",  
  "long": "0",  
  "float": "0.0f",  
  "double": "0.0",  
  "boolean": "false",  
  "byte": "0",  
  "short": "0",  
  "char": "0",  
  default: "null" // anything other than a primitive type is an object  
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<  
  <fileHeader(file.grammarFileName,  
    file.ANTLRVersion)>  
  <if(file.genPackage)>  
    package <file.genPackage>;  
  <endif>  
  <namedActions.header>  
  import org.antlr.v4.runtime.atn.*;  
  import org.antlr.v4.runtime.dfa.DFA;  
  import org.antlr.v4.runtime.*;  
  import org.antlr.v4.runtime.misc.*;  
  import org.antlr.v4.runtime.tree.*;  
  import java.util.List;  
  import java.util.Iterator;  
  import java.util.ArrayList;  
  
  <parser>  
>>
```

```
ListenerFile(file, header, namedActions) ::= <<  
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>  
  <if(file.genPackage)>  
    package <file.genPackage>;
```

```

<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@link <file.parserName>}.
 */
public interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
 * Enter a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
 * @param ctx the parse tree
 */
void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
 * Exit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
 * @param ctx the parse tree
 */
void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

/**
 * This class provides an empty implementation of {@link <file.grammarName>Listener},
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.

```

```

*/
public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
    <file.listenerNames:{lname |
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \};
    separator="\n">

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default
implementation does nothing.\</p>
 */
    @Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    @Override public void visitErrorNode(ErrorNode node) { }
}
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>

```

```

package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
    <file.visitorNames:{lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}.
<else>
 * Visit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
 * @param ctx the parse tree
 * @return the visitor result
 */
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of {@link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
public class <file.grammarName>BaseVisitor\<T> extends AbstractParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T> {
    <file.visitorNames:{lname |
/**

```

```

* {@inheritDoc\}
*
* \<p>The default
implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
@Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \} }; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <parser.name> extends <superClass; null="Parser"> {
static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }

protected static final DFA[] _decisionToDFA;
protected static final PredictionContextCache _sharedContextCache =
new PredictionContextCache();
<if(parser.tokens)>
public static final int
<parser.tokens:{k | <k>=<parser.tokens.(k)>}>;
separator=", ", wrap, anchor>;
<endif>
<if(parser.rules)>
public static final int
<parser.rules:{r | RULE_<r.name> = <r.index>}>; separator=", ", wrap, anchor>;
<endif>
private static String[] makeRuleNames() {
return new String[] {
<parser.ruleNames:{r | "<r>">; separator=", ", wrap, anchor>
};
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(parser.literalNames, parser.symbolicNames)>

@Override
public String getGrammarFileName() { return "<parser.grammarFileName; format="java-escape">"; }

```



```
@Override
public String[] getRuleNames() { return ruleNames; }
```

```
@Override
public String getSerializedATN() { return _serializedATN; }
```

```
@Override
public ATN getATN() { return _ATN; }
```

```
<namedActions.members>
```

```
<parser:(ctor)()>
```

```
<funcs; separator="\n">
```

```
<if(sempredFuncs)>
```

```
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
```

```
    switch (ruleIndex) {
```

```
        <parser.sempredFuncs.values:{f|
```

```
case <f.ruleIndex>:
```

```
        return
```

```
        <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
```

```
    }
```

```
    return true;
```

```
}
```

```
<sempredFuncs.values; separator="\n">
```

```
<endif>
```

```
<atn>
```

```
}
```

```
>>
```

```
vocabulary(literalNames, symbolicNames) ::= <<
```

```
private static String[] makeLiteralNames() {
```

```
    return new String[] {
```

```
        <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
```

```
    };
```

```
}
```

```
private static final String[] _LITERAL_NAMES = makeLiteralNames();
```

```
private static String[] makeSymbolicNames() {
```

```
    return new String[] {
```

```
        <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
```

```
    };
```

```
}
```

```
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
```

```
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
    _SYMBOLIC_NAMES);
```

```
/**
```

```
 * @deprecated Use {@link #VOCABULARY} instead.
```

```

*/
@Deprecated
public static final String[] tokenNames;
static {
    tokenNames = new String[_SYMBOLIC_NAMES.length];
    for (int i = 0; i < tokenNames.length; i++) {
        tokenNames[i] = VOCABULARY.getLiteralName(i);
        if (tokenNames[i]
            == null) {
            tokenNames[i] = VOCABULARY.getSymbolicName(i);
        }

        if (tokenNames[i] == null) {
            tokenNames[i] = "<INVALID>";
        }
    }
}

@Override
@Deprecated
public String[] getTokenNames() {
    return tokenNames;
}

@Override

public Vocabulary getVocabulary() {
    return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
        <f.name>_action((<f.ctxType>)_localctx, actionIndex);
        break;}; separator="\n">
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {

```

```

    <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
    return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

parser_ctor(p)
::= <<
public <p.name>(TokenStream input) {
    super(input);
    _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}
>>

```

/* This generates a private method since the actionIndex is generated, making an
 * overriding implementation impossible to maintain.
 */

```

RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
    <actions:{index|
case <index>:
    <actions.(index)>
    break;}; separator="\n">
    }
}
>>

```

/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */

```

RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
    <actions:{index|
case <index>:
    return <actions.(index)>;}; separator="\n">
    }
    return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)

```

::= <<

```
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) throws RecognitionException {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
<a.name>}>);
  enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <if(currentRule.hasLookaheadBlock)>
      int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }
  <if(exceptions)>
    <exceptions; separator="\n">
  <else>
    catch (RecognitionException re) {
      _localctx.exception = re;
      _errHandler.reportError(this, re);
      _errHandler.recover(this, re);
    }
  <endif>
  finally {
    <finallyAction>
    exitRule();
  }
  return _localctx;
}
>>
```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble)

::=

<<

```
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) throws RecognitionException {
  return <currentRule.name>(0<currentRule.args:{a | , <a.name>}>);
}
```

```
}
```

```
private <currentRule.ctxType> <currentRule.name>(int _p<args:{a | , <a>}>) throws RecognitionException {
    ParserRuleContext _parentctx = _ctx;
    int _parentState = getState();
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException
    re) {
        _localctx.exception = re;
        _errHandler.reportError(this, re);
        _errHandler.recover(this, re);
    }
    finally {
        <finallyAction>
        unrollRecursionContexts(_parentctx);
    }
    return _localctx;
}
>>
```

```
CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>
```

```
CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
    <locals; separator="\n">
    <preamble; separator="\n">
    <ops; separator="\n">
}
>>
```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;};
separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
<iteration>
}

```

>>

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
  setState(<choice.blockStartStateNumber>); <!-- alt block decision !-->
  _errHandler.sync(this);
  <preamble;
  separator="\n">
  do {
    <alts; separator="\n">
    setState(<choice.stateNumber>); <!-- loopback/exit decision !-->
    _errHandler.sync(this);
    <iteration>
  } while ( <loopExpr> );
>>
```

// LL(*) stuff

```
AltBlock(choice, preamble, alts, error) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);
  <if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
  <preamble; separator="\n">
  switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
    <alts:{alt |
  case <i>:
    <alt>
    break;}; separator="\n">
  }
>>
```

```
OptionalBlock(choice, alts, error) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);
  switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
    <alts:{alt |
  case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n">
  }
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
  setState(<choice.stateNumber>);
  _errHandler.sync(this);
  _alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
  while ( _alt!=<choice.exitAlt>
    && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
    if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
```

```

<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s)
::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1L \<\< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

```



```

isZero ::= [
  "0":true,
  default:false
]

offsetShift(shiftAmount, offset) ::= <%
  <if(!isZero(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
  %>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
  <bits.ttypes:{ttype | <s.varName>==<ttype>}>;
  separator=" || ">
  %>

cases(ttypes) ::= <<
  <ttypes:{t | case <t>:}>; separator="\n">
  >>

InvokeRule(r, argExprsChunks) ::= <<
  setState(<r.stateNumber>);
  <if(r.labels)><r.labels:{l | <labelref(l)> =
  }><endif><r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>
  );
  >>

MatchToken(m) ::= <<
  setState(<m.stateNumber>);
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(<m.name>);
  >>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
  setState(<m.stateNumber>);
  <if(m.labels)><m.labels:{l | <labelref(l)> = }>>_input.LT(1);<endif>
  <capture>
  if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = (Token)}><endif>_errHandler.recoverInline(this);
  }
  else {
    if ( _input.LA(1)==Token.EOF ) matchedEOF = true;
    _errHandler.reportMatch(this);
    consume();
  }
  }

```

```

>>

Wildcard(w)
::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

LexerTypeCommand(arg, grammar)    ::= "_type = <arg>);"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>);"
LexerModeCommand(arg, grammar)    ::= "_mode = <arg>);"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::=
    "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"

```

```

SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t)
::= "<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText()):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.start):null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>
= <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <t.name>"
TokenTypeDecl(t) ::= "int <t.name>;"
TokenListDecl(t) ::= "List<Token> <t.name> = new ArrayList<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = new ArrayList<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::=
"public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
"public List<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
return getToken(<parser.name>.<t.name>, i);
}

```

```

>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <r.name>() {
    return getRuleContext(<r.ctxName>.class,0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
public
List<<<r.ctxName>>> <r.name>() {
    return getRuleContexts(<r.ctxName>.class);
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.name>(int i) {
    return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers)
::= <<
public static class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g
    | <g>;}; separator="\n">
    <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) { super(parent, invokingState);
    }<endif>
    public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>>}) {
        super(parent, invokingState);
        <struct.ctorAttrs:{a | this.<a.name> = <a.name>;}; separator="\n">
    }
    @Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
}

```

```

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public <struct.name>() { }
public void copyFrom(<struct.name> ctx) {
    super.copyFrom(ctx);
    <struct.attrs:{a | this.<a.name> = ctx.<a.name>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
public static class <struct.name> extends <currentRule.name; format="cap">Context {
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g | <g>;}; separator="\n">
    public <struct.name>(<currentRule.name;
    format="cap">Context ctx) { copyFrom(ctx); }
    <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
    if ( listener instanceof <parser.grammarName>Listener )
    ((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
    format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
@Override
public <T> T accept(ParseTreeVisitor<? extends T> visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor<? extends
    T>)visitor).visit<struct.derivedFromName; format="cap">(this);
    else return visitor.visitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>((<x.ctx.name>)_localctx).<endif><x.name>"

```

```

/** For any
    action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "((<actionChunk.ctx.name>)_localctx)"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken()      ::= "_ctx.stop = _input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = new <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
((<currentAltLabel; format="cap">Context)_localctx).<label>.add(_prevctx);
<else>
((<currentAltLabel;
format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = new <ctxName>Context(_localctx);
_ctx = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
if ( _parseListeners!=null ) triggerExitRuleEvent();
_prevctx = _localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>

```

```

package <lexerFile.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.Lexer;
import org.antlr.v4.runtime.CharStream;
import org.antlr.v4.runtime.Token;
import org.antlr.v4.runtime.TokenStream;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.misc.*;

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
@SuppressWarnings({"all",
    "warnings", "unchecked", "unused", "cast"})
public class <lexer.name> extends <superClass; null="Lexer"> {
    static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(lexer.tokens)>
    public static final int
        <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(lexer.channels)>
    public static final int
        <lexer.channels:{c | <c>=<lexer.channels.(c)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(rest(lexer.modes))>
    public static final int
        <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
    <endif>
    public static String[] channelNames = {
        "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
    };

    public static String[] modeNames = {
        <lexer.modes:{m| "<m>"};
        separator=", ", wrap, anchor>
    };

    private static String[] makeRuleNames() {
        return new String[] {

```

```

    <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
};
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

public <lexer.name>(CharStream input) {
    super(input);
    _interp = new LexerATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}

@Override
public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public String[] getChannelNames() { return channelNames; }

@Override
public String[] getModeNames() { return modeNames; }

@Override
public ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires
segmented representation !>
private static final int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|private static final String _serializedATNSegment<i0> =
"<segment; wrap={"+<\n><\t>"}>"}; separator="\n">
public static final String _serializedATN = Utils.join(
new String[] {
    <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
},

```



```

""
);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
    "<model.serialized; wrap={\"+<n><t>\"}>";
<endif>
public static final ATN _ATN =
    new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
    _decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
    for (int i = 0; i < _ATN.getNumberOfDecisions(); i++) {
        _decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
    }
    <! org.antlr.v4.tool.DOTGenerator dot = new org.antlr.v4.tool.DOTGenerator(null);!>
    <! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
    <! System.out.println(dot.getDOT(_ATN.ruleToStartState[2],
        ruleNames, false));!>
}
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
    <javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".java"

```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg

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- */

```

tree grammar BlockSetTransformer;
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
    output      = AST;
    filter      = true;
}

@header {
package org.antlr.v4.parse;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import
    java.util.HashSet;
import java.util.ArrayList;
import org.antlr.v4.runtime.misc.IntervalSet;
}

@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
    this(input, new RecognizerSharedState());
    this.g = g;
}

```

```

}

topdown
: ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
| setAlt
| ebnfBlockSet
| blockSet
;

setAlt
: {inContext("RULE BLOCK")}?
  ALT {currentAlt = $start;}
;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID))))))
ebnfBlockSet
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
;

ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;

blockSet
@init {
  boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: {inContext("RULE")}?
  // top-level: rule block and > 1 alt
  ^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) ( ^(ALT
  elementOptions? setElement[inLexer]) )+ )
  -> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
  "SET"] setElement+)))
| {!inContext("RULE")}? // if not rule block and > 1 alt
  ^(BLOCK ^(ALT elementOptions? setElement[inLexer]) ( ^(ALT elementOptions? setElement[inLexer]) )+ )
  -> ^(SET[$BLOCK.token, "SET"] setElement+)
;

setElement[boolean inLexer]

```

```

@after {
    GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ( ^ (a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
| a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
| {!inLexer}?=> ^(TOKEN_REF elementOptions)
| {!inLexer}?=> TOKEN_REF
| {inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1
&&
CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1}?
)
;

```

```

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

```

```

elementOption
: ID
| ^(ASSIGN id=ID v=ID)
| ^(ASSIGN ID v=STRING_LITERAL)
| ^(ASSIGN ID v=ACTION)
| ^(ASSIGN ID v=INT)
;

```

Found in path(s):

- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/BlockSetTransformer.g

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 */

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using System.Diagnostics;
using System.Collections.Generic;
using
    Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using DFA = Antlr4.Runtime.Dfa.DFA;

<parser>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete listener for a parse tree produced by
/// \<see cref="<csIdentifier.(file.parserName)>"/>.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
```

```

<file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled
alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">/.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>">/.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">/.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>">/.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context)); separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<

```

```

<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>

```

```

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

```

```

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener">/,
/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.

```

```

/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
    <file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">/.
<else>
///
    Enter a parse tree produced by \<see cref="<file.parserName>.<lname>">/.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">/.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>">/.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { \} }; separator="\n"

/// \<inheritdoc>
///
\<remarks>The default implementation does nothing.\</remarks>
public virtual void EnterEveryRule([NotNull] ParserRuleContext context) { \}
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { \}
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitTerminal([NotNull] ITerminalNode node) { \}
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitErrorNode([NotNull] IErrorNode node) { \}
}
<if(file.genPackage)>
} // namespace <file.genPackage>

```



```
<endif>
```

```
>>
```

```
VisitorFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
<if(file.genPackage)>
```

```
namespace <file.genPackage> {
```

```
<endif>
```

```
<header>
```

```
using Antlr4.Runtime.Misc;
```

```
using Antlr4.Runtime.Tree;
```

```
using IToken = Antlr4.Runtime.IToken;
```

```
/// \<summary>
```

```
/// This interface defines a complete
```

```
generic visitor for a parse tree produced
```

```
/// by \<see cref="<csIdentifier(file.parserName)>">/>.
```

```
/// \</summary>
```

```
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
```

```
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
```

```
[System.CLSCompliant(false)]
```

```
public interface I<file.grammarName>Visitor<Result> : IParseTreeVisitor<Result> {
```

```
<file.visitorNames:{lname |
```

```
/// \<summary>
```

```
<if(file.visitorLabelRuleNames.(lname))>
```

```
/// Visit a parse tree produced by the \<c><lname>\</c>
```

```
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>">/>.
```

```
<else>
```

```
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>">/>.
```

```
<endif>
```

```
/// \</summary>
```

```
/// \<param name="context">The parse tree.\</param>
```

```
/// \<return>The visitor result.\</return>
```

```
Result Visit<lname; format="cap">([NotNull] <csIdentifier(file.parserName)>.<lname; format="cap">Context  
context));; separator="\n">
```

```
}
```

```
<if(file.genPackage)>
```

```
} // namespace
```

```
<file.genPackage>
```

```
<endif>
```

```
>>
```

```
BaseVisitorFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
<if(file.genPackage)>
```

```
namespace <file.genPackage> {
```

```
<endif>
```

```
<header>
```

```

using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}" />,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<<Result> : AbstractParseTreeVisitor<<Result>,
I<file.grammarName>Visitor<<Result> {
    <file.visitorNames:{lname |
/// \<summary>
<if(file.visitorLabelRuleNames.(lname))>
///
    Visit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>" />.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>" />.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result}.VisitChildren(IRuleNode)" />
/// on \<paramref name="context" />.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;
format="cap">Context context) { return VisitChildren(context); \}}; separator="\n">
    }
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//-----
// \<auto-generated>
//
    This code was generated by a tool.
//   ANTLR Version: <ANTLRVersion>
//

```

```

// Changes to this file may cause incorrect behavior and will be lost if
// the code is regenerated.
// \</auto-generated>
//-----

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(parser.name)> : <superClass>
    null="Parser"> {
        protected static DFA[] decisionToDFA;
        protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
        <if(parser.tokens)>
        public const int
            <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
        <endif>
        <if(parser.rules)>
        public const int
            <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
        <endif>
        public static readonly string[] ruleNames = {
            <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
        };

        <vocabulary(parser.literalNames, parser.symbolicNames)>

        public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

        public override string[] RuleNames { get { return ruleNames; } }

        public override string SerializedAtn { get { return new string(_serializedATN); } }

```

```

static <csIdentifier.(parser.name)>() {
    decisionToDFA = new DFA[_ATN.NumberOfDecisions];
    for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
        decisionToDFA[i] = new
DFA(_ATN.GetDecisionState(i), i);
    }
}

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f|
case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
    get
    {
        return DefaultVocabulary;
    }
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs)

```

```

::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case <f.ruleIndex> : <f.name>_action(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, actionIndex); break;};
separator="\n">
        }
    }
    <actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f|
case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)>(<f.ctxType>)<endif>_localctx, predIndex);};
separator="\n">
        }
    }
    return true;
}
    <sempredFuncs.values; separator="\n">
<endif>
>>

```

```

parser_ctor(parser) ::= <<
public <csIdentifier.(parser.name)>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

public <csIdentifier.(parser.name)>(ITokenStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
    Interpreter = new ParserATNSimulator(this,
    _ATN, decisionToDFA, sharedContextCache);
}
>>

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions:{index|
case <index>: <actions.(index)> break;}; separator="\n">
        }
    }
}
>>

```

/* This generates a private method since the predIndex is generated, making an

```

* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
        <actions:{index|
case <index>: return <actions.(index)>;}; separator="\n">
        }
        return true;
    }
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version;
null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>>});
    EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    catch (RecognitionException re) {
        _localctx.exception = re;
        ErrorHandler.ReportError(this, re);
        ErrorHandler.Recover(this, re);
    }
    <endif>
    finally {
    <finallyAction>

```

```

ExitRule();
}
return _localctx;
}
>>

```

```

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f>
}><else>private <endif><currentRule.ctxType> <csIdentifier.(currentRule.name)>(<args; separator=", ">) {
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
EnterLeftFactoredRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch (RecognitionException re) {
_localctx.exception = re;
ErrorHandler.ReportError(this, re);
ErrorHandler.Recover(this, re);
}
finally {
<finallyAction>
ExitRule();
}
return _localctx;
}
>>

```

```

// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.

```

```

LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f
| <f> }><else>private <endif><currentRule.ctxType> <csIdentifier.(currentRule.name)>(<args; separator=", ">) {
<currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);

```

```

<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
    int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f
| <f> }><else>public <endif><currentRule.ctxType> <csIdentifier.(currentRule.name)>(<args; separator=", ">) {
return <csIdentifier.(currentRule.name)>(0<currentRule.args:{a | , <csIdentifier.(a.name)>}>);
}

```

```

private <currentRule.ctxType> <csIdentifier.(currentRule.name)>(int _p<args:{a | , <a>}>) {
    ParserRuleContext _parentctx = Context;
    int _parentState = State;
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>

```



```

    int _alt;
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this,
re);
}
finally {
    <finallyAction>
    UnrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice,
  alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
if (<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  State = <choice.loopBackStateNumber>;
  ErrorHandler.Sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  State = <choice.stateNumber>;<!
  loopback/exit decision !>
  ErrorHandler.Sync(this);
  <iteration>
} while ( <loopExpr> );
>>

```

```
// LL(*) stuff
```

```
AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>
```

```
OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER
) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
State = <choice.loopBackStateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
}
>>
```

```
PlusBlock(choice, alts, error) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
```

```

switch (_alt) {
  <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
  default:
    <error>
  }
  State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
  ErrorHandler.Sync(this);
  _alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
>>

```

```

Sync(s) ::= "Sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator=" || ">
>>

```

```

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

```

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({ <offsetShift(s.varName, bits.shift)>})> && ((1L \<\< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1L \<\< <offsetShift(tokenType.(ttype), bits.shift)>)}; separator=" | ">)) != 0)
%>

```

```

isZero ::= [
  "0":true,
  default:false
]

```

```

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

```

```

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<tokenType.(ttype)>}; separator=" || ">
%>

```

```

cases(ttypes)
::= <<
<types:{t | case <tokenType.(t)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><csIdentifier.(r.name)>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><arg
ExprsChunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
  ErrorHandler.ReportMatch(this);
  Consume();
}
>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{l
| <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;

```

```

if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "Skip();"
LexerMoreCommand() ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar)    ::= "_type = <tokenType.(arg)>;"
LexerChannelCommand(arg, grammar) ::= "_channel = <channelName.(arg)>;"
LexerModeCommand(arg, grammar)    ::= "_mode = <modeName.(arg)>;"
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>;"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
LocalRef(a)
    ::= "_localctx.<csIdentifier.(a.name)>"
RetValRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<csIdentifier.(a.name)>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<csIdentifier.(tokenType.(t.name))>"
LabelRef(t) ::= "<ctx(t)>.<csIdentifier.(t.name)>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(csIdentifier.(t.name))>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<csIdentifier.(s.name)> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={IToken}>"
InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t)
    ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?int.Parse(<ctx(t)>.<tokenType.(t.label)>.Text):0)"

```

```

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Start):null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_text(r) ::=
"(<ctx(r)>.<r.label>!=null?TokenStream.GetText(<ctx(r)>.<r.label>.Start,<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r)
::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)>%>
SetNonLocalAttr(s, rhsChunks) ::=
<%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)> =
<rhsChunks>;%>

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <csIdentifier.(tokenType.(t.name))>"
TokenTypeDecl(t) ::= "int <csIdentifier.(tokenType.(t.name))>);"
TokenListDecl(t) ::= "IList<IToken> <csIdentifier.(tokenType.(t.name))> = new List<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <csIdentifier.(r.name)>"
RuleContextListDecl(rdecl) ::= "IList<<rdecl.ctxName>> <csIdentifier.(rdecl.name)> = new
List<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t) ::=
[System.Diagnostics.DebuggerNonUserCode]
public ITerminalNode <csIdentifier.(tokenType.(t.name))>() { return
GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }
ContextTokenListGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection("ITerminalNode")>
<csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>

```

```

ContextRuleGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>() {
    return GetRuleContext\<<r.ctxName>\>(0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection({<r.ctxName>})>
<csIdentifier.(r.name)>() {
    return GetRuleContexts\<<r.ctxName>\>();
}
>>

ContextRuleListIndexedGetterDecl(r)
    ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>(int i) {
    return GetRuleContext\<<r.ctxName>\>(i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "_<label>"

CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,
    superClass={ParserRuleContext}) ::= <<
public partial class <struct.name> :
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>
separator=", "><endif>
{
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g | <g>;}; separator="\n">
    <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) : base(parent, invokingState) {
    }<endif>
    public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>)
    : base(parent, invokingState)
    {
        <struct.ctorAttrs:{a | this.<csIdentifier.(a.name)> = <csIdentifier.(a.name)>;}; separator="\n">
    }
}

```



```

public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public <struct.name>() { }
public virtual void CopyFrom(<struct.name> context) {
    base.CopyFrom(context);
    <struct.attrs:{a | this.<csIdentifier.(a.name)> = context.<csIdentifier.(a.name)>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public partial class <struct.name> : <currentRule.name>;
format="cap">Context {
    <attrs:{a | public <a>;}; separator="\n">
    <getters:{g | <g>;}; separator="\n">
    public <struct.name>(<currentRule.name>; format="cap">Context context) { CopyFrom(context); }
    <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
    I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;
    if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName>;
format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override TResult Accept<TResult>(IParseTreeVisitor<TResult> visitor) {
    I<parser.grammarName>Visitor<TResult> typedVisitor = visitor as I<parser.grammarName>Visitor<TResult>;
    if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName>; format="cap">(this);
    else
        return visitor.VisitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <csIdentifier.(d.name)><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */

```

```

labelref(x) ::= "<if(!x.isLocal)><typedContext(x.ctx)>.<endif><csIdentifier.(x.name)>"

```

```

/** For any action chunk, what is correctly-typed context struct ptr? */

```

```

ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"

// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx)<else>_localctx<endif>"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "Precpred(Context, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken() ::= "Context.Stop = TokenStream.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = new <ctxName>Context(_parentctx,
_parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.Add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
<else>
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = new <ctxName>Context(_localctx);
Context = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
if ( ParseListeners!=null )
TriggerExitRuleEvent();
_prevctx = _localctx;
>>

```

```

LexerFile(file, lexer, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using DFA = Antlr4.Runtime.Dfa.DFA;

<lexer>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(lexer.name)> : <superClass; null="Lexer"> {
protected static DFA[] decisionToDFA;
protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
<if(lexer.tokens)>
public const int
<lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(lexer.channels)>
public const int
<lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.modes))>
public
const int
<rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
"DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
};

public static string[] modeNames = {
<lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>

```

```

};

public static readonly string[] ruleNames = {
    <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
};

<namedActions.members>

public <csIdentifier.(lexer.name)>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <csIdentifier.(lexer.name)>(ICharStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
    Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public
override string[] RuleNames { get { return ruleNames; } }

public override string[] ChannelNames { get { return channelNames; } }

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(lexer.name)>() {
    decisionToDFA = new DFA[_ATN.NumberOfDecisions];
    for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
        decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
    }
}

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
private static char[] _serializedATN = {
    <model.serialized; separator=", ", wrap>,
};

public static readonly ATN _ATN =

```

```
new ATNDeserializer().Deserialize(_serializedATN);
```

```
>>
```

```
initValue(typeName) ::= <<
```

```
default(<typeName>)
```

```
>>
```

```
codeFileExtension() ::= ".cs"
```

```
modeName ::= [
```

```
"DEFAULT_MODE" : "DefaultMode",
```

```
default : key
```

```
]
```

```
channelName ::= [
```

```
"HIDDEN" : "Hidden",
```

```
"DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",
```

```
default
```

```
: key
```

```
]
```

```
tokenType ::= [
```

```
"EOF" : "Eof",
```

```
default : key
```

```
]
```

```
csIdentifier ::= [
```

```
"abstract" : "@abstract",
```

```
"as" : "@as",
```

```
"base" : "@base",
```

```
"bool" : "@bool",
```

```
"break" : "@break",
```

```
"byte" : "@byte",
```

```
"case" : "@case",
```

```
"catch" : "@catch",
```

```
"char" : "@char",
```

```
"checked" : "@checked",
```

```
"class" : "@class",
```

```
"const" : "@const",
```

```
"continue" : "@continue",
```

```
"decimal" : "@decimal",
```

```
"default" : "@default",
```

```
"delegate" : "@delegate",
```

```
"do" : "@do",
```

```
"double" : "@double",
```

```
"else" : "@else",
```

"enum" : "@enum",
"event" : "@event",
"explicit" : "@explicit",
"extern" : "@extern",
"false" : "@false",
"finally" : "@finally",
"fixed" : "@fixed",
"float" : "@float",
"for" : "@for",
"foreach" : "@foreach",
"goto" : "@goto",
"if" : "@if",
"implicit" : "@implicit",
"in" : "@in",
"int" : "@int",
"interface" : "@interface",
"internal" : "@internal",
"is" : "@is",
"lock" : "@lock",
"long" : "@long",
"namespace" : "@namespace",
"new" : "@new",
"null" : "@null",
"object"
: "@object",
"operator" : "@operator",
"out" : "@out",
"override" : "@override",
"params" : "@params",
"private" : "@private",
"protected" : "@protected",
"public" : "@public",
"readonly" : "@readonly",
"ref" : "@ref",
"return" : "@return",
"sbyte" : "@sbyte",
"sealed" : "@sealed",
"short" : "@short",
"sizeof" : "@sizeof",
"stackalloc" : "@stackalloc",
"static" : "@static",
"string" : "@string",
"struct" : "@struct",
"switch" : "@switch",
"this" : "@this",
"throw" : "@throw",
"true" : "@true",
"try" : "@try",

```

"typeof" : "@typeof",
"uint" : "@uint",
"ulong" : "@ulong",
"unchecked" : "@unchecked",
"unsafe" : "@unsafe",
"ushort" : "@ushort",
"using" : "@using",
"virtual" : "@virtual",
"values" : "@values",
"void" : "@void",
"volatile" : "@volatile",
"while" : "@while",
default : key
]

```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg

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*/

/** How to generate rules derived from left-recursive rules.


```

* These rely on recRuleAltPredicate(),
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
* templates in main language.stg
*/
group LeftRecursiveRules;

```

```

recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
        userRetvals, leftRecursiveRuleRefLabels) ::=
<<
<ruleName><if(userRetvals)>
returns [<userRetvals>]<endif>
: ( { } <primaryAlts:{alt | <alt.altText> }; separator="\n      | ">
  )
  (
    <opAlts; separator="\n      | ">
  )*
;
>>

```

```

recRuleAlt(alt, precOption, opPrec, pred) ::= <<
{<pred>}?\<precOption>=<opPrec>\> <alt.altText>
>>

```

Found in path(s):

```
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg
```

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```

/*
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```

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<text> [error <id>]"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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 */

```
tree grammar ATNBuilder;
options {
  language    = Java;
  tokenVocab  = ANTLRParser;
  ASTLabelType = GrammarAST;
// filter     = true;
}
```

```
// Include the copyright in this source and also the generated source
```

```
@header {
```

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2010 Terence Parr
```

```
All rights reserved.
```

```
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```

```
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```

```
*/
```

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import org.antlr.v4.automata.ATNFactory;
}
```

```

@members {
    ATNFactory factory;
    public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
        this(input);
        this.factory = factory;
    }
}

```

dummy : block[null] ; // avoid error about no start rule

ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]

```

@init {
    List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
    int alt = 1;
    factory.setCurrentOuterAlt(alt);
}
: ^(BLOCK
    (^ (OPTIONS .*) )?
    ( a=alternative
        {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
    )+
)
{ $p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts); }
;

```

block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]

```

@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
: ^(BLOCK (^ (OPTIONS .*) )? (a=alternative {alts.add($a.p);})+)
{ $p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts); }
;

```

alternative returns [ATNFactory.Handle p]

```

@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
: ^(LEXER_ALT_ACTION a=alternative lexerCommands)
    { $p = factory.lexerAltCommands($a.p,$lexerCommands.p); }
| ^(ALT elementOptions? EPSILON)    { $p = factory.epsilon($EPSILON); }
| ^(ALT elementOptions? (e=element {els.add($e.p);})+) { $p = factory.alt(els); }
;

```

lexerCommands returns [ATNFactory.Handle p]

```

@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
: (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);})+
{
    $p = factory.alt(cmds);
}
;

```

lexerCommand returns

```
[ATNFactory.Handle cmd]
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
  {$cmd = factory.lexerCommand($ID);}
;
```

lexerCommandExpr

```
: ID
| INT
;
```

element returns [ATNFactory.Handle p]

```
: labeledElement {$p = $labeledElement.p;}
| atom {$p = $atom.p;}
| subrule {$p = $subrule.p;}
| ACTION {$p = factory.action((ActionAST)$ACTION);}
| SEMPRED {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(ACTION .) {$p = factory.action((ActionAST)$ACTION);}
| ^(SEMPRED .) {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(NOT b=blockSet[true]) {$p = $b.p;}
| LEXER_CHAR_SET {$p = factory.charSetLiteral($start);}
;
```

astOperand returns [ATNFactory.Handle p]

```
: atom {$p = $atom.p;}
| ^(NOT blockSet[true]) {$p = $blockSet.p;}
;
```

labeledElement returns [ATNFactory.Handle p]

```
: ^(ASSIGN ID element) {$p = factory.label($element.p);}
| ^(PLUS_ASSIGN ID element)
  {$p = factory.listLabel($element.p);}
;
```

subrule returns [ATNFactory.Handle p]

```
: ^(OPTIONAL block[$start]) {$p = $block.p;}
| ^(CLOSURE block[$start]) {$p = $block.p;}
| ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
| block[null] {$p = $block.p;}
;
```

blockSet[boolean invert] returns [ATNFactory.Handle p]

```
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}
: ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}
;
```

```

/** Don't combine with atom otherwise it will build spurious ATN nodes */
setElement
: ^(STRING_LITERAL .)
| ^(TOKEN_REF .)
| STRING_LITERAL
| TOKEN_REF
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
| LEXER_CHAR_SET
;

atom returns [ATNFactory.Handle p]
: range    {$p = $range.p;}
| ^(DOT ID terminal) {$p = $terminal.p;}
| ^(DOT ID ruleref) {$p = $ruleref.p;}
| ^(WILDCARD .) {$p = factory.wildcard($start);}
| WILDCARD {$p = factory.wildcard($start);}
| blockSet[false] {$p
= $blockSet.p;}
| terminal {$p = $terminal.p;}
| ruleref {$p = $ruleref.p;}
;

ruleref returns [ATNFactory.Handle p]
: ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*)) {$p = factory.ruleRef($RULE_REF);}
| ^(RULE_REF ARG_ACTION?) {$p = factory.ruleRef($RULE_REF);}
| RULE_REF {$p = factory.ruleRef($RULE_REF);}
;

range returns [ATNFactory.Handle p]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
;

terminal returns [ATNFactory.Handle p]
: ^(STRING_LITERAL .) {$p = factory.stringLiteral((TerminalAST)$start);}
| STRING_LITERAL {$p = factory.stringLiteral((TerminalAST)$start);}
| ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
| ^(TOKEN_REF .) {$p = factory.tokenRef((TerminalAST)$start);}
| TOKEN_REF {$p = factory.tokenRef((TerminalAST)$start);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

elementOption
: ID
| ^(ASSIGN ID

```

```
ID)
| ^ (ASSIGN ID STRING_LITERAL)
| ^ (ASSIGN ID ACTION)
| ^ (ASSIGN ID INT)
;
```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ATNBuilder.g

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```
/*
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 * can be found in the LICENSE.txt file in the project root.
 */
```

Found in path(s):

```
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/QuantifierAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/RangeAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/PlusBlock.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/GoTarget.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Sync.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/RuleElementAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenRef.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/BuildDependencyGenerator.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ErrorMessage.java
*
 /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/TreeTextProvider.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ResyncToEndOfRuleBlock.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ToolANTLR Lexer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/ActionTranslator.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/QRetValueRef.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/ParserFactory.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/StructDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/ParserATNFactory.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1AltBlock.java
*
 /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/Decl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/OutputModelObject.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForOuterMostAlt.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/SymbolChecks.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/MutableInt.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/CSharpTarget.java
```

- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LexerFile.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/AttributeResolver.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/AltAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/FrequencySet.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListGetterDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_stop.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextToken.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/OutputFile.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/UnicodeEscapes.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/MatchNotSet.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/LabelType.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_type.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/LexerGrammar.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/TestRig.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/DefaultToolListener.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/DefaultOutputModelFactory.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/DispatchMethod.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/RuleFunction.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/Trees.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/UseDefAnalyzer.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/CodeGenPipeline.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/BaseListenerFile.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Recognizer.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/Rule.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/TerminalAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/AltLabelStructDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/CppTarget.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/ATNFactory.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/OutputModelFactory.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/DartTarget.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/RuleElement.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ErrorType.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/Python2Target.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java


```

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Parser.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/SetAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/MatchSet.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/TailEpsilonRemover.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_start.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/VisitorFile.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ExceptionClause.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/PHPTarget.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/LexerATNFactory.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ScopeParser.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ModelElement.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_channel.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/LexerFactory.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/AltBlock.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/MatchToken.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/BlankOutputModelFactory.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Loop.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/SwiftTarget.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Choice.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/RuleActionFunction.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/GrammarSyntaxMessage.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/LeftRecursiveRule.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ANTLRMessage.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/BaseVisitorFile.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/GrammarParserInterpreter.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Wildcard.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_text.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/ATNOptimizer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/StarBlock.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/Attribute.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleTransformer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/OutputModelController.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_index.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/GrammarToken.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_ctx.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java

```

```

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/TestSetInline.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_stop.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Action.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ToolANTLRParser.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/RuleRefAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_text.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/InvokeRule.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/GrammarASTAdaptor.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_ctx.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/Graph.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_parser.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/analysis/LeftRecursionDetector.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_text.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/Lexer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_line.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/ActionSniffer.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/Python3Target.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ErrorSeverity.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ToolMessage.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/GrammarTransformPipeline.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/LabelElementPair.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/StarBlockAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/EscapeSequenceParsing.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/Tool.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1Loop.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/Target.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ANTLRToolListener.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/Alternative.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/SrcOp.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/SymbolCollector.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/Grammar.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/NotAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/OutputModelWalker.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/PlusBlockAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionText.java

```

- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_start.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/v3TreeGrammarException.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/v4ParserException.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/LabelRef.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_pos.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/ActionAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/ATNVisitor.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/CodeGenerator.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/automata/ATNPrinter.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ActionSplitterListener.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_int.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/LocalRef.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/TreeLayoutAdaptor.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/CharSupport.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ArgAction.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/RuleAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LL1Choice.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/target/JavaTarget.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/analysis/AnalysisPipeline.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/PostScriptDocument.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/AttributeChecks.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarRootAST.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/dbg.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/BasicSemanticChecks.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/TokenVocabParser.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/AttributeDict.java
- *
- /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/SemanticPipeline.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/Utils.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/SemPred.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/BasicFontMetrics.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/misc/OrderedHashMap.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/AddToLabelList.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java
- * /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/OptionalBlock.java

```

*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ParserFile.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/TreePostScriptGenerator.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ListenerFile.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/DOTGenerator.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/PredAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListIndexedGetterDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/semantics/RuleCollector.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/TreeView.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/BlockAST.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/SerializedATN.java
*
/antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/codegen/model/LabeledOp.java
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/gui/SystemFontMetrics.java
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*/

atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<

digraph ATN {

rankdir=LR;

<decisionRanks; separator="\n">

<states; separator="\n">

<edges; separator="\n">

}

>>

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<

digraph <name> {

```

<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges;
separator="\n">
}
>>

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator=" "; ">}
>>

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
label="
    <! rest(transition) tests for decision states: these nodes have a non-empty
set of transitions after the first one. !>
    <if(rest(transitions))>
    {
    <! Label on the left side of the record node. !>
    <label>
    |
    <! Named ports in order on right side of record node, no display text. !>
    { <transitions:{t|<p<i0>>}; separator="|"> }
    <else>
    <label>
    <endif>
    "
    <if(rest(transitions))>
    , shape=record, fixedsize=false
    <else>
    , shape=circle, fixedsize=true, width=.55
    <endif>

```

```
,peripheries=1];
```

```
%>
```

```
stopstate(name,label,actionIndex,useBox) ::= <<
```

```
<name>[fontsize=11, label="<label><if(actionIndex)>\naction:<actionIndex><endif>",
```

```
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsize=false<else>shape=doublecircle, fixedsize=true,  
width=.6<endif>];
```

```
>>
```

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* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/dot/graphs.stg

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* /antlr4-4-9-1-sources-1-jar/META-INF/maven/org.antlr/antlr4/pom.xml

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```

```

/** The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.

```

```

* Parses trees created by ANTLRParser.g.
*
* Rather than have multiple tree grammars, one for each visit, I'm
* creating this generic visitor that knows about context. All of the
* boilerplate pattern recognition is done here. Then, subclasses can
* override the methods they care about.

```

```

This prevents a lot of the same

```

```

* context tracking stuff like "set current alternative for current
* rule node" that is repeated in lots of tree filters.
*/

```

```

tree grammar GrammarTreeVisitor;
options {
    language      = Java;
    tokenVocab    = ANTLRParser;
    ASTLabelType  = GrammarAST;
}

```

```

// Include the copyright in this source and also the generated source

```

```

@header {

```

```

/*

```

```

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*/

```
package org.antlr.v4.parse;
import org.antlr.v4.Tool;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Method;
}

@members
{
    public String grammarName;
    public GrammarAST currentRuleAST;
    public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;
    public String currentRuleName;
    public GrammarAST currentOuterAltRoot;
    public int currentOuterAltNumber = 1; // 1..n
    public int rewriteEBNFLevel = 0;

    public GrammarTreeVisitor() { this(null); }

    // Should be abstract but can't make gen'd parser abstract;
    // subclasses should implement else everything goes to stderr!
    public ErrorManager getErrorManager() { return null; }

    public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
    public void visit(GrammarAST t, String ruleName) {
        CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
        setTreeNodeStream(nodes);
        try {
            Method m = getClass().getMethod(ruleName);
            m.invoke(this);
        }
        catch (Throwable e) {
            ErrorManager errMgr = getErrorManager();
            if ( e instanceof InvocationTargetException ) {
                e = e.getCause();
            }
            //e.printStackTrace(System.err);
            if
            ( errMgr==null ) {
                System.err.println("can't find rule "+ruleName+
```

```

        " or tree structure error: "+t.toStringTree()
    );
    e.printStackTrace(System.err);
}
else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
}
}

public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }
public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

public void modeDef(GrammarAST m, GrammarAST ID) { }

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST
    rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,
    GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t, GrammarAST ID, GrammarAST
    valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }

```

```

public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }
protected void exitPrequelConstructs(GrammarAST tree) { }

protected void enterPrequelConstruct(GrammarAST tree) { }
protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }
protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }
protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST
tree) { }
protected void exitOptionValue(GrammarAST tree) { }

protected void enterDelegateGrammars(GrammarAST tree) { }
protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }
protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }
protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }
protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }
protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }
protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }
protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }
protected void exitRules(GrammarAST tree) { }

```

```

protected void enterMode(GrammarAST tree) { }
protected void exitMode(GrammarAST tree) { }

protected
void enterLexerRule(GrammarAST tree) { }
protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }
protected void exitRule(GrammarAST tree) { }

protected void enterExceptionGroup(GrammarAST tree) { }
protected void exitExceptionGroup(GrammarAST tree) { }

protected void enterExceptionHandler(GrammarAST tree) { }
protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }
protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }
protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }
protected void exitRuleReturns(GrammarAST tree) { }

protected void enterThrowsSpec(GrammarAST tree) { }
protected void exitThrowsSpec(GrammarAST tree) { }

protected void enterRuleAction(GrammarAST tree) { }
protected void exitRuleAction(GrammarAST tree) { }

protected void enterRuleModifier(GrammarAST tree) { }
protected
void exitRuleModifier(GrammarAST tree) { }

protected void enterLexerRuleBlock(GrammarAST tree) { }
protected void exitLexerRuleBlock(GrammarAST tree) { }

protected void enterRuleBlock(GrammarAST tree) { }
protected void exitRuleBlock(GrammarAST tree) { }

protected void enterLexerOuterAlternative(AltAST tree) { }
protected void exitLexerOuterAlternative(AltAST tree) { }

protected void enterOuterAlternative(AltAST tree) { }
protected void exitOuterAlternative(AltAST tree) { }

protected void enterLexerAlternative(GrammarAST tree) { }

```

protected void exitLexerAlternative(GrammarAST tree) { }

protected void enterLexerElements(GrammarAST tree) { }

protected void exitLexerElements(GrammarAST tree) { }

protected void enterLexerElement(GrammarAST tree) { }

protected void exitLexerElement(GrammarAST tree) { }

protected void enterLabeledLexerElement(GrammarAST tree) { }

protected void exitLabeledLexerElement(GrammarAST tree) { }

protected void enterLexerBlock(GrammarAST tree) { }

protected

void exitLexerBlock(GrammarAST tree) { }

protected void enterLexerAtom(GrammarAST tree) { }

protected void exitLexerAtom(GrammarAST tree) { }

protected void enterActionElement(GrammarAST tree) { }

protected void exitActionElement(GrammarAST tree) { }

protected void enterAlternative(AltAST tree) { }

protected void exitAlternative(AltAST tree) { }

protected void enterLexerCommand(GrammarAST tree) { }

protected void exitLexerCommand(GrammarAST tree) { }

protected void enterLexerCommandExpr(GrammarAST tree) { }

protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }

protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }

protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }

protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }

protected void exitSubrule(GrammarAST tree) { }

protected

void enterLexerSubrule(GrammarAST tree) { }

protected void exitLexerSubrule(GrammarAST tree) { }

protected void enterBlockSuffix(GrammarAST tree) { }

protected void exitBlockSuffix(GrammarAST tree) { }

```

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }

protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected
    void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) { }

protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }

@Override
public void traceIn(String ruleName, int ruleIndex) {
    System.err.println("enter "+ruleName+": "+input.LT(1));
}

@Override
public void traceOut(String ruleName, int ruleIndex) {
    System.err.println("exit "+ruleName+": "+input.LT(1));
}

grammarSpec
@init {
    enterGrammarSpec($start);
}
@after {

```

```

exitGrammarSpec($start);
}
: ^( GRAMMAR ID {grammarName=$ID.text;}
  {discoverGrammar((GrammarRootAST)$GRAMMAR, $ID);}
  prequelConstructs
  {finishPrequels($prequelConstructs.firstOne);}
  rules mode*
  {finishGrammar((GrammarRootAST)$GRAMMAR, $ID);}
)
;

```

prequelConstructs returns [GrammarAST firstOne=null]

```

@init {
  enterPrequelConstructs($start);
}
@after {
  exitPrequelConstructs($start);
}
: {$firstOne=$start;} prequelConstruct+
|
;

```

prequelConstruct

```

@init
{
  enterPrequelConstructs($start);
}
@after {
  exitPrequelConstructs($start);
}
: optionsSpec
| delegateGrammars
| tokensSpec
| channelsSpec
| action
;

```

optionsSpec

```

@init {
  enterOptionsSpec($start);
}
@after {
  exitOptionsSpec($start);
}
: ^(OPTIONS option*)
;

```

option


```

@init {
    enterOption($start);
    boolean rule = inContext("RULE ...");
    boolean block = inContext("BLOCK ...");
}
@after {
    exitOption($start);
}
: ^(a=ASSIGN ID v=optionValue)
{
    if ( block ) blockOption($ID, $v.start); // most specific first
    else if ( rule ) ruleOption($ID, $v.start);
    else grammarOption($ID, $v.start);
}
;

```

optionValue returns [String v]

```

@init {
    enterOptionValue($start);
    $v = $start.token.getText();
}
@after {
    exitOptionValue($start);
}
: ID
| STRING_LITERAL
| INT
;

```

delegateGrammars

```

@init {
    enterDelegateGrammars($start);
}
@after {
    exitDelegateGrammars($start);
}
: ^(IMPORT
delegateGrammar+)
;

```

delegateGrammar

```

@init {
    enterDelegateGrammar($start);
}
@after {
    exitDelegateGrammar($start);
}
: ^(ASSIGN label=ID id=ID) {importGrammar($label, $id);}

```

```
| id=ID    {importGrammar(null, $id);}
;
```

tokensSpec

```
@init {
    enterTokensSpec($start);
}
@after {
    exitTokensSpec($start);
}
: ^(TOKENS_SPEC tokenSpec+)
;
```

tokenSpec

```
@init {
    enterTokenSpec($start);
}
@after {
    exitTokenSpec($start);
}
: ID    {defineToken($ID);}
;
```

channelsSpec

```
@init {
    enterChannelsSpec($start);
}
@after {
    exitChannelsSpec($start);
}
: ^(CHANNELS channelSpec+)
;
```

channelSpec

```
@init {
    enterChannelSpec($start);
}
@after {
    exitChannelSpec($start);
}
: ID    {defineChannel($ID);}
;
```

action

```
@init {
    enterAction($start);
}
@after {
```

```

    exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;

rules
@init {
    enterRules($start);
}
@after {
    exitRules($start);
}
: ^(RULES {discoverRules($RULES);} (rule|lexerRule)*
{finishRules($RULES);})
;

mode
@init {
    enterMode($start);
}
@after {
    exitMode($start);
}
: ^( MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;

lexerRule
@init {
    enterLexerRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    currentOuterAltNumber=0;
}
@after {
    exitLexerRule($start);
}
: ^( RULE TOKEN_REF
    {currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
    (^ (RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
    {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, (GrammarAST)input.LT(1));}
    lexerRuleBlock
    {
        finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
        currentRuleName=null; currentRuleAST=null;
    }
    )
;

rule

```

```

@init {
    enterRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
    currentOuterAltNumber=0;
}
@after {
    exitRule($start);
}
: ^( RULE RULE_REF {currentRuleName=$RULE_REF.text;
currentRuleAST=$RULE;}
    (^ (RULEMODIFIERS (m=ruleModifier{mods.add($m.start);}))+)?
    ARG_ACTION?
    ret=ruleReturns?
    thr=throwsSpec?
    loc=locals?
    ( opts=optionsSpec
    | a=ruleAction {actions.add($a.start);}
    )*
    {discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
        $ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
        $thr.start, $opts.start,
        $loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
        actions, (GrammarAST)input.LT(1));}
    ruleBlock exceptionGroup
    {finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
    )
;

exceptionGroup
@init {
    enterExceptionGroup($start);
}
@after {
    exitExceptionGroup($start);
}
: exceptionHandler* finallyClause?
;

exceptionHandler
@init {
    enterExceptionHandler($start);
}
@after {
    exitExceptionHandler($start);
}
: ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION,

```

```

(ActionAST)$ACTION);}
;

finallyClause
@init {
    enterFinallyClause($start);
}
@after {
    exitFinallyClause($start);
}
: ^(FINALLY ACTION) {finallyAction((ActionAST)$ACTION);}
;

```

```

locals
@init {
    enterLocals($start);
}
@after {
    exitLocals($start);
}
: ^(LOCALS ARG_ACTION)
;

```

```

ruleReturns
@init {
    enterRuleReturns($start);
}
@after {
    exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

```

```

throwsSpec
@init {
    enterThrowsSpec($start);
}
@after {
    exitThrowsSpec($start);
}
: ^(THROWS ID+)
;

```

```

ruleAction
@init {
    enterRuleAction($start);
}
@after {

```

```

exitRuleAction($start);
}
: ^(AT ID ACTION)
;

```

```

ruleModifier
@init {
    enterRuleModifier($start);
}
@after {
    exitRuleModifier($start);
}
: PUBLIC
| PRIVATE
| PROTECTED
| FRAGMENT
;

```

```

lexerRuleBlock
@init {
    enterLexerRuleBlock($start);
}
@after {
    exitLexerRuleBlock($start);
}
: ^( BLOCK
    ( {
        currentOuterAltRoot = (GrammarAST)input.LT(1);
        currentOuterAltNumber++;
    }
    lexerOuterAlternative
    )+
    )
;

```

```

ruleBlock
@init {
    enterRuleBlock($start);
}
@after {
    exitRuleBlock($start);
}
: ^( BLOCK
    ( {
        currentOuterAltRoot = (GrammarAST)input.LT(1);
        currentOuterAltNumber++;
    }
    outerAlternative

```

```
)+  
)  
;
```

lexerOuterAlternative

```
@init {  
  enterLexerOuterAlternative((AltAST)$start);  
  discoverOuterAlt((AltAST)$start);  
}  
@after {  
  finishOuterAlt((AltAST)$start);  
  exitLexerOuterAlternative((AltAST)$start);  
}  
: lexerAlternative  
;
```

outerAlternative

```
@init {  
  enterOuterAlternative((AltAST)$start);  
  discoverOuterAlt((AltAST)$start);  
}  
@after {  
  finishOuterAlt((AltAST)$start);  
  exitOuterAlternative((AltAST)$start);  
}  
: alternative  
;
```

lexerAlternative

```
@init {  
  enterLexerAlternative($start);  
}  
@after {  
  exitLexerAlternative($start);  
}  
: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)  
  | lexerElements  
;
```

lexerElements

```
@init {  
  enterLexerElements($start);  
}  
@after {  
  exitLexerElements($start);  
}
```

```

: ^(ALT lexerElement+)
;

lexerElement
@init {
  enterLexerElement($start);
}
@after {
  exitLexerElement($start);
}
: labeledLexerElement
| lexerAtom
| lexerSubrule
| ACTION {actionInAlt((ActionAST)$ACTION);}
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| EPSILON
;

labeledLexerElement
@init {
  enterLabeledLexerElement($start);
}
@after {
  exitLabeledLexerElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID (lexerAtom|block))
;

lexerBlock
@init {
  enterLexerBlock($start);
}
@after {
  exitLexerBlock($start);
}
: ^(BLOCK optionsSpec? lexerAlternative+)
;

lexerAtom
@init {
  enterLexerAtom($start);
}
@after {
  exitLexerAtom($start);
}
: terminal

```



```

| ^(NOT blockSet)
| blockSet
| ^(WILDCARD elementOptions)
| WILDCARD
| LEXER_CHAR_SET
| range
| ruleref
;

```

actionElement

```

@init {
    enterActionElement($start);
}
@after
{
    exitActionElement($start);
}
: ACTION
| ^(ACTION elementOptions)
| SEMPRED
| ^(SEMPRED elementOptions)
;

```

alternative

```

@init {
    enterAlternative((AltAST)$start);
    discoverAlt((AltAST)$start);
}
@after {
    finishAlt((AltAST)$start);
    exitAlternative((AltAST)$start);
}
: ^(ALT elementOptions? element+)
| ^(ALT elementOptions? EPSILON)
;

```

lexerCommand

```

@init {
    enterLexerCommand($start);
}
@after {
    exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
    {lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
| ID
    {lexerCommand(currentOuterAltNumber, $ID);}
;

```

```
lexerCommandExpr
@init {
    enterLexerCommandExpr($start);
}
@after {
    exitLexerCommandExpr($start);
}
: ID
| INT
;
```

```
element
@init {
    enterElement($start);
}
@after {
    exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION    {actionInAlt((ActionAST)$ACTION);}
| SEMPRED   {sempredInAlt((PredAST)$SEMPRED);}
|
| ^ (ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^ (SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^ (NOT blockSet)
| ^ (NOT block)
;
```

```
astOperand
@init {
    enterAstOperand($start);
}
@after {
    exitAstOperand($start);
}
: atom
| ^ (NOT blockSet)
| ^ (NOT block)
;
```

```
labeledElement
@init {
    enterLabeledElement($start);
}
```

```

@after {
  exitLabeledElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
;

```

```

subrule
@init {
  enterSubrule($start);
}
@after {
  exitSubrule($start);
}
: ^(blockSuffix block)
| block
;

```

```

lexerSubrule
@init {
  enterLexerSubrule($start);
}
@after {
  exitLexerSubrule($start);
}
: ^(blockSuffix lexerBlock)
| lexerBlock
;

```

```

blockSuffix
@init {
  enterBlockSuffix($start);
}
@after {
  exitBlockSuffix($start);
}
: ebnfSuffix
;

```

```

ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
  exitEbnfSuffix($start);
}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE

```

```

;

atom
@init {
    enterAtom($start);
}
@after
{
    exitAtom($start);
}
: ^(DOT ID terminal)
| ^(DOT ID ruleref)
| ^(WILDCARD elementOptions) {wildcardRef($WILDCARD);}
| WILDCARD    {wildcardRef($WILDCARD);}
| terminal
| blockSet
| ruleref
;

blockSet
@init {
    enterBlockSet($start);
}
@after {
    exitBlockSet($start);
}
: ^(SET setElement+)
;

setElement
@init {
    enterSetElement($start);
}
@after {
    exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions) {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| STRING_LITERAL      {stringRef((TerminalAST)$STRING_LITERAL);}
| TOKEN_REF           {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{
    stringRef((TerminalAST)$a);
    stringRef((TerminalAST)$b);
}
| LEXER_CHAR_SET
;

```

```

block
@init {
    enterBlock($start);
}
@after {
    exitBlock($start);
}
: ^(BLOCK optionsSpec? ruleAction* ACTION?
alternative+)
;

ruleref
@init {
    enterRuleref($start);
}
@after {
    exitRuleref($start);
}
: ^(RULE_REF arg=ARG_ACTION? elementOptions?)
{
    ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
    if ( $arg!=null ) actionInAlt((ActionAST)$arg);
}
;

range
@init {
    enterRange($start);
}
@after {
    exitRange($start);
}
: ^(RANGE STRING_LITERAL STRING_LITERAL)
;

terminal
@init {
    enterTerminal($start);
}
@after {
    exitTerminal($start);
}
: ^(STRING_LITERAL elementOptions)
    {stringRef((TerminalAST)$STRING_LITERAL);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
;

```

```

elementOptions
@init {
    enterElementOptions($start);
}
@after {
    exitElementOptions($start);
}
: ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*);

```

```

elementOption[GrammarASTWithOptions t]
@init {
    enterElementOption($start);
}
@after
{
    exitElementOption($start);
}
: ID      {elementOption(t, $ID, null);}
| ^(ASSIGN id=ID v=ID) {elementOption(t, $id, $v);}
| ^(ASSIGN ID v=STRING_LITERAL) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=ACTION) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=INT) {elementOption(t, $ID, $v);}
;

```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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/*

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*/

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ANTLRParser.java

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/*

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

```
message(id, text) ::= "<id> <text>"
```

```
report(location, message, type) ::= "<type>(<message.id>): <location> <message.text>"
```

```
wantsSingleLineMessage() ::= "false"
```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg

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```
/*
```

```
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```

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```

```
*/
```

```
phpTypeInitMap ::= [
```

```
"int": "0",
```

```
"long": "0",
```

```
"float": "0.0",
```

```
"double": "0.0",
```

```
"boolean": "false",
```



```

default:"null"
]

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@see <file.parserName>}.
 */
interface <file.grammarName>Listener extends ParseTreeListener {
<file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the `<lname>`
 * labeled alternative in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()}.
<else>
 * Enter a parse tree produced by {@see <file.parserName>::<lname>()}.
<endif>
 * @param $context The parse tree.
 */
public function enter<lname; format="cap">(Context\<lname; format="cap">Context $context) : void;
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the `<lname>` labeled alternative
 * in {@see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()}.
<else>
 * Exit a parse
 * tree produced by {@see <file.parserName>::<lname>()}.
<endif>
 * @param $context The parse tree.
 */
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context) : void;};
separator="\n"
}

```

>>

```
BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>

use Antlr\Antlr4\Runtime\ParserRuleContext;
use Antlr\Antlr4\Runtime\Tree\ErrorNode;
use Antlr\Antlr4\Runtime\Tree\TerminalNode;

/**
 * This class provides an empty implementation of {@see <file.grammarName>Listener},
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseListener implements <file.grammarName>Listener
{
    <file.listenerNames>{lname |
/**
 * {@inheritDoc}
 *
 * The default implementation does nothing.
 */
public function enter<lname; format="cap">(Context\<lname; format="cap">Context
    $context) : void {}

/**
 * {@inheritDoc}
 *
 * The default implementation does nothing.
 */
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context) : void {}};
separator="\n">

/**
 * {@inheritDoc}
 *
 * The default implementation does nothing.
 */
public function enterEveryRule(ParserRuleContext $context) : void {}

/**
 * {@inheritDoc}
 *
 * The default implementation does nothing.
 */
```

```

*/
public function exitEveryRule(ParserRuleContext $context) : void {}

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function visitTerminal(TerminalNode $node) : void {}

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function visitErrorNode(ErrorNode $node) : void {}
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>

<header>
use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced by {@see <file.parserName>}.
 */
interface <file.grammarName>Visitor extends ParseTreeVisitor
{
    <file.visitorNames:{lname |
/**
    <if(file.visitorLabelRuleNames.(lname))>
    * Visit a parse tree produced by the `<lname>` labeled alternative
    * in {@see <file.parserName>::<file.visitorLabelRuleNames.(lname)>()}.
    <else>
    * Visit a parse tree produced by {@see <file.parserName>::<lname>()}.
    <endif>
    *
    * @param Context\\<lname; format="cap">Context $context The parse tree.
    *
    * @return mixed The visitor result.
    */
    public function visit<lname; format="cap">(Context\\<lname; format="cap">Context $context);};
    separator="\n\n">

```

```

}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\AbstractParseTreeVisitor;

/**
 * This class provides
 * an empty implementation of {@see <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
    <file.visitorNames:{lname |
/**
 * {@inheritDoc}
 *
 * The default implementation returns the result of calling
 * {@see self::visitChildren()} on `context`.
 */
public function visit<lname; format="cap">(Context\<lname; format="cap">Context $context)
{
    return $this->visitChildren($context);
\}}; separator="\n\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

/**
 * Generated from <grammarFileName> by ANTLR <ANTLRVersion>
 */

>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>

```

```

use
Antlr\\Antlr4\\Runtime\\Atn\\ATN;
use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
use Antlr\\Antlr4\\Runtime\\Atn\\ParserATNSimulator;
use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\FailedPredicateException;
use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\NoViableAltException;
use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
use Antlr\\Antlr4\\Runtime\\Error\\Exceptions\\RecognitionException;
use Antlr\\Antlr4\\Runtime\\RuleContext;
use Antlr\\Antlr4\\Runtime\\Token;
use Antlr\\Antlr4\\Runtime\\TokenStream;
use Antlr\\Antlr4\\Runtime\\Vocabulary;
use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
use Antlr\\Antlr4\\Runtime\\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

final class <parser.name> extends <superClass; null="Parser">
{
    <if(parser.tokens)>
    public const <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=",
    ", wrap, anchor>;
    <endif>

    <if(parser.rules)>
    public const <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    <endif>

    /**
     * @var array<string>
     */
    public const RULE_NAMES = [
        <parser.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
    ];

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    <atn>
    protected static $atn;
    protected static $decisionToDFA;
    protected static $sharedContextCache;
    <if(namedActions.members)>

    <namedActions.members>
    <endif>

```

```

<parser:(ctor)()>

private static function initialize() : void
{
    if (self::$atn !== null) {
        return;
    }

    RuntimeMetaData::checkVersion('<file.ANTLRVersion>', RuntimeMetaData::VERSION);

    $atn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

    $decisionToDFA = [];
    for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
        $decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
    }

    self::$atn = $atn;
    self::$decisionToDFA
= $decisionToDFA;
    self::$sharedContextCache = new PredictionContextCache();
}

public function getGrammarFileName() : string
{
    return "<parser.grammarFileName>";
}

public function getRuleNames() : array
{
    return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
    return self::SERIALIZED_ATN;
}

public function getATN() : ATN
{
    return self::$atn;
}

public function getVocabulary() : Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}

```

```

    }
<endif(funcs)>

    <funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

    public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
    {
        switch ($ruleIndex) {
            <parser.sempredFuncs.values:{f|
            case <f.ruleIndex>:
                return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

            default:
                return
            true;
        }
    }

    <sempredFuncs.values; separator="\n\n">
<endif>
}
}

namespace <if(file.genPackage)><file.genPackage>\\<endif>Context {
    use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
    use Antlr\\Antlr4\\Runtime\\Token;
    use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;
    use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;
    use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;
    use <if(file.genPackage)><file.genPackage>\\<endif><parser.name>;
    <if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Visitor;<endif>
    <if (file.genListener)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Listener;<endif>
    <namedActions.contexts>

    <funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

    <func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>}; separator="\n\n"><endif> }; separator="\n\n">
    }
>>

vocabulary(literalNames, symbolicNames) ::= <<
/**
 * @var array<string|null>
 */
private const LITERAL_NAMES = [
    <literalNames:{t

```

```

| <t>}; null="null", separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
private const SYMBOLIC_NAMES = [
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex) : void
{
    switch ($ruleIndex) {
        <recog.actionFuncs.values:{f|
        case <f.ruleIndex>:
            $this->action<f.name; format="cap">($localContext, $actionIndex);
            break;}; separator="\n\n">
        }
    }

    <actionFuncs.values; separator="\n">
    <endif>
    <if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
    switch ($ruleIndex) {
        <recog.sempredFuncs.values:{f|
        case <f.ruleIndex>:
            return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
        }

    return true;
    }
    <sempredFuncs.values; separator="\n\n">
    <endif>
    >>

parser_ctor(p) ::= <<
public
function __construct(TokenStream $input)
{
    parent::__construct($input);

```



```

self::initialize();

$this->interp = new ParserATNSimulator($this, self::$satn, self::$decisionToDFA, self::$sharedContextCache);
}
>>

/**
 * This generates a private method since the actionIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex) : void
{
switch ($actionIndex) {
<actions:{index|
case <index>:
<actions.(index)>

break;}; separator="\n\n">
}
}
>>

/**
 * This generates a private method since the predicateIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(Context\\<r.ctxType> $localContext, int $predicateIndex) : bool
{
switch ($predicateIndex) {
<actions:{index|
case <index>:
return <actions.(index)>;};
separator="\n\n">
}

return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
::= <<
/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">) : Context\\<currentRule.ctxType>

```

```

{
    $localContext = new Context\\<currentRule.ctxType>($this->ctx, $this->getState())<currentRule.args:{a | ,
    $<a.name>}>);

    $this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
    <namedActions.init>
    <locals; separator="\n">

    try {
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    }<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
        $localContext->exception = $exception;
        $this->errorHandler->reportError($this, $exception);
        $this->errorHandler->recover($this, $exception);

    }<endif> finally {
        <finallyAction>
        $this->exitRule();
    }

    return $localContext;
}
>>

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble) ::= <<

```

/**
 * @throws RecognitionException
 */
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">) : Context\\<currentRule.ctxType>
{
    return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
}

/**
 * @throws RecognitionException
 */
private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>) :
Context\\<currentRule.ctxType>
{
    $parentContext = $this->ctx;
    $parentState = $this->getState();
    $localContext = new Context\\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args:{a | ,
    <a.name>}>);
    $previousContext = $localContext;

```

```

$startState = <currentRule.startState>;
$this->enterRecursionRule($localContext, <currentRule.startState>,
self::RULE_<currentRule.name>, $precedence);
<namedActions.init>
<locals; separator="\n">

try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
} catch (RecognitionException $exception) {
    $localContext->exception = $exception;
    $this->errorHandler->reportError($this, $exception);
    $this->errorHandler->recover($this, $exception);
} finally {
    <finallyAction>
    $this->unrollRecursionContexts($parentContext);
}

return $localContext;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops;
separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

switch ($this->input->LA(1)) {
    <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    break;}; separator="\n\n">

```

default:

```
<error>
}
>>
```

LL1OptionalBlock(choice, alts, error) ::= <<

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
```

```
switch ($this->input->LA(1)) {
    <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    break;}; separator="\n\n">
```

default:

```
break;
}
>>
```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<preamble; separator="\n">
```

```
if (<expr>) {
    <alts; separator="\n">
}
>>
```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
```

```
<preamble;
separator="\n">
while (<loopExpr>) {
    <alts; separator="\n">
    $this->setState(<choice.loopBackStateNumber>);
    $this->errorHandler->sync($this);
    <iteration>
}
>>
```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<

```
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);
```

```
<preamble; separator="\n">
```

```

do {
  <alts; separator="\n">
  $this->setState(<choice.stateNumber>); <!-- loopback/exit decision !-->
  $this->errorHandler->sync($this);
  <iteration>
} while (<loopExpr>);
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
  <alts:{alt |
case <i>:
  <alt>
break;}; separator="\n\n">
}
>>

OptionalBlock(choice,
alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
<alts:{alt |
  case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
break;}; separator="\n\n">
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);

while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER) {
  if ($alt === 1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <!-- should only be one !-->
  }
}

```

```

$this->setState(<choice.loopBackStateNumber>);
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block
decision !>
$this->errorHandler->sync($this);

$alt = 1<if(!choice.ast.greedy)>+1<endif>;

do {
  switch ($alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n\n">
  default:
    <error>
  }
}

$this->setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
} while ($alt != <choice.exitAlt> && $alt != ATN::INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException($this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) === 0
>>

// produces smaller bytecode

```

```

only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftConst(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>($<shiftAmount> - <offset>)<else>$<shiftAmount><endif>
%>
offsetShiftConst(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(self::<shiftAmount> - <offset>)<else>self::<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | $<s.varName> === self::<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case self::<t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>$this-><if(r.ast.options.p)>recursive<r.name>
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif>
<argExprsChunks>);
>>

MatchToken(m) ::= <<
$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>$this->match(self::<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{l | <labelref(l)> = }>$this->input->LT(1);<endif>

```

```

<capture>

if (<if(invert)>${m.varName} \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>${this->errorHandler->recoverInline($this);
} else {
    if ($this->input->LA(1) === Token::EOF) {
        $this->matchedEOF = true;
    }

    $this->errorHandler->reportMatch($this);
    $this->consume();
}
>>

Wildcard(w) ::= <<
$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{l
| <labelref(l)> = }><endif>${this->matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if (!(<chunks>)) {
    throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>);
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "$this->skip();"
LexerMoreCommand() ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"

LexerTypeCommand(arg, grammar) ::= "$this->type = <arg>";"

```



```

LexerChannelCommand(arg, grammar) ::= "$this->channel = <arg>;"
LexerModeCommand(arg, grammar)   ::= "$this->mode = <arg>;"
LexerPushModeCommand(arg, grammar) ::= "$this->pushMode(<arg>;"

ActionText(t) ::= "<t.text>"
ActionTemplate(t)
    ::= "<t.st>"
ArgRef(a) ::= "$localContext-><a.name>"
LocalRef(a) ::= "$localContext-><a.name>"
RetValRef(a) ::= "$localContext-><a.name>"
QRetValRef(a) ::= "<ctx(a)>-><a.dict>-><a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>-><t.name>"
LabelRef(t) ::= "<ctx(t)>-><t.name>"
ListLabelRef(t) ::= "<ctx(t)>-><ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>-><s.name> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getText() : null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getType() : 0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getLine() : 0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>-><t.label>
    != null ? <ctx(t)>-><t.label>->getChannel() : 0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>-><t.label> != null ? (int) <ctx(t)>-><t.label>->getText() : 0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>-><r.label> != null ? (<ctx(r)>-><r.label>->start) : null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>-><r.label> != null ? (<ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_text(r) ::= "(<ctx(r)>-><r.label> != null ? $this->input->getTextByTokens(<ctx(r)>-><r.label>->start, <ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>-><r.label>"
RulePropertyRef_parser(r) ::= "$this"

ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r) ::= "$localContext->stop"
ThisRulePropertyRef_text(r) ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "$localContext"
ThisRulePropertyRef_parser(r) ::=
    "$this"

NonLocalAttrRef(s) ::= "$this->getInvokingContext(<s.ruleIndex>-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "$this->getInvokingContext(<s.ruleIndex>-><s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>-><a.listName>[] = <labelref(a.label)>;"

```

```

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"
RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls)>
  <struct.tokenListDecls : {d | /**
  * @var array<Token>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls)>
<if(struct.tokenListDecls)>

<endif>
  <struct.tokenDecls : {d | /**
  * @var <TokenLabelType()>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
  <if(struct.ruleContextDecls)>
  <if(struct.tokenListDecls
  || struct.tokenDecls)>

<endif>
  <struct.ruleContextDecls : {d | /**
  * @var <d.ctxName>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
  <if(struct.ruleContextListDecls)>
  <if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls)>

<endif>
  <struct.ruleContextListDecls : {d | /**
  * @var array<<<d.ctxName>>>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
  <if(struct.attributeDecls)>
  <if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
  <struct.attributeDecls : {d | /**
  * @var <d.type><if(!d.initValue)>|null<endif> $<d.name>

```

```

*/
public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>

>>

ContextTokenGetterDecl(t) ::= <<
public function <t.name>() : ?TerminalNode
{
    return $this->getToken(<parser.name>::<t.name>, 0);
}
>>

ContextTokenListGetterDecl(t) ::= <<
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
/**
 * @return
 * array<TerminalNode>|TerminalNode|null
 */
public function <t.name>(?int $index = null)
{
    if ($index === null) {
        return $this->getTokens(<parser.name>::<t.name>);
    }

    return $this->getToken(<parser.name>::<t.name>, $index);
}
>>

ContextRuleGetterDecl(r) ::= <<
public function <r.name>() : ?<r.ctxName>
{
    return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
/**
 * @return array<<<r.ctxName>>>|<r.ctxName>|null
 */
public function <r.name>(?int $index = null)
{
    if ($index === null) {

```

```

return $this->getTypedRuleContexts(<r.ctxName>::class);
}

return $this->getTypedRuleContext(<r.ctxName>::class, $index);
}
>>

LexerRuleContext() ::= "RuleContext"

/**
 * The rule context name is the rule followed by a suffix; e.g., r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id)
    ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "$<d.varName> = \$this->input->LT(1);"
CaptureNextTokenType(d) ::= "$<d.varName> = $this->input->LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif>
{
<PropertiesDecl(struct)>
public function __construct(?ParserRuleContext $parent, ?int $invokingState = null<ctorAttrs:{a | , ?<a> = null}>)
{
    parent::__construct($parent, $invokingState);
<if(struct.ctorAttrs)>

    <struct.ctorAttrs:{a | $this-><a.name> = $<a.name> ?? $this-><a.name>;}; separator="\n">
<endif>
}

public function getRuleIndex() : int
{
    return <parser.name>::RULE_<struct.derivedFromName>;
}
<if(getters)>

    <getters:{g | <g>}; separator="\n\n">
<endif>
<if(struct.provideCopyFrom)> <! don't need

```

```

copy unless we have subclasses !>
public function copyFrom(ParserRuleContext $context) : void
{
    parent::copyFrom($context);

    <struct.attrs:{a | $this-><a.name> = $context-><a.name>;}; separator="\n">
}
<endif>
<if(dispatchMethods)>

    <dispatchMethods; separator="\n\n">
<endif>
<if(extensionMembers)>

    <extensionMembers; separator="\n\n">
<endif>
}
>>

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context
{
    <PropertiesDecl(struct)>
    public function __construct(<struct.parentRule; format="cap">Context $context)
    {
        parent::__construct($context);

        $this->copyFrom($context);
    }
    <if(getters)>

        <getters:{g | <g>;}; separator="\n\n">
    <endif>
    <if(dispatchMethods)>

        <dispatchMethods; separator="\n\n">
    <endif>
}
>>

ListenerDispatchMethod(method) ::= <<
public function <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener $listener) : void
{
    if ($listener instanceof <parser.grammarName>Listener)
    {
        $listener-><if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">($this);
    }
}
}

```

>>

```
VisitorDispatchMethod(method) ::= <<
public function accept(ParseTreeVisitor $visitor)
{
    if ($visitor instanceof <parser.grammarName>Visitor) {
        return $visitor->visit<struct.derivedFromName; format="cap">($this);
    }

    return $visitor->visitChildren($this);
}
>>
```

```
/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>$localContext-><endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "$localContext"
```

```
// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "\$this->precpred(\$this->ctx, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "\$<name> = \$<src>-><name>;"
```

```
recRuleSetStopToken() ::= "$this->ctx->stop = $this->input->LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
$localContext
= new Context\\<ctxName>Context($parentContext, $parentState);
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
$localContext = new Context\\<currentAltLabel; format="cap">Context(new Context\\<ruleName;
format="cap">Context($parentContext, $parentState));
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
```

```

<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
$localContext = new Context\\<ctxName>Context($localContext);
$this->ctx = $localContext;
$previousContext = $localContext;
>>

recRuleSetPrevCtx() ::= <<
if ($this->getParseListeners() !== null) {
    $this->triggerExitRuleEvent();
}

$previousContext
    = $localContext;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
namespace<if(lexerFile.genPackage)> <lexerFile.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
    use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
    use Antlr\\Antlr4\\Runtime\\Atn\\LexerATNSimulator;
    use Antlr\\Antlr4\\Runtime\\Lexer;
    use Antlr\\Antlr4\\Runtime\\CharStream;
    use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
    use Antlr\\Antlr4\\Runtime\\RuleContext;
    use Antlr\\Antlr4\\Runtime\\Atn\\ATN;
    use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
    use Antlr\\Antlr4\\Runtime\\Vocabulary;
    use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
    use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
<if(namedActions.definitions)><namedActions.definitions><endif>

    final class <lexer.name> extends <superClass; null="Lexer">
    {
        <if(lexer.tokens)>
        public

```

```

const <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>

<if(lexer.channels)>
public const <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
<endif>

<if(rest(lexer.modes))>
public const <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array<string>
 */
public const CHANNEL_NAMES = [
    'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c | '<c>'}; separator=", ",
wrap, anchor><endif>
];

/**
 * @var array<string>
 */
public const MODE_NAMES = [
    <lexer.modes:{m | '<m>'}; separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
public const RULE_NAMES = [
    <lexer.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

    <namedActions.members>
<endif>

public
function __construct(CharStream $input)
{
    parent::__construct($input);

```



```

self::initialize();

$this->interp = new LexerATNSimulator($this, self::$satn, self::$decisionToDFA, self::$sharedContextCache);
}

private static function initialize() : void
{
    if (self::$satn !== null) {
        return;
    }

    RuntimeMetaData::checkVersion('<lexerFile.ANTLRVersion>', RuntimeMetaData::VERSION);

    $satn = (new ATNDeserializer())->deserialize(self::SERIALIZED_ATN);

    $decisionToDFA = [];
    for ($i = 0, $count = $satn->getNumberOfDecisions(); $i < $count; $i++) {
        $decisionToDFA[] = new DFA($satn->getDecisionState($i), $i);
    }

    self::$satn = $satn;
    self::$decisionToDFA = $decisionToDFA;
    self::$sharedContextCache = new PredictionContextCache();
}

public static function vocabulary() : Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES,
self::SYMBOLIC_NAMES);
}

public function getGrammarFileName() : string
{
    return '<lexer.grammarFileName>';
}

public function getRuleNames() : array
{
    return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
    return self::SERIALIZED_ATN;
}

```

```

/**
 * @return array<string>
 */
public function getChannelNames() : array
{
    return self::CHANNEL_NAMES;
}

/**
 * @return array<string>
 */
public function getModeNames() : array
{
    return self::MODE_NAMES;
}

public function getATN() : ATN
{
    return self::$atn;
}

public function getVocabulary() : Vocabulary
{
    return self::vocabulary();
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
}
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
/**
 * @var string
 */
private const SERIALIZED_ATN =
    <model.segments:{segment| "<segment; wrap={" .<\n>"}>"}; separator=" .\n">;
<else>
/**
 * @var string
 */
private const SERIALIZED_ATN
    =
    "<model.serialized; wrap={" .<\n>  "}>";
<endif>
>>

```

```

/**
 * Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is `null`.
 */
initValue(typeName) ::= <<
<phpTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".php"

```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.stg
 No license file was found, but licenses were detected in source scan.

```

/*
[The "BSD license"]
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THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ATNBuilder.java
 No license file was found, but licenses were detected in source scan.

```

/*
* [The "BSD license"]
* Copyright (c) 2012-2016 Terence Parr
* Copyright (c) 2012-2016 Sam Harwell

```

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- *
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- * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
- * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- */

/** Find left-recursive rules */

tree grammar LeftRecursiveRuleWalker;

```
options {
    tokenVocab=ANTLRParser;
    ASTLabelType=GrammarAST;
}
```

```
@header {
    package org.antlr.v4.parse;
```

```
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}
```

```
@members {
    private String ruleName;
    private int currentOuterAltNumber; // which outer alt of rule?
    public
```

```

int numAlts; // how many alts for this rule total?

public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}

@rulecatch { }

// TODO: can get parser errors for not matching pattern; make them go away
public
rec_rule returns [boolean isLeftRec]
@init
{
    currentOuterAltNumber = 1;
}
: ^( r=RULE id=RULE_REF {ruleName=$id.getText();}
    ruleModifier?
// (ARG_ACTION)? shouldn't allow args, right?
    (^ (RETURNS a=ARG_ACTION {setReturnValues($a);})))?
// ( ^ (THROWS .+) )? don't allow
    ( ^ (LOCALS ARG_ACTION) )? // TODO: copy these to gen'd code
    ( ^ (OPTIONS .*)
    | ^ (AT ID ACTION) // TODO: copy
    )*
    ruleBlock { $isLeftRec = $ruleBlock.isLeftRec; }
    exceptionGroup
)
;

exceptionGroup
: exceptionHandler* finallyClause?
;

exceptionHandler
: ^ (CATCH ARG_ACTION ACTION)
;

finallyClause
: ^ (FINALLY ACTION)
;

ruleModifier
: PUBLIC
| PRIVATE

```

```

| PROTECTED
;

ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
: ^( BLOCK
(
o=outerAlternative
{if ($o.isLeftRec) $isLeftRec = true;}
{currentOuterAltNumber++;}
)+
)
;

/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
: (binary)=>      binary
                    {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| (prefix)=>      prefix
                    {prefixAlt((AltAST)$start, currentOuterAltNumber);}
| (suffix)=>      suffix
                    {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| nonLeftRecur    {otherAlt((AltAST)$start, currentOuterAltNumber);}
;

binary
: ^(
ALT elementOptions? recurse element* recurse epsilonElement* )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

prefix
: ^( ALT elementOptions?
element+
recurse epsilonElement*
)
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

suffix
: ^( ALT elementOptions? recurse element+ )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

nonLeftRecur
: ^(ALT elementOptions? element+)
;

```

recurse

```
: ^(ASSIGN ID recurseNoLabel)
| ^(PLUS_ASSIGN ID recurseNoLabel)
| recurseNoLabel
;
```

recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;

token returns [GrammarAST t=null]

```
: ^(ASSIGN ID s=token {$t = $s.t;})
| ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
| b=STRING_LITERAL    {$t = $b;}
| ^(b=STRING_LITERAL elementOptions) {$t = $b;}
| ^(c=TOKEN_REF elementOptions) {$t = $c;}
| c=TOKEN_REF          {$t = $c;}
;
```

elementOptions

```
: ^(ELEMENT_OPTIONS elementOption*)
```

;

elementOption

```
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;
```

element

```
: atom
| ^(NOT element)
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;
```

epsilonElement

```
: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)
| ^(SEMPRED elementOptions)
```

;

setElement

```
: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;
```

ebnf: block

```
| ^( OPTIONAL block )
| ^( CLOSURE block )
| ^( POSITIVE_CLOSURE block )
;
```

block

```
: ^(BLOCK ACTION? alternative+)
;
```

alternative

```
: ^(ALT elementOptions? element+)
;
```

atom

```
: ^(RULE_REF ARG_ACTION? elementOptions?)
| ^(STRING_LITERAL elementOptions)
| STRING_LITERAL
| ^(TOKEN_REF elementOptions)
| TOKEN_REF
| ^(WILDCARD elementOptions)
| WILDCARD
| ^(DOT ID element)
;
```

Found in path(s):

*

/antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g
No license file was found, but licenses were detected in source scan.

/*

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*/

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ANTLRLexer.java

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```

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

javascriptTypeInitMap ::= [
  "bool":"false",
  "int":"0",
  "float":"0.0",
  "str":"",
  default:"{}" // anything
  other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>
  import antlr4 from 'antlr4';
  <if(file.genListener)>
  import <file.grammarName>Listener from './<file.grammarName>Listener.js';
  <endif>
  <if(file.genVisitor)>
  import <file.grammarName>Visitor from './<file.grammarName>Visitor.js';
  <endif>

  <namedActions.header>
  <parser>
  >>

```

```

ListenerFile(file, header, namedActions) ::= <<
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>
  import antlr4 from 'antlr4';

```

```

// This class defines a complete listener for a parse tree produced by <file.parserName>.
export default class <file.grammarName>Listener extends antlr4.tree.ParseTreeListener {

```

```

  <file.listenerNames>{lname |

```

```

// Enter a parse tree produced by <file.parserName>#<lname>.
enter<lname; format="cap">(ctx) {
\}

// Exit a parse tree produced by <file.parserName>#<lname>.
exit<lname;
format="cap">(ctx) {
\}

}; separator="\n">

}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

export default class <file.grammarName>Visitor extends antlr4.tree.ParseTreeVisitor {

<file.visitorNames:{lname |
// Visit a parse tree produced by <file.parserName>#<lname>.
visit<lname; format="cap">(ctx) {
    return this.visitChildren(ctx);
\}

}; separator="\n">

}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

```

```

const decisionsToDFA = atn.decisionToState.map( (ds,
index) => new antlr4.dfa.DFA(ds, index) );

const sharedContextCache = new antlr4.PredictionContextCache();

export default class <parser.name> extends <superClass; null="antlr4.Parser"> {

    static grammarFileName = "<parser.grammarFileName; format="java-escape">";
    static literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
    static symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
    static ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

    constructor(input) {
        super(input);
        this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
        this.ruleNames = <parser.name>.ruleNames;
        this.literalNames = <parser.name>.literalNames;
        this.symbolicNames = <parser.name>.symbolicNames;
        <namedActions.members>
    }

    get atn() {
        return atn;
    }

    <if(sempredFuncs)>

    sempred(localctx, ruleIndex, predIndex) {
        switch(ruleIndex) {
            <parser.sempredFuncs.values:{f | case <f.ruleIndex>:
            return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
            default:
                throw "No predicate with index:" + ruleIndex;
        }
    }

    <sempredFuncs.values; separator="\n">
    <endif>

    <funcs; separator="\n">

}

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

```

```

<if(parser.rules)>
<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>;}; separator="\n", wrap, anchor>
<endif>

<funcs:{f | <ruleContexts(f)>; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.funcs:{f | <parser.name>.<f.ctxType> = <f.ctxType>; }; separator="\n">

>>

ruleContexts(currentRule) ::= <<
<currentRule.ruleCtx>

<currentRule.altLabelCtxs:{l | <currentRule.altLabelCtxs(l)>; separator="\n">
>>

dumpActions(recog,
  argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action = function(localctx, ruleIndex, actionIndex) {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
  this.<f.name>_action(localctx, actionIndex);
  break;}; separator="\n">
  default:
    throw "No registered action for:" + ruleIndex;
  }
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f| case <f.ruleIndex>:
return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
    throw "No registered predicate for:" + ruleIndex;
  }
};

<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

<lexer.name>.prototype.<r.name>_action = function(localctx
, actionIndex) {
  switch (actionIndex) {
    <actions:{index|
case <index>:
  <actions.(index)>
  break;}; separator="\n">
  default:
    throw "No registered action for:" + actionIndex;
  }
};
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name>.prototype.<r.name>_sempred =
function<else><r.name>_sempred<endif>(localctx, predIndex) {
  switch(predIndex) {
    <actions:{index| case <index>:
  return <actions.(index)>;}; separator="\n">
  default:
    throw "No predicate with index:" + predIndex;
  }
};
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<currentRule.name>(<currentRule.args:{a | <a.name>}; separator=", ">) {
  let localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.name>}>);
  this.enterRule(localctx,
<currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">

```

```

    <namedActions.after>
  }<if(exceptions)>
  <exceptions; separator="\n">
  <else> catch (re) {
    if(re instanceof antlr4.error.RecognitionException) {
      localctx.exception = re;
      this._errHandler.reportError(this, re);
      this._errHandler.recover(this, re);
    } else {
      throw re;
    }
  }<endif> finally {
    <finallyAction>
    this.exitRule();
  }
  return localctx;
}

```

```
>>
```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=

```

```
<<
```

```

<currentRule.name>(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {
  if(_p===undefined) {
    _p = 0;
  }
  const _parentctx = this._ctx;
  const _parentState = this.state;
  let localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a
| , <a.name>}>);
  let _prevctx = localctx;
  const _startState = <currentRule.startState>;
  this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  } catch( error) {
    if(error instanceof antlr4.error.RecognitionException) {
      localctx.exception = error;
      this._errHandler.reportError(this, error);
      this._errHandler.recover(this, error);
    } else {
      throw error;
    }
  }
}

```

```

    }
  } finally {
    <finallyAction>
    this.unrollRecursionContexts(_parentctx)
  }
  return localctx;
}

```

```
>>
```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx,
  <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}

```


>>

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble;
separator="\n">
if(<expr>) {
    <alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
while(<loopExpr>) {
    <alts; separator="\n">
    this.state = <choice.loopBackStateNumber>;
    this._errHandler.sync(this);
    <iteration>
}
>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
    <alts; separator="\n">
    this.state = <choice.stateNumber>; <! loopback/exit decision !>
    this._errHandler.sync(this);
    <iteration>
} while(<loopExpr>);
>>
```

// LL(*) stuff

```
AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble;
separator="\n">
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
<alts:{alt |
```

```

case <i>:
    <alt>
    break;
}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{alt |
if(la_===<i><if(!choice.ast.greedy)>+1<endif>) {
    <alt>
}; separator="\n" else ">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
    if(_alt===1<if(!choice.ast.greedy)>+1<endif>) {
        <iteration>
        <alts> <! should only be one !>
    }
    this.state = <choice.loopBackStateNumber>;
    this._errHandler.sync(this);
    _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}
>>

```

```

PlusBlock(choice,
alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
    switch (_alt) {
        <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
        <alt>
        break;}; separator="\n">
    default:
        <error>
    }
}

```

```

this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
this._errHandler.sync(this);
_alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );
>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount)
::= <<
((<shiftAmount>) & ~0x1f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<\< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>)); separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>===<parser.name>.<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <parser.name>.<t>:}; separator="\n">
>>

```

```

InvokeRule(r,
  argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>this.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>);
>>

```

```

MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this.match(<parser.name>.<m.name>);
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>this._input.LT(1);<endif>
<capture>
<if(invert)>if(<m.varName>\<=0 || <expr>)<else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this._errHandler.recoverInline(this);
}
else {
  this._errHandler.reportMatch(this);
  this.consume();
}
>>

```

```

Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{l
| <labelref(l)> = }><endif>this.matchWildcard();
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
}

```

```
}
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>
```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "this.skip()"
LexerMoreCommand() ::= "this.more()"
LexerPopModeCommand() ::= "this.popMode()"
LexerTypeCommand(arg, grammar) ::= "this._type = <arg>"
LexerChannelCommand(arg, grammar) ::= "this._channel = <arg>"
LexerModeCommand(arg, grammar) ::= "this._mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>)"
```

```
ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a)
  ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"
```

```
TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"
```

```
TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>===null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t)
  ::= "(<ctx(t)>.<t.label> === null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"
```

```
RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>===null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(<ctx(r)>.<r.label>===null ? null : this._input.getText(new
antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
```

```

RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name>
= <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"

TokenDecl(t) ::= "this.<t.name> = null; // <TokenLabelType()>"
TokenTypeDecl(t) ::= "var <t.name> = 0; // <TokenLabelType()> type"
TokenListDecl(t) ::= "this.<t.name> = []; // of <TokenLabelType()>s"
RuleContextDecl(r) ::= "this.<r.name> = null; // <r.ctxName>"
RuleContextListDecl(rdecl) ::= "this.<rdecl.name> = []; // of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
<t.name>() {
    return this.getToken(<parser.name>.<t.name>, 0);
};
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
<t.name>_list() {
    return this.getTokens(<parser.name>.<t.name>);
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<t.name> = function(i) {
    if(i===undefined) {
        i = null;
    }
    if(i===null) {
        return this.getTokens(<parser.name>.<t.name>);
    } else {
        return this.getToken(<parser.name>.<t.name>, i);
    }
};
>>

```

```

ContextRuleGetterDecl(r)
    ::= <<
    <r.name>() {
        return this.getTypedRuleContext(<r.ctxName>,0);
    };
    >>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
    <r.name>_list() {
        return this.getTypedRuleContexts(<parser.name>.<r.ctxName>);
    }
    >>

ContextRuleListIndexedGetterDecl(r) ::= <<
    <r.name> = function(i) {
        if(i===undefined) {
            i = null;
        }
        if(i===null) {
            return this.getTypedRuleContexts(<r.ctxName>);
        } else {
            return this.getTypedRuleContext(<r.ctxName>,i);
        }
    };
    >>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
    ::= <<
    class <struct.name> extends <if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif> {

        constructor(parser, parent, invokingState<struct.ctorAttrs:{a | , <a.name>}> ) {
            if(parent===undefined) {

```

```

        parent = null;
    }
    if(invokingState===undefined || invokingState===null) {
        invokingState = -1;
    }
    super(parent, invokingState);
    this.parser = parser;
    this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;
    <attrs:{a | <a>}; separator="\n">
    <struct.ctorAttrs:{a | this.<a.name> = <a.name> || null;}; separator="\n">
    }

<getters:{g | <g>}; separator="\n\n">

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
copyFrom(ctx) {
    super.copyFrom(ctx);
    <struct.attrs:{a | this.<a.name> = ctx.<a.name>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers;
separator="\n">

}

>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context {

    constructor(parser, ctx) {
        super(parser);
        <attrs:{a | <a>};}; separator="\n">
        super.copyFrom(ctx);
    }

    <getters:{g | <g>}; separator="\n\n">

    <dispatchMethods; separator="\n">

}

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.name>;

>>

```



```

ListenerDispatchMethod(method) ::= <<
<if(method.isEnter)>enter<else>exit<endif>Rule(listener) {
  if(listener instanceof <parser.grammarName>Listener ) {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
  }
}

```

```
>>
```

```

VisitorDispatchMethod(method) ::= <<
accept(visitor) {
  if ( visitor instanceof <parser.grammarName>Visitor ) {
    return visitor.visit<struct.derivedFromName; format="cap">(this);
  } else {
    return visitor.visitChildren(this);
  }
}

```

```
>>
```

```
AttributeDecl(d) ::= "this.<d.name> = <if(d.initValue)><d.initValue><else>null<endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "localctx"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "this.precpred(this._ctx, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
```

```
recRuleSetStopToken() ::= "this._ctx.stop = this._input.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label) ::= <<
```

```
localctx = new <ctxName>Context(this, _parentctx, _parentState);
```

```
<if(label)>localctx.<label> = _prevctx;<endif>
```

```
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
localctx = new <currentAltLabel; format="cap">Context(this,
```

```
new <ruleName; format="cap">Context(this, _parentctx, _parentState));
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
localctx.<label>.push(_prevctx);
```

```
<else>
```

```
localctx.<label> = _prevctx;
```

```
<endif>
```

```

<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!==null) {
    this.triggerExitRuleEvent();
}
_prevctx = localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
import antlr4 from 'antlr4';

<namedActions.header>

<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds,
index) );

export default class <lexer.name> extends <if(superClass)><superClass><else>antlr4.Lexer<endif> {

    static grammarFileName = "<lexer.grammarFileName>";
    static channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>,
<lexer.channels:{c| "<c>"}; separator=", ", wrap, anchor><endif> ];
    static modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ];
    static literalNames = [ <lexer.literalNames:{t| <t>}; null="null", separator=", ", wrap, anchor> ];
    static symbolicNames = [ <lexer.symbolicNames:{t| <t>}; null="null", separator=", ", wrap, anchor> ];

```

```

static ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

constructor(input) {
  super(input)
  this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.PredictionContextCache());
  <namedActions.members>
}

get atn() {
  return atn;
}
}

<lexer.name>.EOF = antlr4.Token.EOF;
<if(lexer.tokens)>
<lexer.tokens:{k
| <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<if(lexer.channels)>
<lexer.channels:{c| <lexer.name>.<c> = <lexer.channels.(c)>;}; separator="\n">

<endif>
<if(rest(lexer.modes))>
<rest(lexer.modes):{m| <lexer.name>.<m> = <i>;}; separator="\n">

<endif>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

const serializedATN = ["<model.serialized; wrap={",<\n>  "}>"].join("");

>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<javascriptTypeInitMap.(typeName)>
>>

```

```
codeFileExtension() ::= ".js"
```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg

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

```
/*
```

```
* [The "BSD license"]
```

```
* Copyright (c) 2012-2016 Terence Parr
```

```
* Copyright (c) 2012-2016 Sam Harwell
```

```
* Copyright (c) 2015 Janyou
```

```
* All rights reserved.
```

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*
```

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* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
*/
```

```
SwiftTypeInitMap ::= [
```

```
"Int": "0",
```

```
"Int64": "0",
```

```
"Float": "0.0",
```

```
"Double": "0.0",
```

```
"Bool": "false",
```

```
default: "nil" // anything other than a primitive type is an object
```

```
]
```

```
SwiftTypeMap ::= [
```

```
"int": "Int",
```

```

"float": "Float",
"long": "Int64",
"double": "Double",
"bool": "Bool",
"boolean": "Bool",
default : key
]
// args must be <object-model-object>,
<fields-resulting-in-STs>

```

```

accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\"open\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\"public\">"

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * {@link <file.parserName>}.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames:{lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the {@code <lname>}
 * labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
 * Enter a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
  - ctx: the parse tree
 */

```

```

func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)
/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the {@code <lname>}
* labeled alternative in {@link <file.parserName>#<file.listenerLabelRuleNames.(lname)>}.
<else>
* Exit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname; format="cap">Context)); separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

```

```

import Antlr4

```

```

/**
* This class provides an empty implementation of {@link <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle
a subset
* of the available methods.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {
  <accessLevelNotOpen(file)> init() { \}
  <file.listenerNames:{lname |

/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
<accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}
/**
* {@inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
<accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;

```

```

format="cap">Context) { \} }; separator="\n">

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
  <file.visitorNames:{lname |
/**

```

```

<if(file.visitorLabelRuleNames.(lname))>
* Visit a parse tree produced by the {@code <lname>}
* labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}.
<else>
* Visit a parse tree produced by {@link <file.parserName>#<lname>}.
<endif>
- Parameters:
- ctx: the parse tree
- returns: the visitor result
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T {
fatalError(#function + " must be overridden")
\}
\}; separator="\n">
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
* This class provides an empty implementation of {@link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use {@link Void} for
* operations with no return type.
*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor\<T>: AbstractParseTreeVisitor\<T> {
<file.visitorNames:{lname
|
/**
* {@inherited}
*
* \<p>The default implementation returns the result of calling
* {@link #visitChildren\} on {@code ctx\}.\</p>
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}; separator="\n">
}
>>

```



```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<!--@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

    internal static var _decisionToDFA: [DFA] = {
        var decisionToDFA = [DFA]()
        let length = <parser.name>._ATN.getNumberOfDecisions()
        for i in 0..\<length {
            <!-- decisionToDFA[i] = DFA(<parser.name>._ATN.getDecisionState(i)!,
i);!>
            decisionToDFA.append(DFA(<parser.name>._ATN.getDecisionState(i)!, i))
        }
        return decisionToDFA
    }()

    internal static let _sharedContextCache = PredictionContextCache()

    <if(parser.tokens)>
    <accessLevelNotOpen(parser)>
    enum Tokens: Int {
        case EOF = -1, <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>
    }
    <endif>

    <accessLevelNotOpen(parser)>
    <if(parser.rules)>
    static let <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>
    <endif>

    <accessLevelNotOpen(parser)>
    static let ruleNames: [String] = [
        <parser.ruleNames:{r | "<r>"; separator=", ", wrap, anchor>
    ]

    <vocabulary(parser.literalNames, parser.symbolicNames,
        accessLevelNotOpen(parser))>

    override <accessLevelOpenOK(parser)>
    func getGrammarFileName() -> String { return "<parser.grammarFileName; format="java-escape">" }

```

```

override <accessLevelOpenOK(parser)>
func
getRuleNames() -> [String] { return <parser.name>.ruleNames }

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> String { return <parser.name>._serializedATN }

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
switch (ruleIndex) {
<parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
default: return true
}
<!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>

<accessLevelNotOpen(parser)>
static let _serializedATN = <parser.name>ATN().jsonString

<accessLevelNotOpen(parser)>
static let _ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

vocabulary(literalNames, symbolicNames,
accessLevel) ::= <<
private static let _LITERAL_NAMES: [String?] = [
<literalNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
<symbolicNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)

```

>>

```
dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
override <accessLevelOpenOK(parser)>
func action(_ _localctx: RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
  <f.name>_action((_localctx as <f.ctxType>?), actionIndex)
  }; separator="\n">
  default: break
  }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int) throws -> Bool {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
  return
  try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex); separator="\n">
  default: return true
  }
  <!return true;!>
  }
  <sempredFuncs.values; separator="\n">
<endif>
>>
```

```
parser_ctor(p) ::= <<
```

```
override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
  return <p.name>.VOCABULARY
}
```

```
override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {
  RuntimeMetaData.checkVersion("4.9.1", RuntimeMetaData.VERSION)
  try super.init(input)
  _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
  <p.name>._sharedContextCache)
}
```

>>

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ localctx: <r.ctxType>?, _ actionIndex: Int) {
  switch (actionIndex) {
    <actions:{index|
case <index>:
  <actions.(index)>
  }; separator="\n">
  default: break
  }
}
>>

/* This generates
a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private func <r.name>_sempred(_ localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
  switch (predIndex) {
    <actions:{index|
  case <index>:return <actions.(index)>; separator="\n">
  default: return true
  }
  <!return true;!>
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelOpenOK(parser)> func
<endif><currentRule.name>(<if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
  var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
  <a.name>}>>)
  try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
  <namedActions.init>
  <locals;
  separator="\n">
  defer {
    <finallyAction>
    try! exitRule()
  }
}

```

```

do {
<if(currentRule.hasLookaheadBlock)>
  var _alt:Int
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
}
<endif>

return _localctx
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
  namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.name>(<if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
  return try <currentRule.name>(0<currentRule.args:{a | , <a.name>}>)
}
@discardableResult
private
func <currentRule.name>(_ _p<args:{a | , <a>}>: Int) throws -> <currentRule.ctxType> {
  let _parentctx: ParserRuleContext? = _ctx
  let _parentState: Int = getState()
  var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
  <a.name>}>)
  var _prevctx: <currentRule.ctxType> = _localctx
  let _startState: Int = <currentRule.startState>
  try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
  <namedActions.init>
  <locals; separator="\n">
  defer {
    <finallyAction>
    try! unrollRecursionContexts(_parentctx)
  }
}

```

```

    }
do {
<if(currentRule.hasLookaheadBlock)>
    var _alt: Int
<endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
}
catch ANTLRException.recognition(let re) {
    _localctx.exception = re
    _errHandler.reportError(self, re)
    try _errHandler.recover(self, re)
}

return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble,
ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<!/{!>
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
<!/{}!>
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>
<alt>
break}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
  setState(<choice.stateNumber>)
  try _errHandler.sync(self)
  switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!)
  {
  <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break}; separator="\n">
  default:
  break
  }
  >>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
  setState(<choice.stateNumber>)
  try _errHandler.sync(self)
  <preamble; separator="\n">
  if (<expr>) {
    <alts; separator="\n">
  }
  <!else if ( !(<followExpr>) ) <error>!>
  >>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
  setState(<choice.stateNumber>)
  try _errHandler.sync(self)
  <preamble; separator="\n">
  while (<loopExpr>) {
    <alts; separator="\n">
    setState(<choice.loopBackStateNumber>)
    try _errHandler.sync(self)
    <iteration>
  }
  >>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
  setState(<choice.blockStartStateNumber>) <! alt block decision !>
  try _errHandler.sync(self)
  <preamble; separator="\n">
  repeat {
    <alts; separator="\n">
    setState(<choice.stateNumber>); <! loopback/exit decision !>
    try _errHandler.sync(self)
    <iteration>
  } while (<loopExpr>)
  >>

```

```
//
LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
<alts:{alt |
case <i>:
<alt>
break}; separator="\n">
default: break
}
>>

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break}; separator="\n">
default: break
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should
only be one !>
}
setState(<choice.loopBackStateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
}
>>

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
try _errHandler.sync(self)
```



```

_alt = 1<if(!choice.ast.greedy)>+1<endif>;
repeat {
  switch (_alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break}; separator="\n">
  default:
    <error>
  }
  setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
  try _errHandler.sync(self)
  _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER)
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"

TestSetInline(s) ::= <<
<!<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">!>
//closure
{ () -> Bool in
  <if(rest(s.bitsets))>var<else>let<endif> testSet: Bool = <first(s.bitsets):{bits |
<if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}>
  <rest(s.bitsets):{bits | testSet = testSet || <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator="\n">
  return testSet
}()
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <<
<!(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1 \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1 \<< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)!>
{ ()
-> Bool in
  <! let test: Bool = (<testShiftInRange({<offsetShift(s.varName, bits.shift)>})>)>!>
  <!var temp: Int64 = Int64(<offsetShift(s.varName, bits.shift)>)>!>
  <!temp = (temp \< 0) ? (64 + (temp % 64)) : (temp % 64)!>
  <!let test1: Int64 = (Int64(1) \<< temp)!>

```

```

<!var test2: Int64 = (<first(bits.ttypes):{ttype | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>)>!)>
<!--rest(bits.ttypes):{ttype | test2 = test2 | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)};
separator="\n">!-->
let testArray: [Int] = [<s.varName>, <bits.ttypes:{ttype |<parserName(ttype)>}; separator=", ">]
<!var test2: Int64 = Utils.testBitLeftShiftArray(testArray)!>
return Utils.testBitLeftShiftArray(testArray, <bits.shift>)
}()
>>

isZero ::= [
"0": true,
default: false
]
parserName(ttype) ::= <%
<parser.name>.Tokens.<ttype>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

//
produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName> == <parser.name>.Tokens.<ttype>.rawValue}; separator=" || ">
%>

cases(ttypes) ::= <<
<trunc(ttypes): {t | case .<t>:fallthrough} ; separator="\n">
<last(ttypes): {t | case .<t>:} ; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>)
<if(r.labels)>
try {
let assignmentValue = try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>, <endif><endif><argExprsChunks>)
<r.labels:{l | <labelref(l)> = assignmentValue} ; separator="\n">
}()
<else>try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>, <endif><endif><argExprsChunks>)<endif>
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>)
<if(m.labels)>
try {
let assignmentValue = try match(<parser.name>.Tokens.<m.name>.rawValue)

```

```

    <m.labels:{l | <labelref(l)> = assignmentValue} ; separator="\n">
    }()
<else>try match(<parser.name>.Tokens.<m.name>.rawValue)<endif>
>>

MatchSet(m,
  expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
  setState(<m.stateNumber>)
  <if(m.labels)><m.labels:{l | <labelref(l)> = }>try _input.LT(1)<endif>
  <capture>
  if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as
    Token<endif>
  }
  else {
    _errHandler.reportMatch(self)
    try consume()
  }
>>

Wildcard(w) ::= <<
  setState(<w.stateNumber>)
  <if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>try matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
  setState(<p.stateNumber>)
  if (!(<chunks>)) {
    throw ANTLRException.recognition(e.FailedPredicateException(self, <p.predicate><if(failChunks)>,
    <failChunks><elseif(p.msg)>, <p.msg><endif>))
  }
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
  catch (<catchArg>) {
    <catchAction>
  }
>>

```

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"

LexerMoreCommand() ::= "more()"

LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg) ::= "_type = <arg>"

LexerChannelCommand(arg) ::= "_channel = <arg>"

LexerModeCommand(arg) ::= "_mode = <arg>"

LexerPushModeCommand(arg) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"

ActionTemplate(t) ::= "<t.st>"

ArgRef(a) ::= "_localctx.<a.name>"

LocalRef(a) ::= "_localctx.<a.name>"

RetValRef(a) ::= "_localctx.<a.name>"

QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"

/** How to translate \$tokenLabel */

TokenRef(t) ::= "<ctx(t)>.<t.name>"

LabelRef(t) ::= "<ctx(t)>.<t.name>"

ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"

SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"

InputSymbolType()

::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\")"

TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0)"

TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0)"

TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0)"

TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0)"

TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0)"

TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()!) : 0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\")"

RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\")"

RulePropertyRef_text(r)

::= "(<ctx(r)>.<r.label> != nil ? try _input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\")"

RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"

RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "_localctx.start"

ThisRulePropertyRef_stop(r) ::= "_localctx.stop"

ThisRulePropertyRef_text(r) ::= "(try _input.getText(_localctx.start, try _input.LT(-1)))"

ThisRulePropertyRef_ctx(r) ::= "_localctx"

ThisRulePropertyRef_parser(r) ::= "self"

```

NonLocalAttrRef(s) ::= "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.name>: <SwiftTypeMap.(TokenLabelType())>!"
TokenTypeDecl(t) ::= "var <t.name>: Int = 0"
TokenListDecl(t) ::= "<t.name>: [Token] = [Token]()"
RuleContextDecl(r)
::= "<r.name>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.name>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> TerminalNode? {
    return getToken(<parser.name>.Tokens.<t.name>.rawValue, 0)
}
>>

ContextTokenListGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> [TerminalNode] {
    return getTokens(<parser.name>.Tokens.<t.name>.rawValue)
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>(_ i: Int) -> TerminalNode? {
    return getToken(<parser.name>.Tokens.<t.name>.rawValue, i)
}
>>

ContextRuleGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, 0)
}
>>

ContextRuleListGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> [<r.ctxName>] {
    return getRuleContexts(<r.ctxName>.self)
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func

```

```

<r.name>(_ i: Int) -> <r.ctxName>? {
  return getRuleContext(<r.ctxName>.self, i)
}
>>

```

```

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */

```

```

RuleContextNameSuffix() ::= "Context"

```

```

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"

```

```

ImplicitSetLabel(id) ::= "_tset<id>"

```

```

ListLabelName(label) ::= "<label>"

```

```

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"

```

```

CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

```

```

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,
  superClass={ParserRuleContext}) ::= <<

```

```

<accessLevelNotOpen(parser)> class <struct.name>:

```

```

<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>
separator=", "><endif> {

```

```

  <attrs:{a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">

```

```

  <getters:{g | <g>}; separator="\n">

```

```

  <!--

```

```

  <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext,_ invokingState: Int) {
super.init(parent, invokingState) }<endif> !>

```

```

  <if(ctorAttrs)>

```

```

  <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState: Int<ctorAttrs:{a | ,
_ <a>}> ) {

```

```

    self.init(parent, invokingState)

```

```

    <struct.ctorAttrs:{a | self.<a.name> = <a.name>;}; separator="\n">

```

```

  }

```

```

  <endif>

```

```

  override <accessLevelOpenOK(parser)>

```

```

  func getRuleIndex() -> Int {

```

```

    return <parser.name>.RULE_<struct.derivedFromName>

```

```

  }

```

```

<if(struct.provideCopyFrom && struct.attrs)> <!-- don't need copy unless we have subclasses !>

```

```

  <accessLevelOpenOK(parser)>

```

```

  override func copyFrom(_ ctx_: ParserRuleContext) {

```

```

    super.copyFrom(ctx_)

```

```

    let ctx = ctx_ as! <struct.name>

```

```

    <struct.attrs:{a | self.<a.name> = ctx.<a.name>;}; separator="\n">
  }
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)>
class <struct.name>: <currentRule.name; format="cap">Context {
  <attrs:{a | <accessLevelNotOpen(parser)> var <a>; separator="\n">
  <getters:{g | <g>; separator="\n">

```

```

  <accessLevelNotOpen(parser)>
  init(_ ctx: <currentRule.name; format="cap">Context) {
    super.init()
    copyFrom(ctx)
  }
  <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {
  if let listener = listener as? <parser.grammarName>Listener {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
  }
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func accept<T>(_ visitor: ParseTreeVisitor<T>) -> T? {
  if let visitor = visitor as? <parser.grammarName>Visitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else if let visitor = visitor as? <parser.grammarName>BaseVisitor
  {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else {
    return visitor.visitChildren(self)
  }
}
>>

```

```
AttributeDecl(d) ::= "<d.name>: <SwiftTypeMap.(d.type)><if(d.initValue)> = <d.initValue><else>!<endif>"
```

```
/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */
```

```
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
```

```
recRuleSetStopToken() ::= "_ctx!.stop = try _input.LT(-1)"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
```

```
_localctx = <ctxName>Context(_parentctx, _parentState);
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
_localctx.<label>.append(_prevctx)
```

```
<else>
```

```
_localctx.<label>
```

```
= _prevctx
```

```
<endif>
```

```
<endif>
```

```
<if(label)>_localctx.<label> = _prevctx;<endif>
```

```
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
_localctx = <currentAltLabel; format="cap">Context( <ruleName; format="cap">Context(_parentctx,  
_parentState))
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
```

```
<else>
```

```
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
```

```
<endif>
```

```
<endif>
```

```
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
```

```
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
```

```
_localctx = <ctxName>Context(_localctx)
```

```
_ctx = _localctx
```

```
_prevctx = _localctx
```

```
>>
```

```
recRuleSetPrevCtx() ::= <<
```

```
if _parseListeners != nil {
```



```

    try triggerExitRuleEvent()
  }
  _prevctx = _localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<

```

```

<fileHeader(lexerFile.grammarFileName,
lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
<!package <lexerFile.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

```

```

<accessLevelOpenOK(lexer)> class <lexer.name>: <superClass; null="Lexer"> {

```

```

    internal static var _decisionToDFA: [DFA] = {
        var decisionToDFA = [DFA]()
        let length = <lexer.name>._ATN.getNumberOfDecisions()
        for i in 0..

```

```

    internal static let _sharedContextCache = PredictionContextCache()

```

```

<accessLevelNotOpen(lexer)>
<if(lexer.tokens)>
static let <lexer.tokens>:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>
<endif>

```

```

<if(lexer.channels)>
<accessLevelNotOpen(lexer)>
static let <lexer.channels>:{k | <k>=<lexer.channels.(k)>};
separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.modes))>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.modes)>:{m| <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static let channelNames: [String] = [

```

```

"DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
]

<accessLevelNotOpen(lexer)>
static let modeNames: [String] = [
  <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
]

<accessLevelNotOpen(lexer)>
static let ruleNames: [String] = [
  <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,
  accessLevelNotOpen(lexer))>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
  return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
  RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>",
RuntimeMetaData.VERSION)
  super.init(input)
  _interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
}

override <accessLevelOpenOK(lexer)>
func getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> String { return <lexer.name>._serializedATN }

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

```

```

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _serializedATN: String = <lexer.name>ATN().jsonString

<accessLevelNotOpen(lexer)>
static
let _ATN: ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

/** Don't need to define anything. The tool generates a XParserATN.swift file (and same for lexer)
 * which is referenced from static field _serializedATN. This json string is passed to
 * deserializeFromJson(). Note this is not the "serialization as array of ints" that other targets
 * do. It is more or less the output of ATNPrinter which gets read back in.
 */
SerializedATN(model) ::= <<
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".swift"

Found in path(s):
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg
No license file was found, but licenses were detected in source scan.

/*
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```

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- */

```
// File    : A3Lexer.g
// Author  : Jim Idle (jimi@temporal-wave.com)
// Copyright : Free BSD - See @header clause below
// Version  : First implemented as part of ANTLR 3.2 this is the self
//            hosting ANTLR 3 Lexer.
//
// Description
// -----
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// grammars are
// derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grammars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritance;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{}
//        sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
//    and report them specifically and not just issue confusing lexer mismatch errors.
```

```
//

/** Read in an ANTLR grammar and build an AST. Try not to do
 * any actions, just build the tree.
 *
 * The phases are:
 *
 * A3Lexer.g (this file)
 *     A3Parser.g
 *     A3Verify.g (derived from A3Walker.g)
 * assign.types.g
 * define.g
 * buildnfa.g
 * antlr.print.g (optional)
 * codegen.g
 *
 * Terence Parr
 * University of San Francisco
 * 2005
 * Jim Idle (this v3 grammar)
 * Temporal Wave LLC
 * 2009
 */
lexer grammar ANTLRLexer;

// =====
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first
// be parsed by the original v2 parser, before it replaces it. That parser
// does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =====

// -----
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

    // Target language is Java, which is the default but being specific
    // here as this grammar is also meant as a good example grammar for
    // for users.
    //
    language    = Java;

```

```
// The super class that this lexer should expect to inherit from, and
// which contains any and all support routines for the lexer. This is
// commented out in this baseline (definitive or normative grammar)
// - see the ANTLR tool implementation for hints on how to use the super
// class
//
//superclass = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }
```

```
// Include the copyright
// in this source and also the generated source
//
@lexer::header {
/*
[The "BSD licence"]
Copyright (c) 2005-2009 Terence Parr
All rights reserved.
```

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```
*/
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}
```

```

@members {
    public static final int COMMENTS_CHANNEL = 2;

    public CommonTokenStream tokens; // track stream we push to; need for context info
    public boolean isLexerRule = false;

    public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }

    /** scan backwards from current point in this.tokens list
     *  looking for the start of the rule or
     *  subrule.
     *  Return token or null if for some reason we can't find the start.
     */
    public Token getRuleOrSubruleStartToken() {
        if ( tokens==null ) return null;
        int i = tokens.index();
        int n = tokens.size();
        if ( i>=n ) i = n-1; // seems index == n as we lex
        while ( i>=0 && i<n) {
            int ttype = tokens.get(i).getType();
            if ( ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF ) {
                return tokens.get(i);
            }
            i--;
        }
        return null;
    }
}

// -----
// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
// Note how we guide the lexical PATH because we want to issue a decriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We also trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init
{

    // Record the start line and offsets as if we need to report an

```

```

// unterminated comment, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = $line;
int offset  = getCharPositionInLine();
}
: // Eat the first character only, then see if we have a comment
  // or something silly.
  //
  '/' // Comment introducer

(
  // Single line comment, possibly with embedded src/line directives
  // in a similar style to the C pre-processor, allowing generated
  // code to refer the programmer back to the original source code
  // in case of error.
  //
  '/'
  (
    (' $ANTLR')=> ' $ANTLR' SRC
    | ~(NLCHARS)*
  )

| // Multi-line comment, which may be a documentation comment
  // if it starts /** (note that we protect against accidentally
  // recognizing a comment /**/ as a documentation comment
  //
  /** (
    { input.LA(2) != '/' }?=> '*' { $type = DOC_COMMENT; }
    | { true }?=> // Required to cover all alts with predicates
  )

  // Should we support embedded multiline comments here?
  //
  (
    // Pick out end of multiline comment and exit the loop
    // if we find it.
    //
    { !(input.LA(1) == '*' && input.LA(2) == '/') }?

    // Anything else other than the non-greedy match of
    // the comment close sequence
    //
    .
  )*
  (
    // Look for the comment terminator, but if it is accidentally

```



```

        // unterminated, then we will hit EOF, which will trigger the
        // epsilon alt and hence we can issue an error
message relative
    // to the start of the unterminated multi-line comment
    //
    /*'

| // Unterminated comment!
//
{
    // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
}
)

| // There was nothing that made sense following the opening '/' and so
// we issue an error regarding the malformed comment
//
{
    // TODO: Insert error message relative to comment start
    //
}
)
{
    // We do not wish to pass the comments in to the parser. If you are
    // writing a formatter then you will want to preserve the comments off
    // channel, but could just skip and save token space if not.
    //
    $channel=COMMENTS_CHANNEL;
}
;

ARG_OR_CHARSET
options {k=1;}
:
{isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
| {!isLexerRule}?=> ARG_ACTION
{
    $type=ARG_ACTION;
    // Set the token text to our gathered string minus outer [ ]
    String t = $text;
    t = t.substring(1,t.length()-1);
    setText(t);
}
;

fragment
LEXER_CHAR_SET

```

```

: '['
  ( '\\' ~('r'|'n')
    | ~('r'|'n'|'\\'|']')
  )*
']'
;

// -----
// Argument specs
//
// Certain argument lists, such as those specifying call parameters
// to a rule invocation, or input parameters to a rule specification
// are contained within square brackets. In the lexer we consume them
// all at once and sort them out later in the grammar analysis.
//
fragment
ARG_ACTION
: '['
  (
    ARG_ACTION

    | ('')=>ACTION_STRING_LITERAL

    | ('\\')=>ACTION_CHAR_LITERAL

    | ~('['|']')
  )*
  ']'
;

// -----
// Actions
//
// Other than making sure to distinguish between { and } embedded
//
// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by {}) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting {} is no additional overhead.
//
ACTION
: NESTED_ACTION
( '?' { $type = SEMPRED; }
( (WSNLCHARS* '=>') => WSNLCHARS* '=>' // v3 gated sempred
{

```

```

Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
t.setLine(state.tokenStartLine);
t.setText(state.text);
t.setCharPositionInLine(state.tokenStartCharPositionInLine);
grammarError(ErrorType.V3_GATED_SEMPRED, t);
}
)?
)?
;

// -----
// Action structure
//
// Many language targets use {} as block delimiters and so we
// must recursively match {} delimited blocks to balance the
// braces. Additionally, we
// must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited by ' or " and so consume these
// in their own alts so as not to inadvertently match {}.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION
@init {

// Record the start line and offsets as if we need to report an
// unterminated block, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = getLine();
int offset  = getCharPositionInLine();
}

: // Action and other blocks start with opening {
//
'{'
(
// And now we can match one of a number of embedded
// elements within the action until we find a
// } that balances the opening {. If we do not find
// the balanced } then we will hit EOF and can issue
// an error message about the brace that we believe to
// be mismatched. This won't be
foolproof but we will
// be able to at least report an error against the
// opening brace that we feel is in error and this will

```

```

// guide the user to the correction as best we can.
//

    // An embedded {} block
    //
    NESTED_ACTION

| // What appears to be a literal
//
    ACTION_CHAR_LITERAL

| // We have assumed that the target language has C/Java
// type comments.
//
    COMMENT

| // What appears to be a literal
//
    ACTION_STRING_LITERAL

| // What appears to be an escape sequence
//
    ACTION_ESC

| // Some other single character that is not
// handled above
//
    ~("\|'"'"|\"|/|'{'|'}')

)*

(
    // Correctly balanced closing brace
    //
    '}'

| // Looks like have an imbalanced {} block, report
// with respect to the opening brace.
//
    {
        // TODO: Report imbalanced {}

        System.out.println("Block starting at line " + startLine + " offset " + (offset+1) + " contains imbalanced {} or is
missing a }");
    }
)
;

```

```

// Keywords
// -----
// keywords used to specify ANTLR v3 grammars. Keywords may not be used as
// labels for rules or in any other context where they would be ambiguous
// with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same {} delimiters.
//
OPTIONS    : 'options' WSNLCHARS* '{' ;
TOKENS_SPEC : 'tokens' WSNLCHARS* '{' ;
CHANNELS    : 'channels' WSNLCHARS* '{' ;

IMPORT      : 'import'          ;
FRAGMENT    : 'fragment'        ;
LEXER       : 'lexer'           ;
PARSER      : 'parser'          ;
GRAMMAR     : 'grammar'         ;
TREE_GRAMMAR : 'tree' WSNLCHARS* 'grammar' ;
PROTECTED   : 'protected'
    ;
PUBLIC      : 'public'          ;
PRIVATE     : 'private'         ;
RETURNS     : 'returns'         ;
LOCALS      : 'locals'          ;
THROWS      : 'throws'          ;
CATCH       : 'catch'           ;
FINALLY     : 'finally'         ;
MODE        : 'mode'            ;

// -----
// Punctuation
//
// Character sequences used as separators, delimiters, operators, etc
//
COLON       : ':'
    {
        // scan backwards, looking for a RULE_REF or TOKEN_REF.
        // which would indicate the start of a rule definition.
        // If we see a LPAREN, then it's the start of the subrule.
        // this.tokens is the token string we are pushing into, so
        // just loop backwards looking for a rule definition. Then
        // we set isLexerRule.
        Token t = getRuleOrSubruleStartToken();
        if ( t!=null ) {
            if ( t.getType()==RULE_REF

```

```

) isLexerRule = false;
    else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
    // else must be subrule; don't alter context
    }
    }
;
COLONCOLON : '::'      ;
COMMA      : ','      ;
SEMI       : ';'      ;
LPAREN     : '('      ;
RPAREN     : ')'      ;
RARROW     : '->'     ;
LT         : '<'      ;
GT         : '>'      ;
ASSIGN     : '='      ;
QUESTION   : '?'      ;
SYNPRED    : '=>'
{
    Token t = new CommonToken(input, state.type, state.channel,
                               state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    grammarError(ErrorType.V3_SYNPRED, t);
    $channel=HIDDEN;
}
;
STAR       : '*'      ;
PLUS       : '+'      ;
PLUS_ASSIGN : '+='    ;
OR         : '|'      ;
DOLLAR     : '$'      ;
DOT        : '.'      ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE      : '..'     ;
AT         : '@'      ;
POUND      : '#'      ;
NOT        : '~'      ;
RBRACE     : '}'      ;

/** Allow unicode rule/token names */
ID : a=NameStartChar NameChar*
{
    if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
    else $type = RULE_REF;
}
;

```

fragment

NameChar : NameStartChar

```
| '0'..'9'  
| ' _'  
| '\u00B7'  
| '\u0300'..\u036F'  
| '\u203F'..\u2040'  
;  
;
```

fragment

NameStartChar

```
: 'A'..'Z' | 'a'..'z'  
| '\u00C0'..\u00D6'  
| '\u00D8'..\u00F6'  
| '\u00F8'..\u02FF'  
| '\u0370'..\u037D'  
| '\u037F'..\u1FFF'  
| '\u200C'..\u200D'  
| '\u2070'..\u218F'  
| '\u2C00'..\u2FEF'  
| '\u3001'..\uD7FF'  
| '\uF900'..\uFDCF'  
| '\uFDF0'..\uFEFE'  
| '\uFF00'..\uFFFD'  
; // ignores | [\u10000-\uEFFFF] ;
```

// -----

// Literals embedded in actions

//

// Note that we have made the assumption that the language used within
// actions uses the fairly standard " and ' delimiters for literals and
// that within these literals, characters are escaped using the \ character.
// There are some languages which do not conform to this in all cases, such
// as by using /string/ and so on. We will have to deal with such cases if
// if they come up in targets.
//

// Within actions, or other structures that are not part of the ANTLR

// syntax, we may encounter literal characters. Within

these, we do

// not want to inadvertently match things like '}' and so we eat them
// specifically. While this rule is called CHAR it allows for the fact that
// some languages may use/allow ' as the string delimiter.
//

fragment

ACTION_CHAR_LITERAL

```
: "\"" ((\\)=>ACTION_ESC | ~\" )* \"  
;  
;
```

```

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal strings. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically.
//
fragment
ACTION_STRING_LITERAL
: '"' ((\\)=>ACTION_ESC | ~'\"')* '"'
;

// Within literal strings and characters that are not part of the ANTLR
// syntax, we must allow for escaped character sequences so that we do not
// inadvertently recognize the end of a string or character when the terminating
// delimiter has been escaped.
//
fragment
ACTION_ESC
: '\\' .
;

// -----
// Integer
//
// Obviously (I hope) match an arbitrary long sequence of digits.
//
INT :
('0'..'9')+
;

// -----
// Source spec
//
// A fragment rule for picking up information about an originating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
{
    // TODO: Add target specific code to change the source file name and current line number
    //
}
;

// -----
// Literal string
//

```



```

// ANTLR makes no distinction between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
: '\" ( ( ESC_SEQ | ~('\\"|\"'|\"r'|\"n') ) ) *
  (
    \"
    | // Unterminated string literal
    {
      Token t = new CommonToken(input, state.type, state.channel,
state.tokenStartCharIndex, getCharIndex()-1);
      t.setLine(state.tokenStartLine);
      t.setText(state.text);
      t.setCharPositionInLine(state.tokenStartCharPositionInLine);
      grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
    }
  )
;

// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;

// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
: '\\
  (
    // The standard escaped character set such as tab, newline, etc...
    'b'|'t'|'n'|'f'|'r'|'\"'|'\\'

    | // A Java style Unicode escape sequence
    UNICODE_ESC

    | // A Swift/Hack style Unicode escape sequence
    UNICODE_EXTENDED_ESC

    | // An illegal escape sequence
    ~( 'b'|'t'|'n'|'f'|'r'|'\"'|'\\'|'u' ) // \x for any invalid x (make sure to match char here)
    {
      Token t = new CommonToken(input,
state.type, state.channel, getCharIndex()-2, getCharIndex()-1);
      t.setText(t.getText());
      t.setLine(input.getLine());
      t.setCharPositionInLine(input.getCharPositionInLine()-2);
    }
  )
;

```

```

        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
    }
)
;

```

fragment

UNICODE_ESC

@init {

// Flag to tell us whether we have a valid number of

// hex digits in the escape sequence

//

int hCount = 0;

}

: 'u' // Leadin for unicode escape sequence

// We now require 4 hex digits. Note though

// that we accept any number of characters

// and issue an error if we do not get 4. We cannot

// use an infinite count such as + because this

// might consume too many, so we lay out the lexical

// options and issue an error at the invalid paths.

//

(

(

HEX_DIGIT { hCount++; }

(

HEX_DIGIT { hCount++; }

(

HEX_DIGIT { hCount++; }

(

// Four valid hex digits, we are good

//

HEX_DIGIT { hCount++; }

| // Three valid digits

)

| // Two valid digits

)

| // One valid digit

)

)

| // No valid hex digits at all

)

```

// Now check the digit count and issue an error if we need to
//
{
    if (hCount < 4) {
        Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
        String lastChar = input.substring(badRange.b, badRange.b);
        if ( lastChar.codePointAt(0)=="\" ) {
            badRange.b--;
        }
        String bad = input.substring(badRange.a, badRange.b);
        Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE,
t, bad);
    }
}
;

fragment
UNICODE_EXTENDED_ESC
: 'u{' // Leadin for unicode extended escape sequence

    HEX_DIGIT+ // One or more hexadecimal digits

    '}' // Leadout for unicode extended escape sequence

// Now check the digit count and issue an error if we need to
{
    int numDigits = getCharIndex()-state.tokenStartCharIndex-6;
    if (numDigits > 6) {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-
1);
        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex,getCharIndex()-1));
    }
}
;

// -----
//
Whitespace
//
// Characters and character constructs that are of no import

```

```

// to the parser and are used to make the grammar easier to read
// for humans.
//
WS
: (
    ' '
    | '\t'
    | '\r'
    | '\n'
    | '\f'
  )+
  {$channel=HIDDEN;}
;

// A fragment rule for use in recognizing end of line in
// rules like COMMENT.
//
fragment
NLCHARS
: '\n' | '\r'
;

// A fragment rule for recognizing traditional whitespace
// characters within lexer rules.
//
fragment
WSCHARS
: ' ' | '\t' | '\f'
;

// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
WSNLCHARS
: ' ' | '\t' | '\f' | '\n' | '\r'
;

// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a
// byte order mark. Since this Unicode character doesn't appear as a token
// anywhere else in the grammar, we can simply skip all instances
// of it without
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or
// STRING_LITERAL.
UnicodeBOM
: '\uFEFF' {skip();}
;

```

```
// -----
// Illegal Character
//
// This is an illegal character trap which is always the last rule in the
// lexer specification. It matches a single character of any value and being
// the last rule in the file will match when no other rule knows what to do
// about the character. It is reported as an error but is not passed on to the
// parser. This means that the parser to deal with the grammar file anyway
// but we will not try to analyse or code generate from a file with lexical
// errors.
//
ERRCHAR
: .
{
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    String msg = getTokenErrorDisplay(t)
+ " came as a complete surprise to me";
    grammarError(ErrorType.SYNTAX_ERROR, t, msg);
    state.syntaxErrors++;
    skip();
}
;
```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/ANTLRLexer.g

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

```
/*
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```

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
*   For now, a simple string match used on x.y of x.y.z scheme.
*   Must match Tool.VERSION during load to templates.
*
*   REQUIRED.
*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other
  than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

<namedActions.header>
<parser>

>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

from antlr4 import *
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx):
    pass

}; separator="\n">

>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName,
file.ANTLRVersion)>
from antlr4 import *
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx):
    return self.visitChildren(ctx)

}; separator="\n">

>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames = [ <parser.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType>.EOF
    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor())>

    <namedActions.members>

    <funcs; separator="\n">

    <if(sempredFuncs)>
    def sempred(self, localctx, ruleIndex, predIndex):
        if self._predicates == None:
            self._predicates = dict()
    <parser.sempredFuncs.values:{f

```



```

|
self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
pred = self._predicates.get(ruleIndex, None)
if pred is None:
    raise Exception("No predicate with index:" + str(ruleIndex))
else:
    return pred(localctx, predIndex)

<sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
    if self._actions is None:
        actions = dict()
<recog.actionFuncs.values:{f|
    actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
    self._actions = actions
    action = self._actions.get(ruleIndex, None)
    if action is not None:
        action(localctx, actionIndex)
    else:
        raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f|
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>

>>

```

```

parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx , actionIndex):
    <actions:{index|
    <if(first(actions))>
        if actionIndex == <index>:
            <actions.(index)>
    <elseif(rest(actions))>
        elif actionIndex == <index>:
            <actions.(index)>
    <endif> } ; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx, predIndex):
    <actions:{index|
    <if(first(actions))>
        if predIndex == <index>:
            return <actions.(index)>
    <elseif(rest(actions))>
        elif predIndex == <index>:
            return <actions.(index)>
    <endif> } ; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

def <currentRule.name>(self<currentRule.args:{a | , <a.name>}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)>
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    <endif>
    finally:
        <finallyAction>
        self.exitRule()
    return localctx

>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

def <currentRule.name>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)>
    _prevctx
= localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    except RecognitionException as re:

```

```

        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    finally:
        <finallyAction>
        self.unrollRecursionContexts(_parentctx)
    return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals,
preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\nel">
else:
    <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\nel">
else:
    pass
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble,
iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |

```

```

if la_ == <i>:
    <alt>
    pass
}; separator="\nel">

>>

```

```

OptionalBlock(choice,
    alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">

>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    if _alt==1<if(!choice.ast.greedy)>+1<endif>:
        <iteration>
        <alts> <! should only be one !>
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt>
and _alt!=ATN.INVALID_ALT_NUMBER:
    <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">
    else:
        <error>
    self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```
>>
```

```
Sync(s) ::= "sync(<s.expecting.name>)"
```

```
ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"
```

```
TestSetInline(s) ::= <<
```

```
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator=" or ">
```

```
>>
```

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
```

```
testShiftInRange(shiftAmount) ::= <<
```

```
((<shiftAmount>) & ~0x3f) == 0
```

```
>>
```

```
// produces smaller bytecode only when bits.ttypes contains more than two items
```

```
bitsetBitfieldComparison(s, bits) ::= <%
```

```
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})>
```

```
and ((1 \<\< <offsetShiftVar(s.varName, bits.shift)>) & (<bits.ttypes:{ttype | (1 \<\< <offsetShiftType(ttype, bits.shift)>}); separator=" | ">)) != 0)
```

```
%>
```

```
isZero ::= [
```

```
"0":true,
```

```
default:false
```

```
]
```

```
offsetShiftVar(shiftAmount, offset) ::= <%
```

```
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
```

```
%>
```

```
offsetShiftType(shiftAmount, offset) ::= <%
```

```
<if(!isZero.(offset))>(<parser.name>.<shiftAmount> - <offset>)<else><parser.name>.<shiftAmount><endif>
```

```
%>
```

```
// produces more efficient bytecode when bits.ttypes contains at most two items
```

```
bitsetInlineComparison(s, bits) ::= <%
```

```
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">
```

```
%>
```

```
cases(ttypes) ::= <<
```

```
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
```

```
>>
```

```
InvokeRule(r, argExprsChunks) ::= <<
```

```
self.state = <r.stateNumber>
```

```

<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>self.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChu
nks>)
>>

```

```

MatchToken(m)
::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{l | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{l | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

```

```

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>self.matchWildcard()
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>

```


>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"

LexerMoreCommand() ::= "more()"

LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"

LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"

LexerModeCommand(arg, grammar) ::= "_mode = <arg>"

LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"

ActionTemplate(t) ::= "<t.st>"

ArgRef(a) ::= "localctx.<a.name>"

LocalRef(a) ::= "localctx.<a.name>"

RetValRef(a) ::= "localctx.<a.name>"

QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"

/** How to translate \$tokenLabel */

TokenRef(t) ::= "<ctx(t)>.<t.name>"

LabelRef(t) ::= "<ctx(t)>.<t.name>"

ListLabelRef(t)

:= "<ctx(t)>.<ListLabelName(t.name)>"

SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"

InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"

TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"

TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"

TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"

TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"

TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"

TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"

RulePropertyRef_stop(r)

:= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"

RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"

RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"

RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"

ThisRulePropertyRef_stop(r) ::= "localctx.stop"

ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"

```

ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t)
    ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

ContextRuleListIndexedGetterDecl(r)

```

```

::= <<
def <r.name>(self, i=None):
    if i is None:
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):

    def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | , <a.name>=None}>):
        super(<parser.name>.<struct.name>,
self).__init__(parent, invokingState)
        self.parser = parser
        <attrs:{a | <a>}; separator="\n">
        <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">

    <getters:{g | <g>}; separator="\n\n">

    def getRuleIndex(self):
        return <parser.name>.RULE_<struct.derivedFromName>

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
    def copyFrom(self, ctx):
        super(<parser.name>.<struct.name>, self).copyFrom(ctx)
        <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">

<endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

```

>>

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):
```

```
    def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context
        super(<parser.name>.<struct.name>, self).__init__(parser)
        <attrs:{ a | <a> }; separator="\n">
        self.copyFrom(ctx)
```

```
    <getters:{ g | <g> }; separator="\n">
```

```
    <dispatchMethods; separator="\n">
```

>>

```
ListenerDispatchMethod(method) ::= <<
```

```
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
```

```
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
```

>>

```
VisitorDispatchMethod(method) ::= <<
```

```
def accept(self, visitor):
```

```
    if hasattr(visitor, "visit<struct.derivedFromName; format="cap">"):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)
```

>>

```
AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk)
```

```
::= "localctx"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
```

```
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"
```

```
recRuleAltStartAction(ruleName, ctxName, label) ::= <<
```

```
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
```

```

<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
localctx
= <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:

```

```

    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>

<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.channels)>
        <lexer.channels:{c| <c> = <lexer.channels.(c)>}>;
        separator="\n">

    <endif>

    <if(rest(lexer.modes))>
        <rest(lexer.modes):{m| <m> = <i>}>; separator="\n">

    <endif>

    <if(lexer.tokens)>
        <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}>; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>">; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| u"<m>">; separator=", ", wrap, anchor> ]

    literalNames = [ u"<INVALID>",
        <lexer.literalNames:{t | u<t>}>; separator=", ", wrap, anchor> ]

    symbolicNames = [ u"<INVALID>",
        <lexer.symbolicNames:{t | u<t>}>; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r | u"<r>">; separator=", ", wrap, anchor> ]

    grammarFileName = u"<lexer.grammarFileName>"

    def __init__(self, input=None, output=sys.stdout):
        super(<lexer.name>, self).__init__(input, output=output)
        self.checkVersion("<lexerFile.ANTLRVersion>")
        self._interp
    = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None

```

```

        self._predicates = None

    <namedActions.members>

    <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write(u"<model.serialized; wrap={}<\n>      buf.write(u"}>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>

>>

codeFileExtension() ::= ".py"

Found in path(s):
* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
No license file was found, but licenses were detected in source scan.

/*
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```

```

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* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

/** templates used to generate make-compatible dependencies */

```

```

/** Generate "f : x, y, z" dependencies for input
* dependencies and generated files. in and out
* are File objects. For example, you can say
* <f.canonicalPath>
*/
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>}>;
separator="\n">
>>

```

Found in path(s):

```

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/depend.stg
No license file was found, but licenses were detected in source scan.

```

```

/*
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- */

```
dartTypeInitMap ::= [
  "int": "0",
  "double": "0.0",
  "bool": "false",
  default: "null" // anything other than a primitive type is an object
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
  <fileHeader(file.grammarFileName,
    file.ANTLRVersion)>
  <if(file.genPackage)>
    library <file.genPackage>;
```

```
import 'package:antlr4/antlr4.dart';
import 'dart:io';
```

```
<if(file.genListener)>
part '<file.grammarName>Listener.dart';
part '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
part '<file.grammarName>Visitor.dart';
part '<file.grammarName>BaseVisitor.dart';
<endif>
part '<file.grammarName>Lexer.dart';
<else>
import 'package:antlr4/antlr4.dart';
import 'dart:io';
```

```

<if(file.genListener)>
import '<file.grammarName>Listener.dart';
import '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
import '<file.grammarName>Visitor.dart';
import '<file.grammarName>BaseVisitor.dart';
<endif>
<endif>

<namedActions.header>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
<endif>
<header>

///
This abstract class defines a complete listener for a parse tree produced by
/// [<file.parserName>].
abstract class <file.grammarName>Listener extends ParseTreeListener {
<file.listenerNames:{lname |
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the [<lname>]
/// labeled alternative in [file.parserName>.<file.listenerLabelRuleNames.(lname)>].
<else>
/// Enter a parse tree produced by [<file.parserName>.<lname>].
<endif>
/// [ctx] the parse tree
void enter<lname; format="cap">(<lname; format="cap">Context ctx);
<if(file.listenerLabelRuleNames.(lname))>
/// Exit a parse tree produced by the [<lname>]
/// labeled alternative in [<file.parserName>.<file.listenerLabelRuleNames.(lname)>].
<else>
/// Exit a parse tree produced by [<file.parserName>.<lname>].
<endif>
/// [ctx] the parse tree
void exit<lname; format="cap">(<lname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions)
::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
import '<file.grammarName>Listener.dart';
<endif>

<header>

/// This class provides an empty implementation of [<file.grammarName>Listener],
/// which can be extended to create a listener which only needs to handle
/// a subset of the available methods.
class <file.grammarName>BaseListener implements <file.grammarName>Listener {
  <file.listenerNames>:{lname |

  /// The default implementation does nothing.
  @override
  void enter<lname; format="cap">(<lname; format="cap">Context ctx) {}

  /// The default implementation does nothing.
  @override
  void exit<lname; format="cap">(<lname; format="cap">Context ctx) {}}; separator="\n">

  /// The default implementation does nothing.
  @override
  void enterEveryRule(ParserRuleContext ctx) {}

  /// The default implementation does nothing.
  @override
  void exitEveryRule(ParserRuleContext ctx) {}

  /// The default implementation does nothing.
  @override
  void visitTerminal(TerminalNode node) {}

  /// The default implementation does nothing.
  @override
  void visitErrorNode(ErrorNode node) {}
}
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
<endif>
<header>

/// This abstract class defines a complete generic visitor for a parse tree
/// produced by [<file.parserName>].
///
/// [T] is the return type of the visit operation. Use `void` for
/// operations with no return type.
abstract class <file.grammarName>Visitor<T> extends ParseTreeVisitor<T> {
  <file.visitorNames:{lname |
<if(file.visitorLabelRuleNames.(lname))>
/// Visit a parse tree produced by the {@code <lname>}
/// labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}.
<else>
///
  Visit a parse tree produced by [<file.parserName>.<lname>].
<endif>
/// [ctx] the parse tree.
/// Return the visitor result.
T visit<lname; format="cap">(<lname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
import '<file.grammarName>Visitor.dart';
<endif>
<header>

/// This class provides an empty implementation of [<file.grammarName>Visitor],
/// which can be extended to create a visitor which only needs to handle
/// a subset of the available methods.
///
/// [T] is the return type of the visit operation. Use `void` for

```

```

/// operations with no return type.
class <file.grammarName>BaseVisitor\<T> extends ParseTreeVisitor\<T> implements
<file.grammarName>Visitor\<T> {
    <file.visitorNames>{lname |
/// The default implementation
    returns the result of calling
/// [visitChildren] on [ctx].
@Override
T visit<lname; format="cap">(<lname; format="cap">Context ctx) => visitChildren(ctx);}; separator="\n">
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
// ignore_for_file: unused_import, unused_local_variable, prefer_single_quotes
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(namedActions.definitions)><namedActions.definitions><endif>
<if(parser.rules)>
const int <parser.rules>{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>
class <parser.name> extends <superClass>; null="Parser"> {
    static final checkVersion = () => RuntimeMetaData.checkVersion('<file.ANTLRVersion>',
RuntimeMetaData.VERSION);
    static const int TOKEN_EOF = IntStream.EOF;

    static final List\<DFA> _decisionToDFA = List.generate(

        _ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
    static final PredictionContextCache _sharedContextCache = PredictionContextCache();
    <if(parser.tokens)>
    static const int <parser.tokens>{k | TOKEN_<k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>

    @override
    final List\<String> ruleNames = [
        <parser.ruleNames>{r | '<r>'}; separator=", ", wrap, anchor>
    ];

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    @override
    String get grammarFileName => '<parser.grammarFileName>';

```

```

@Override
String get serializedATN => _serializedATN;

@Override
ATN getATN() {
    return _ATN;
}

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
@Override
bool sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f|
case <f.ruleIndex>:
return _<f.name>_sempred(_localctx, predIndex);}; separator="\n">
    }
    return true;
}
    <sempredFuncs.values; separator="\n">
<endif>

<atn>
}
<funcs:{ func | <if(func.ruleCtx)><func.ruleCtx><endif>}; separator="\n\n">

<funcs:{ func | <if(func.altLabelCtxs)><func.altLabelCtxs:{l | <func.altLabelCtxs(l)>};
separator="\n\n"><endif>}}>
>>

vocabulary(literalNames, symbolicNames) ::= <<
static final List<String> _LITERAL_NAMES = [
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
static final List<String> _SYMBOLIC_NAMES = [
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
static final Vocabulary VOCABULARY = VocabularyImpl(_LITERAL_NAMES, _SYMBOLIC_NAMES);

@Override
Vocabulary get vocabulary {
    return VOCABULARY;
}
>>

```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
    _<f.name>_action(_localctx, actionIndex);
    break;}; separator="\n">
    }
    }
    <actionFuncs.values;
    separator="\n">
    <endif>
    <if(sempredFuncs)>
    bool sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
        switch (ruleIndex) {
            <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
            return _<f.name>_sempred(_localctx, predIndex);}; separator="\n">
            }
            return true;
        }
        <sempredFuncs.values; separator="\n">
        <endif>
    >>

parser_ctor(p) ::= <<
<p.name>(TokenStream input) : super(input) {
    interpreter = ParserATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}
>>

/// This generates a private method since the actionIndex is generated, making an
/// overriding implementation impossible to maintain.
RuleActionFunction(r, actions) ::= <<
void _<r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions:{index|case <index>: <actions.(index)> break;}; separator="\n">
    }
    }
    >>

/// This generates a private method since the predIndex is generated, making an
/// overriding implementation impossible to maintain.
RuleSempredFunction(r,
actions) ::= <<
bool _<r.name>_sempred(<r.ctxType> _localctx, int predIndex) {

```

```

switch (predIndex) {
  <actions:{index|case <index>: return <actions.(index)>;}; separator="\n">
}
return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else><endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) {
  dynamic _localctx = <currentRule.ctxType>(context, state<currentRule.args:{a | , <a.name>}>);
  enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <if(currentRule.hasLookaheadBlock)>
      int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  } <if(exceptions)> <exceptions; separator="\n"><else>on RecognitionException catch (re) {
    _localctx.exception = re;
    errorHandler.reportError(this, re);
    errorHandler.recover(this,
  re);
  }<endif> finally {
    <finallyAction>
    exitRule();
  }
  return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
  namedActions,finallyAction,postamble) ::=
<<

```

```

<currentRule.ctxType> <currentRule.name>([int _p = 0]<args:{a | , <a>}>) {
  final _parentctx = context;
  final _parentState = state;
  dynamic _localctx = <currentRule.ctxType>(context, _parentState<currentRule.args:{a | , <a.name>}>);
  var _prevctx = _localctx;
  var _startState = <currentRule.startState>;
  enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
  <namedActions.init>

```



```

<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
    int _alt;
<endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
} on RecognitionException catch (re) {
    _localctx.exception = re;
    errorHandler.reportError(this, re);
    errorHandler.recover(this, re);
} finally {
    <finallyAction>
    unrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    break;}; separator="\n">
default:
    <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<

```

```

state = <choice.stateNumber>;
errorHandler.sync(this);
switch
(tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error>!!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
state = <choice.loopBackStateNumber>;
errorHandler.sync(this);
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
state = <choice.stateNumber>; <! loopback/exit decision !>
errorHandler.sync(this);
<iteration>
} while (<loopExpr>);
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if (_alt == 1<if(!choice.ast.greedy)> + 1<endif>) {

<iteration>
<alts> <! should only be one !>
}
state = <choice.loopBackStateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)> + 1<endif>:

```

```

<alt>
break;}; separator="\n">
default:
  <error>
}
state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((BigInt.one \<\< <offsetShift(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (BigInt.one \<\< <offsetShift({TOKEN_<ttype>}, bits.shift)>)}); separator=" |
">)) != BigInt.zero)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName> == TOKEN_<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case TOKEN_<t>:}; separator="\n">

```

>>

```
InvokeRule(r,
  argExprsChunks) ::= <<
state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>, <endif><endif><argExprsChunks>
);
>>
```

```
MatchToken(m) ::= <<
state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(TOKEN_<m.name>);
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>tokenStream.LT(1);<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
  <if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>errorHandler.recoverInline(this);
} else {
  if ( tokenStream.LA(1)==IntStream.EOF ) matchedEOF = true;
  errorHandler.reportMatch(this);
  consume();
}
>>
```

```
Wildcard(w) ::= <<
state = <w.stateNumber>;
<if(w.labels)><w.labels:{l
| <labelref(l)> = }><endif>matchWildcard();
>>
```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<
state = <p.stateNumber>;
if (!(<chunks>)) {
  throw FailedPredicateException(this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,

```

```

<p.msg><endif>;
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

LexerTypeCommand(arg, grammar)    ::= "type = <arg>;"
LexerChannelCommand(arg, grammar) ::= "channel = <arg>;"
LexerModeCommand(arg, grammar)    ::= "mode_ = <arg>;"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>;"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a)
    ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>?.text"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.type : 0"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.line : 0"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.charPositionInLine : 0"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.channel : 0"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.tokenIndex : 0"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != null ?
    int.parse(<ctx(t)>.<t.label>.text) : 0"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>?.start"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>?.stop"

```

```

RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != null ? tokenStream.getTextRange(<ctx(r)>.<r.label>.start,
<ctx(r)>.<r.label>.stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "tokenStream.getTextRange(_localctx.start, tokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t)
::= "<TokenLabelType()> <t.name>"
TokenTypeDecl(t) ::= "int <t.name>;"
TokenListDecl(t) ::= "List<Token> <t.name> = List<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = List<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::= <<
TerminalNode <t.name>() => getToken(<parser.name>.TOKEN_<t.name>, 0);
>>

ContextTokenListGetterDecl(t) ::= <<
List<TerminalNode> <t.name>s() => getTokens(<parser.name>.TOKEN_<t.name>);
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
TerminalNode <t.name>(int i) => getToken(<parser.name>.TOKEN_<t.name>, i);
>>

ContextRuleGetterDecl(r) ::= <<
<r.ctxName> <r.name>() => getRuleContext\<<r.ctxName>\>(0);
>>

ContextRuleListGetterDecl(r) ::= <<
List<<r.ctxName>\> <r.name>s() => getRuleContexts\<<r.ctxName>\>();
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<r.ctxName> <r.name>(int i) => getRuleContext\<<r.ctxName>\>(i);
>>

LexerRuleContext() ::= "RuleContext"

/// The rule
context name is the rule followed by a suffix; e.g.,
/// r becomes rContext.

```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = tokenStream.LT(1);"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = tokenStream.LA(1);"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
```

```
::= <<
```

```
class <struct.name> extends
```

```
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
```

```
<interfaces; separator=", "><endif> {
```

```
<attrs:{a | <a>;}; separator="\n">
```

```
<getters:{g | <g>;}; separator="\n">
```

```
<struct.name>([ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>]) : super(parent,  
invokingState)<if(struct.ctorAttrs)> {
```

```
<struct.ctorAttrs:{a | this.<a.name> = <a.name>;}; separator="\n">
```

```
<else>;<endif>
```

```
@override
```

```
int get ruleIndex => RULE_<struct.derivedFromName>;
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
@override
```

```
void copyFrom(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif> ctx) {
```

```
super.copyFrom(ctx);
```

```
<struct.attrs:{a | this.<a.name> = (ctx as <struct.name>).<a.name>;}; separator="\n">
```

```
}
```

```
<endif>
```

```
<dispatchMethods; separator="\n">
```

```
<extensionMembers; separator="\n">
```

```
}
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
class <struct.name> extends <struct.parentRule; format="cap">Context {
```

```
<attrs:{a | <a>;}; separator="\n">
```

```
<getters:{g | <g>;}; separator="\n">
```

```
<struct.name>(<struct.parentRule; format="cap">Context ctx) { copyFrom(ctx); }
```

```
<dispatchMethods; separator="\n">
```

```
}
```

```
>>
```

```
ListenerDispatchMethod(method) ::= <<
```

```
@override
```



```

void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
    if (listener is <parser.grammarName>Listener)
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
        format="cap">(this);
    }
>>

```

```

VisitorDispatchMethod(method) ::= <<
@override
T accept<T>(ParseTreeVisitor<T> visitor) {
    if (visitor is <parser.grammarName>Visitor<T>) {
        return visitor.visit<struct.derivedFromName; format="cap">(this);
    } else {
        return visitor.visitChildren(this);
    }
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

```

```

// If we don't know location of label def x, use this template
labelref(x) ::= "<if(!x.isLocal)>_localctx.<endif><x.name>"

```

```

// For any action chunk, what is correctly-typed context struct ptr?
ctx(actionChunk) ::= "_localctx"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(context, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name> = $<src>.<name>";
recRuleSetStopToken() ::= "context.stop = tokenStream.LT(-1);"

```

```

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
    _localctx = <ctxName>Context(_parentctx, _parentState);
    <if(label)>
    <if(isListLabel)>
        _localctx.<label>.add(_prevctx);
    <else>
        _localctx.<label>
        = _prevctx;
    <endif>
    <endif>
    pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
    _localctx = <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
    _parentState));
    <if(label)>

```

```

<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx);
context = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
if (parseListeners != null) triggerExitRuleEvent();
_prevctx = _localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
part of <lexerFile.genPackage>;
<else>
import
'package:antlr4/antlr4.dart';
<endif>
<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(namedActions.definitions)><namedActions.definitions><endif>

class <lexer.name> extends <superClass; null="Lexer"> {
static final checkVersion = () => RuntimeMetaData.checkVersion('<lexerFile.ANTLRVersion>',
RuntimeMetaData.VERSION);

static final List<DFA> _decisionToDFA = List.generate(
_ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
static final PredictionContextCache _sharedContextCache = PredictionContextCache();
<if(lexer.tokens)>
static const int
<lexer.tokens:{k | TOKEN_<k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>

```

```

<if(lexer.channels)>
static const int
  <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.modes))>
static const int
  <rest(lexer.modes){m | <m> = <i>}; separator=", ", wrap, anchor>;
<endif>

@override
final List<String> channelNames = [
  'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c | '<c>'}; separator=", ",
wrap, anchor><endif>
];

@override
final List<String> modeNames = [
  <lexer.modes:{m | '<m>'}; separator=", ", wrap, anchor>
];

@override
final List<String> ruleNames = [
  <lexer.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

<lexer.name>(CharStream input) : super(input) {
  interpreter = LexerATNSimulator(_ATN, _decisionToDFA, _sharedContextCache, recog: this);
}

@override
String get serializedATN => _serializedATN;

@override
String get grammarFileName => '<lexer.grammarFileName>';

@override
ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<

```

```

<if(rest(model.segments))>
<! requires segmented representation !>
static const int _serializedATNSegments
= <length(model.segments)>;
<model.segments:{segment|static final String _serializedATNSegment<i0> =
'<segment; wrap={'\n><t>'}>'; separator="\n">
static final String _serializedATN = [
    <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
].join();
<else>
<! only one segment, can be inlined !>
static const String _serializedATN = '<model.serialized; wrap={'\n><t>'}>';
<endif>
static final ATN _ATN =
    ATNDeserializer().deserialize(_serializedATN.codeUnits);
>>

```

```

/// Using a type to init value map, try to init a type; if not in table
/// must be an object, default value is "null".
initValue(typeName) ::= <<
<dartTypeInitMap.(typeName)>
>>

```

```
codeFileExtension() ::= ".dart"
```

Found in path(s):

* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/tool/templates/codegen/Dart/Dart.stg

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*/

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* /antlr4-4-9-1-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.java

1.74 mockito-inline 3.9.0

1.74.1 Available under license :

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1.75 jgroups 5.3.0.Final

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1.76 jsoup 1.17.2

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1.77 ion-java 1.4.0

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```
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/facet/UnsupportedFacetException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonBlob.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonTimestampLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonTokenReader.java
*
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/ContainerlessContext.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/facet/package-info.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonType.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonTextAppender.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonClobLite.java
```

- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/EmptySymbolException.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonFloat.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/ByteBuffer.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/SubstituteSymbolTableException.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_LocalSymbolTableFactory.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/LocalSymbolTableAsStruct.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTextUserX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SymbolTableReader.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/Block.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonLobLite.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/SimpleCatalog.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_MarkupCallback.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/ByteReader.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ListWriter.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterUserBinary.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonSymbol.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/_Private_IonRawWriter.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonCatalog.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SharedSymbolTable.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/UnknownSymbolException.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/IonManagedBinaryWriter.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonFloatLite.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonBinaryWriterBuilder.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonWriter.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonTimestamp.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SubstituteSymbolTable.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/package-info.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderBinaryUserX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonText.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/ValueFactory.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/AppendableFastAppendable.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonNull.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/facet/Faceted.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/OutputStreamFastAppendable.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonTextWriterBuilder.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonReader.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/AbstractValueVisitor.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTextRawX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/UnifiedSavePointManagerX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonReaderBuilder.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/TextSpan.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonDecimalLite.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SimpleByteBuffer.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/BlockAllocatorProviders.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/ReverseBinaryEncoder.java

```

* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonLoader.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/GzipOrRawInputStream.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonString.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/RawValueSpanProvider.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IntegerSize.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/apps/EncodeApp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_CurriedValueFactory.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonValue.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ByteTransferSink.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterSystemText.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_SymtabExtendsCache.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/_Private_IonManagedBinaryWriterBuilder.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/BlockAllocatorProvider.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonBool.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonBinaryWriterImpl.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/apps/BaseApp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonTextWriterBuilder.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/AbstractSymbolTable.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/Printer.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonDatagram.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonTextLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/_Private_IonManagedWriter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/LocalSymbolTable.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_CallbackBuilder.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/package-info.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonWriterFactory.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/NullValueException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/Spans.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderBinarySystemX.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonLoaderLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterSystemBinary.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonTokenConstsX.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/ValueFactoryLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/UnexpectedEofException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonDecimal.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderBinaryRawX.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/IonRawBinaryWriter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/ValueVisitor.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonTextReader.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonUTF8.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonIntLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonLob.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/Timestamp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonBinaryWriterBuilder.java

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- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/JarInfo.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonBinary.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonContainer.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonWriterBase.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/package-info.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterSystem.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonWriterBuilder.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonList.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/Symbols.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterSystemTextMarkup.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonContainer.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterUser.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonIteratorImpl.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SymbolTokenImpl.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/ReadOnlyValueException.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/ByteWriter.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonClob.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/_PrivateIon_HashTrampoline.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/UnifiedDataPageX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonSymbol.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/IonValueUtils.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/DowncastingFaceted.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/OffsetSpan.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonConstants.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonSexpLite.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/SystemValueIterator.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/Equivalence.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/SpanProvider.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/UnifiedInputStreamX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_FastAppendableDecorator.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonDatagramLite.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonSystem.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/Decimal.java
- *
- /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonSystem.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonTextBufferedStream.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/IonTextUtils.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonContext.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonReaderFactory.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/UnifiedInputBufferX.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/SymbolToken.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/BlockAllocator.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/TopLevelContext.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_Utils.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/AbstractIonWriter.java
- * /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTextSystemX.java

```

* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/IonStreamUtils.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/Span.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_CommandLine.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTextRawTokensX.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonContainerLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_FastAppendableTrampoline.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonSequenceLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTreeSystem.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonInt.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonCharacterReader.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonBlobLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonSequence.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/_Private_FastAppendable.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/InvalidSystemSymbolException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/SymbolTable.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ValueFactory.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/LocalSymbolTableImports.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonMessages.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonWriterBuilderBase.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonSexp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonReaderTreeUserX.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/util/package-info.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_SymbolToken.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonValueLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonListLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonValue.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/IonWriterSystemTree.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonBinaryWriter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonStringLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonSystemLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonStruct.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/apps/SymtabApp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/facet/Facets.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ReaderWriter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/apps/PrintApp.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/PooledBlockAllocatorProvider.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/BlockedBuffer.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/_Private_LiteDomTrampoline.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/SystemFactory.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/system/IonSystemBuilder.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/ContainedValueException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonNumber.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/WriteBuffer.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonNullLite.java

```

```

* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/bin/IonBinaryWriterAdapter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonStructLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonBoolLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/SystemSymbols.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ByteTransferReader.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_ScalarConversions.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonMutableCatalog.java
*
/ion-java-1-4-0-sources-3-jar/software/amazon/ion/SeekableReader.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/_Private_IonWriter.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/IonDatagram.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/lite/IonSymbolLite.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/UnsupportedIonVersionException.java
* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/impl/Base64Encoder.java
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```

* /ion-java-1-4-0-sources-3-jar/software/amazon/ion/overview.html

```

1.78 jackson-databind 2.17.0

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1.79 jackson-annotations 2.17.0

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```

```
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```

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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LeafPropertyLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ProxyLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/ArrayERProperty.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LeafPropertyXsiLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/TypeReference.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Lister.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ValuePropertyLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/ContentHandlerAdaptor.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeBuiltinLeafInfoImpl.java
- *
- /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/UnmarshallingContext.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/ModelBuilder.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/XsiTypeLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/SingleMapNodeProperty.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/TransducedAccessor.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Loader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/JaxBeanInfo.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/SAXConnector.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/DatatypeConverterImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/ArrayProperty.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimeTypeInfoSet.java
- *
- /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Scope.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/ArrayBeanInfoImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeTypeInfoSetImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/ClassBeanInfoImpl.java


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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Accessor.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/JAXBRIContext.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Discarder.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeAnyTypeImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/DefaultValueLoaderDecorator.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/ElementBeanInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/Injector.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/JAXBContextImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/StructureLoader.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeElementInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeModelBuilder.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/TextLoader.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/ValueListBeanInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/XsiNilLoader.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/output/XMLStreamWriterOutput.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/StAXStreamConnector.java
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Found in path(s):

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/FixedOrDefault.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexRestriction.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlEnumQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlValueQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlSchemaQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ExtensionType.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/ContextFactory.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlElementDeclQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexTypeHost.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleType.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Documentation.java
 *
 /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Any.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/NestedParticle.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleTypeHost.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Init.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/ReferencePropertyInfoImpl.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/package-info.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/AttrDecls.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Occurs.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlTypeQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Schema.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleRestrictionModel.java
 *
 /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlSchemaTypeQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlRootElementQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/AttributeType.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/LocalElement.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/List.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SchemaTop.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Import.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexContent.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlElementQuick.java
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Appinfo.java

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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleContent.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/TopLevelAttribute.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexType.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Element.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/LocalAttribute.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Union.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ExplicitGroup.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Redefinable.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlTransientQuick.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/UnmarshallerImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleExtension.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/TypeDefParticle.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexTypeModel.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Annotated.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleDerivation.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlElementRefsQuick.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/SimpleRestriction.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlAttributeQuick.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/XMLSerializer.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/NoFixedFacet.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/TopLevelElement.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/ComplexExtension.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/TypeHost.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/InternalAccessorFactory.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Annotation.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/MarshallerImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/XmlElementRefQuick.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/Wildcard.java
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*/
// NO WARRANTY! This class is in the public domain.
/**
* Default implementation of the Attributes interface.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
* for further information.
* </blockquote>
*
* <p>This class provides a default implementation of the SAX2
* {@link org.xml.sax.Attributes Attributes} interface, with the
* addition of manipulators so that the list can be modified or
* reused.</p>
*
* <p>There are two typical uses of this class:</p>
*
* <ol>
* <li>to take a persistent snapshot of an Attributes object
* in a {@link org.xml.sax.ContentHandler#startElement startElement} event; or</li>
* <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>

```

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* </ol>
*
* <p>This class replaces the now-deprecated
SAX1 {@link
* org.xml.sax.helpers.AttributeListImpl AttributeListImpl}
* class; in addition to supporting the updated Attributes
* interface rather than the deprecated {@link org.xml.sax.AttributeList
* AttributeList} interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
*
* @since JAXB 1.0
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/

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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/util/AttributesImpl.java

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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_es.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_fr.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_fr.properties
*

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/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_ko.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_de.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_it.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_ja.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_zh_TW.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_fr.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_it.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_ko.properties
 *
 /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_ja.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_ja.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_ja.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_fr.properties
 *
 /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_it.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_zh_TW.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_it.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_de.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_fr.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_it.properties
 *
 /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_es.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_it.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_fr.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_zh_TW.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_zh_TW.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_pt_BR.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_zh_CN.properties
 * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_ja.properties
 *

```

/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_zh_TW.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_zh_CN.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_de.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_zh_TW.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_zh_TW.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_zh_TW.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_zh_CN.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_de.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_de.properties
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_zh_CN.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Messages_es.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_de.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_fr.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_ja.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_pt_BR.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_zh_TW.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_es.properties
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_fr.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages_it.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_pt_BR.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_fr.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_ja.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_ja.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Messages_ja.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages_pt_BR.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Messages_de.properties
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Messages_ko.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Messages.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/unmarshaller/Messages_de.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Messages_it.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages.properties
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Messages_it.properties

```

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-->

Found in path(s):

* `/jaxb-impl-2-2-11-sources-7-jar/META-INF/maven/org.glassfish.jaxb/jaxb-runtime/pom.xml`
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*/
/**
 * Sets the int[] data to this object.
 *
 * <p>
 * This method doesn't make a copy for a performance reason.
 * The caller is still free to modify the array it passed to this method,
 * but he should do so with a care. The unmarshalling code isn't expecting
 * the value to be changed while it's being routed.
 */

```

Found in path(s):

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/IntArrayData.java

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Found in path(s):

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/package.html

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/bytecode/package.html
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/package.html
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/package.html
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/xmlschema/xmlschema-for-jaxb.rng
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/package.html
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/package.html
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/package.html

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#

The sxd/vsd files are the master, and the gif file should be created from it.

Found in path(s):

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/doc-files/readme.txt

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* /jxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeClassInfoImpl.java

* /jxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/SingleElementLeafProperty.java

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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Utils.java

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/Utils.java

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Utils.java

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/Utils.java

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Utils.java

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Found in path(s):

* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/Bridge.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeArrayInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/LifecycleMethods.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ChildLoader.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor_Float.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayLisrDouble.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/marshaller/NamespacePrefixMapper.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Transducer.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/util/QNameMap.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/LeafInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/SecureLoader.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimePropertyInfo.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Patcher.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Boolean.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/AttributesExImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/AnyTypeAdapter.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/output/XMLEventWriterOutput.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/DomPostInitAction.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_field_Byte.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/RawAccessor.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/NameList.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Long.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Tree.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayLisrCharacter.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/Property.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/LocatableAnnotation.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Integer.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/FilterTransducer.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/MultiMap.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/ElementPropertyInfoImpl.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/IDResolver.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/AttributesEx.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimeNonElementRef.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/SingleElementNodeProperty.java
*
/jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/output/DOMOutput.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Form.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/annotation/Quick.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/AssociationMap.java

- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/TransducedAccessor_method_Float.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/FieldAccessor_Short.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/Ref.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/CompositeStructure.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/AdaptedAccessor.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/Coordinator.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/TypeInfoImpl.java
- *
- /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/ValidatingUnmarshaller.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/schemagen/Messages.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/package-info.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/Base64Data.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/MTOMDecorator.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/ListIterator.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/output/ForkXmlOutput.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LocatorExWrapper.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayLisrByte.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/marshaller/NioEscapeHandler.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/unmarshaller/SecureLoader.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/package-info.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/TypeInfoSetImpl.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/InternalBridge.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimeTypeRef.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/PrimitiveArrayListerFloat.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/BinderImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/api/BridgeContext.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/AttributePropertyInfoImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/PropertyInfoImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimeValuePropertyInfo.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/CompositeStructureBeanInfo.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/reflect/opt/MethodAccessor_Byte.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/runtime/RuntimeBuiltinLeafInfo.java
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- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/BuiltinLeafInfoImpl.java
- * /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/BridgeContextImpl.java
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- /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/util/TypeCast.java
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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/property/ArrayElementLeafProperty.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/NameBuilder.java
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* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/runtime/output/XmlOutput.java
* /jaxb-impl-2-2-11-sources-7-jar/com/sun/xml/bind/v2/model/impl/RuntimeReferencePropertyInfoImpl.java
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1.82 junit-jupiter-junit-jupiter-params 5.10.2

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```
import org.gradle.api.file.RegularFile
```

```
import java.net.URI
```

```
data class License(val name: String, val url: URI, val headerFile: RegularFile)
```

1.83 mockito-junit-jupiter 3.6.0

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1.86 com.sun.net.httpserver:http 20070405

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```
/*
 * @(#)HttpConnection.java 1.7 07/01/02
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 */
```

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* /http-20070405-sources-2-jar/sun/net/httpserver/HttpConnection.java

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```
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 * %W% %E%
 *
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```

Found in path(s):

- * /http-20070405-sources-2-jar/sun/net/httpserver/SSLStreams.java
- * /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpsConfigurator.java
- * /http-20070405-sources-2-jar/sun/net/httpserver/ServerImpl.java
- * /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpsParameters.java

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/*

* @(#)UnmodifiableHeaders.java 1.4 07/01/02

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*/

Found in path(s):

- * /http-20070405-sources-2-jar/sun/net/httpserver/UnmodifiableHeaders.java

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/*

* @(#)LeftOverInputStream.java 1.6 07/03/14

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*/

Found in path(s):

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/*

* @(#)DefaultHttpServerProvider.java 1.4 07/01/02

*

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*/

Found in path(s):

- * /http-20070405-sources-2-jar/sun/net/httpserver/DefaultHttpServerProvider.java

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/*

* @(#)HttpContextImpl.java 1.8 07/01/02

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Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/HttpContextImpl.java

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/*

* @(#)ContextList.java 1.4 07/01/02

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* /http-20070405-sources-2-jar/sun/net/httpserver/ContextList.java

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/*

* @(#)StreamClosedException.java 1.4 07/01/02

*

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*/

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/*

* @(#)HttpServerImpl.java 1.4 07/01/02

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* /http-20070405-sources-2-jar/sun/net/httpserver/HttpServerImpl.java

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/*

* @(#)Filter.java 1.5 07/01/02

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* /http-20070405-sources-2-jar/com/sun/net/httpserver/Filter.java

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/*

* @(#)Headers.java 1.4 07/01/02

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* @(#)Authenticator.java 1.2 07/01/02

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/*

* @(#)ServerConfig.java 1.6 07/01/02

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Found in path(s):

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/*

* @(#)AuthFilter.java 1.3 07/01/02

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* /http-20070405-sources-2-jar/sun/net/httpserver/AuthFilter.java

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/*

* @(#)HttpsExchange.java 1.4 07/01/02

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* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpsExchange.java

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Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/UndefLengthOutputStream.java

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/*

* @(#)HttpServer.java 1.6 07/01/02

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Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpServer.java

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/*

* @(#)HttpExchange.java 1.8 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpExchange.java
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/*
* @(#)HttpServerProvider.java 1.4 07/01/02
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Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/spi/HttpServerProvider.java
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/*
* @(#)ChunkedOutputStream.java 1.6 07/03/14
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Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/ChunkedOutputStream.java
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/*
* @(#)HttpsExchangeImpl.java 1.9 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/HttpsExchangeImpl.java
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/*
* @(#)ChunkedInputStream.java 1.4 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/ChunkedInputStream.java

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/*

* @(#)SelectorCache.java 1.2 07/01/02

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* /http-20070405-sources-2-jar/sun/net/httpserver/SelectorCache.java

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/*

* @(#)HttpsServerImpl.java 1.4 07/01/02

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* /http-20070405-sources-2-jar/sun/net/httpserver/HttpsServerImpl.java

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/*

* @(#)HttpsServer.java 1.5 07/01/02

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*/

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpsServer.java

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/*

* @(#)ExchangeImpl.java 1.10 07/03/12

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*/

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* /http-20070405-sources-2-jar/sun/net/httpserver/ExchangeImpl.java

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```
/*
 * @(#)FixedLengthOutputStream.java 1.7 07/01/02
 *
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 */
```

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* /http-20070405-sources-2-jar/sun/net/httpserver/FixedLengthOutputStream.java

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```
/*
 * @(#)HttpExchangeImpl.java 1.8 07/01/02
 *
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 */
```

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* /http-20070405-sources-2-jar/sun/net/httpserver/HttpExchangeImpl.java

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```
/*
 * @(#)Request.java 1.10 07/01/02
 *
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 */
```

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/Request.java

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```
/*
 * @(#)BasicAuthenticator.java 1.2 07/01/02
 *
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 */
```

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/BasicAuthenticator.java

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```
/*
 * @(#)HttpError.java 1.4 07/01/02
```

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*/

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/HttpError.java

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/*
* @(#)HttpPrincipal.java 1.3 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpPrincipal.java

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/*
* @(#)Code.java 1.5 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/Code.java

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/*
* @(#)TimeSource.java 1.4 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/sun/net/httpserver/TimeSource.java

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/*
* @(#)HttpHandler.java 1.4 07/01/02
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*/

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpHandler.java

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/*

* @(#)Event.java 1.4 07/01/02

*

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* /http-20070405-sources-2-jar/sun/net/httpserver/Event.java

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/*

* @(#)FixedLengthInputStream.java 1.5 07/03/14

*

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/*

* @(#)HttpContext.java 1.5 07/01/02

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*/

Found in path(s):

* /http-20070405-sources-2-jar/com/sun/net/httpserver/HttpContext.java

1.87 com.github.mwiede:jsch 0.2.18

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 */
```

1.88 zip4j 2.11.5

1.88.1 Available under license :

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Manifest-Version: 1.0

Bnd-LastModified: 1677079933052

Build-Jdk-Spec: 11

Bundle-Description: Zip4j - A Java library for zip files and streams

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: Zip4j

Bundle-SymbolicName: net.lingala.zip4j

Bundle-Version: 2.11.5

Created-By: Apache Maven Bundle Plugin 5.1.8

Export-Package: net.lingala.zip4j;uses:="net.lingala.zip4j.exception,n
et.lingala.zip4j.io.inputstream,net.lingala.zip4j.model,net.lingala.z
ip4j.progress";version="2.11.5",net.lingala.zip4j.crypto;uses:="net.l
ingala.zip4j.crypto.PBKDF2,net.lingala.zip4j.crypto.engine,net.lingal
a.zip4j.exception,net.lingala.zip4j.model,net.lingala.zip4j.model.enu
ms";version="2.11.5",net.lingala.zip4j.crypto.PBKDF2;version="2.11.5"
,net.lingala.zip4j.crypto.engine;uses:="net.lingala.zip4j.exception";
version="2.11.5",net.lingala.zip4j.exception;version="2.11.5",net.lin

```

gala.zip4j.headers;uses:="net.lingala.zip4j.exception,net.lingala.zip
4j.io.outputstream,net.lingala.zip4j.model,net.lingala.zip4j.util";ve
rsion="2.11.5",net.lingala.zip4j.io.inputstream;uses:="net.lingala.zi
p4j.model,net.lingala.zip4j.util";version="2.11.5",net.lingala.zip4j.
io.outputstream;uses:="net.lingala.zip4j.exception,net.lingala.zip4j.
model";version="2.11.5",net.lingala.zip4j.model;uses:="net.lingala.zi
p4j.headers,net.lingala.zip4j.model.enums";version="2.11.5",net.linga
la.zip4j.model.enums;uses:="net.lingala.zip4j.exception";version="2.1
1.5",net.lingala.zip4j.progress;version="2.11.5",net.lingala.zip4j.ta
sks;uses:="net.lingala.zip4j.exception,net.lingala.zip4j.headers,net.
lingala.zip4j.io.inputstream,net.lingala.zip4j.model,net.lingala.zip4
j.progress,net.lingala.zip4j.util";version="2.11.5",net.lingala.zip4j
.util;uses:="net.lingala.zip4j.exception,net.lingala.zip4j.headers,ne
t.lingala.zip4j.io.inputstream,net.lingala.zip4j.model,net.lingala.zi
p4j.model.enums,net.lingala.zip4j.progress";version="2.11.5"
Import-Package:
javax.crypto,javax.crypto.spec,net.lingala.zip4j.crypt
o,net.lingala.zip4j.crypto.PBKDF2,net.lingala.zip4j.crypto.engine,net
.lingala.zip4j.exception,net.lingala.zip4j.headers,net.lingala.zip4j.
io.inputstream,net.lingala.zip4j.io.outputstream,net.lingala.zip4j.mo
del,net.lingala.zip4j.model.enums,net.lingala.zip4j.progress,net.ling
ala.zip4j.tasks,net.lingala.zip4j.util
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-6.3.1.202206071316

```

Found in path(s):

* /zip4j-2-11-5-jar/META-INF/MANIFEST.MF

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Found in path(s):

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1.89 jakarta activation 1.1.1

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1.90 apache-log4j 2.17.1

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1.91 log4j compatibility api 2.17.1

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- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Inheritance.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/PluralJoin.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/PersistenceContext.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedQueries.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/OneToOne.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/metamodel/StaticMetamodel.java
- *
- /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/EntityTransaction.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/SqlResultSetMapping.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/MapKeyClass.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/QueryTimeoutException.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/SecondaryTables.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Lob.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedQuery.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/metamodel/ListAttribute.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/spi/package-info.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/FetchType.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/metamodel/ManagedType.java
- *
- /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedEntityGraphs.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedSubgraph.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedAttributeNode.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/Selection.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Enumerated.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Table.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/MapKeyJoinColumn.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/ElementCollection.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/Order.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/UniqueConstraint.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/SynchronizationType.java
- *
- /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/PrimaryKeyJoinColumns.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/Root.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/ManyToMany.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/CollectionJoin.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/PostUpdate.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/StoredProcedureQuery.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/metamodel/Attribute.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Transient.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/CommonAbstractCriteria.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/AssociationOverrides.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/SequenceGenerator.java
- *
- /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/AssociationOverride.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/EnumType.java

- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/LockModeType.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/criteria/From.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/AccessType.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/Persistence.java
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- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/MappedSuperclass.java
- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/ForeignKey.java
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- * /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/metamodel/BasicType.java
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- /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/NamedStoredProcedureQuery.java
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* /hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/TableGenerator.java
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*
/hibernate-jpa-2-1-api-1-0-0-final-sources-jar/javax/persistence/SecondaryTable.java

```

1.93 dom4j: flexible xml framework for java

2.1.3

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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/util/SimpleSingleton.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/HTMLWriter.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/JAXPHelper.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/AbstractProcessingInstruction.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/Element.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/dtd/ElementDecl.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/rule/Stylesheet.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/Namespace.java
- *
- /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/BackedList.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/ElementModifier.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMComment.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/DefaultText.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/DOMSAXContentHandler.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/AbstractEntity.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/ElementQNameIterator.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/DefaultCDATA.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMAttributeNodeMap.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/datatype/SchemaParser.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/jaxb/JAXBObjectModifier.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/DOMDocumentResult.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/AbstractBranch.java
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- /dom4j-2-1-3-sources-1-jar/org/dom4j/Attribute.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMAttribute.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/DefaultDocumentType.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/AbstractComment.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/SAXModifyReader.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/XPathException.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/swing/LeafTreeNode.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/NamespaceCache.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/AbstractCharacterData.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/xpath/DefaultNamespaceContext.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/datatype/DatatypeElement.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/FlyweightComment.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/util/NodeComparator.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/NamespaceStack.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/xpath/DefaultXPath.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/DocumentException.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMDocument.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/jaxb/JAXBSupport.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/XPPReader.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/xpp/ProxyXmlStartTag.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/SAXModifier.java
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- *
- /dom4j-2-1-3-sources-1-jar/org/dom4j/util/UserDataDocumentFactory.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/io/SAXValidator.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/rule/Action.java
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- * /dom4j-2-1-3-sources-1-jar/org/dom4j/Comment.java
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- /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMDocumentFactory.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/tree/FlyweightAttribute.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/NodeFilter.java
- * /dom4j-2-1-3-sources-1-jar/org/dom4j/datatype/InvalidSchemaException.java

* /dom4j-2-1-3-sources-1-jar/org/dom4j/dtd/InternalEntityDecl.java
* /dom4j-2-1-3-sources-1-jar/org/dom4j/dom/DOMElement.java
* /dom4j-2-1-3-sources-1-jar/org/dom4j/rule/pattern/NodeTypePattern.java
* /dom4j-2-1-3-sources-1-jar/org/dom4j/VisitorSupport.java

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- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/config/EnablePluginRegistries.java
- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/PluginRegistrySupport.java
- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/config/PluginRegistriesBeanDefinitionRegistrar.java

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- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/Plugin.java
- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/SimplePluginRegistry.java
- *
- /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/support/AbstractTypeAwareSupport.java
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- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/config/PluginRegistryDefinitionParser.java
- * /spring-plugin-core-1-2-0-release-sources-8-jar/org/springframework/plugin/core/support/PluginRegistryFactoryBean.java
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1.96 jackson-core 1.9.13

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1.98 json-java 20240303

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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FastDoubleParser

jackson-core bundles a shaded copy of FastDoubleParser <<https://github.com/wrandelshofer/FastDoubleParser>>. That code is available under an MIT license
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1.100 aws-sdk 1.11.555

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/auth/SignerProviderContext.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/MetadataCache.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/auth/SignerProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/auth/NoOpSignerProvider.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/client/impl/CRC32ChecksumResponseInterceptor.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/model/Endpoint.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/model/Service.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/model/Region.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/model/Partition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/InMemoryRegionsProvider.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkIonGenerator.java
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/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/PartitionsLoader.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/partitions/model/CredentialScope.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/MetricAdminMBean.java
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/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWSSessionCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/BasicSessionCredentials.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/ClassLoaderHelper.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWSSessionCredentials.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/request/ProgressSupport.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/SDKProgressPublisher.java
*
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* /aws-java-sdk-core-1-11-951-sources-2-
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jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/FIFOCache.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkInputStream.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/LengthCheckInputStream.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/UnreliableTestConfig.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ResponseProgressInputStream.java
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*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/RequestProgressInputStream.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkSocket.java
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jar/com/amazonaws/auth/profile/internal/ProfileProcessCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/internal/securitytoken/RoleInfo.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/internal/SignerConstants.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressTracker.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressEventFilter.java
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 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/IdempotentUtils.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/FakeIOException.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/CanHandleNullCredentials.java
 *
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/client/impl/SdkHttpClient.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/ssl/ShouldClearSslSessionPredicate.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/client/impl/ApacheConnectionFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/package-info.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/client/impl/ApacheHttpClientFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/IRequestHandler2.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/InternalLogFactory.java

* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/CapacityManager.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/client/impl/ConnectionManagerAwareHttpClient.java
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 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/StructuredJsonGenerator.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkStructuredCborFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkStructuredPlainJsonFactory.java
 *
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/JsonResponseHandler.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/request/HttpRequestTimer.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkSSLMetricsSocket.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/ComparableUtils.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SystemDefaultDnsResolver.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTask.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SignableRequest.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/request/HttpRequestAbortTask.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/DelegateSocket.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/Base16Lower.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/JulLog.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/JulLogFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SDKGlobalTime.java
*
/aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/client/NoOpClientExecutionAbortTrackerTask.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/InternalLog.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/http/JsonErrorCodeParser.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTask.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/DelegatingDnsResolver.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/TimeoutThreadPoolBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/request/NoOpHttpRequestAbortTaskTracker.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/HandlerContextKey.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTracker.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/UriResourcePathUtils.java

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*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/StackedRequestHandler.java
* / aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SdkThreadLocals.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/SdkHttpUtils.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkInternalList.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/client/HttpClientFactory.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/DnsResolver.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/DelegateInputStream.java
* / aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/client/ClientExecutionAbortTrackerTaskImpl.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/ssl/MasterSecretValidators.java
*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/client/ClientExecutionTimer.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/JsonErrorUnmarshaller.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkInternalMap.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkMetricsSocket.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkIOUtils.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/NumberUtils.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/client/ConnectionFactory.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/JavaVersionParser.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/CommonsLog.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkThreadLocalsRegistry.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/settings/HttpClientSettings.java
*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/SdkConnectionKeepAliveStrategy.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/ValidationUtils.java
* / aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/timers/client/ClientExecutionAbortTaskImpl.java
* / aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/http/conn/ssl/privileged/PrivilegedMasterSecretValidator.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/PredefinedClientConfigurations.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ReadLimitInfo.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/log/CommonsLogFactory.java
* / aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/JsonErrorResponseHandler.java
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- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/annotation/SdkProtectedApi.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/annotation/ThreadSafe.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/annotation/NotThreadSafe.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/annotation/Beta.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/annotation/SdkTestInternalApi.java
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- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryPolicyContext.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/XMLWriter.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/V2CompatibleBackoffStrategy.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/MarshallLocation.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/StaticCredentialsProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/BackoffStrategy.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/presign/PresignerParams.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/builder/ExecutorFactory.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/MarshallingInfo.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/AwsAsyncClientParams.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java


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jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/request/HttpRequestFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/HeaderMarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/V2CompatibleBackoffStrategyAdapter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/ClientHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/PathMarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/ClientExecutionParams.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/EndpointToRegion.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonErrorResponseMetadata.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/builder/AwsSyncClientBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/JsonMarshallerContext.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/SimpleRetryPolicy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/StringInputStream.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/profile/path/AwsProfileFileLocationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/Protocol.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/AndRetryCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/StaticSignerProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/AwsErrorResponseHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/SdkClock.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/TimingInfoFullSupport.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/ClientHandlerParams.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/TimingInfo.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/StructuredPojo.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactoryImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/protocol/json/internal/SimpleTypePathMarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/internal/AllProfiles.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/DefaultMarshallingType.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/profile/path/config/ConfigEnvVarOverrideLocationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/ProtocolRequestMarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/OrRetryCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/AwsSyncClientParams.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/MapUnmarshaller.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/ClientHandlerImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/TimingInfoUnmodifiable.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/MarshallingType.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/presign/PresignerFacade.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/SdkHttpMetadata.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/auth/profile/internal/ProfileAssumeRoleCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/JsonMarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/RetryPolicy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/RequestConfig.java
*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkJsonMarshallerFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/profile/path/cred/CredentialsEnvVarOverrideLocationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/builder/AwsClientBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonOperationMetadata.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/ProtocolMarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/AwsEnvVarOverrideRegionProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonContentTypeResolver.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/profile/internal/BasicProfile.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/RetryPolicyAdapter.java
*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/DefaultValueSupplier.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/AbstractErrorUnmarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/timers/client/SdkInterruptedException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/ExecutionContext.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/AmazonWebServiceRequestAdapter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWSRefreshableSessionCredentials.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/response/AwsResponseHandlerAdapter.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/DefaultAwsRegionProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/AwsProfileRegionProvider.java
*
/ aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/OperationInfo.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/regions/AwsSystemPropertyRegionProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SdkClientException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkFunction.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SdkBaseException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/SdkJsonGenerator.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
*

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/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/v2/MaxNumberOfRetriesCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/protocol/json/internal/NullAsEmptyBodyProtocolRequestMarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/AmazonWebServiceResult.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/JsonContent.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/ListUnmarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonMarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
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/**

* Interface for providing AWS region information. Implementations are free to use any strategy for

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*/

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/DynamoDBBackoffStrategy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/CRC32MismatchException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/AwsHostNameUtils.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/CustomBackoffStrategy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/EC2MetadataClient.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/HandlerContextAware.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/IdleConnectionReaper.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/RegionFromEndpointResolverAwareSigner.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/endpoint/DefaultRegionFromEndpointResolver.java
*

/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/endpoint/RegionFromEndpointResolver.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/request/impl/HttpGetWithBody.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/ApiMonitoringEvent.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/internal/AuthErrorRetryStrategy.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/ResponseMetadataCache.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/SystemPropertyCsmConfigurationProvider.java

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* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/endpointdiscovery/EnvironmentVariableEndpointDiscoveryProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/AmazonServiceException.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/AwsSdkMetrics.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/AbstractRequestHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/endpointdiscovery/SystemPropertyEndpointDiscoveryProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/SDKGlobalConfiguration.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/AbstractFileTlsKeyManagersProvider.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/XpathUtils.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/impl/client/HttpRequestNoRetryHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/CredentialsRequestHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/DefaultServiceEndpointBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWS3Signer.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/package-info.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Statement.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/internal/RetryModeResolver.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ResponseMetadata.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/internal/JsonDocumentFields.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/ArnCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AnonymousAWSCredentials.java
* /aws-java-sdk-core-1-11-951-sources-2-
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/FileStoreTlsKeyManagersProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/MetricInputStreamEntity.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/MonitoringListener.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ServiceMetricType.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/VoidStaxUnmarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/ServiceEndpointBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/AmazonHttpClient.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/AcceptorPathMatcher.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/AmazonWebServiceRequest.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/MetricFilterInputStream.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/VoidJsonUnmarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/StaticCsmConfigurationProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterState.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ByteThroughputProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ServiceNameFactory.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/Request.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/NumericCondition.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/HttpMethod.java

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- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/resources/package-info.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/Response.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/CountingInputStream.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/RepeatableInputStreamRequestEntity.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/RetryUtils.java
- * /aws-java-sdk-core-1-11-951-sources-2-
- jar/com/amazonaws/monitoring/EnvironmentVariableCsmConfigurationProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/JsonUnmarshallerContext.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/MapEntry.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ApacheHttpClientConfig.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/StaxResponseHandler.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/AwsClientSideMonitoringMetrics.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/SimpleServiceMetricType.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/AWSRequestMetricsFullSupport.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/SystemPropertyTlsKeyManagersProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterAcceptor.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/arn/Arn.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Resource.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-
- jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryRefreshCache.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/arn/AwsResource.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/RetryPolicy.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ThroughputMetricType.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/package-info.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/AWSServiceMetrics.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ServiceLatencyProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/ConditionFactory.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/RequestMetricType.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/AmazonWebServiceClient.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/DefaultErrorResponseHandler.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/HttpResponseHandler.java
- *
- /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/endpointdiscovery/Constants.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/EndpointDiscoveryConfig.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/ProfileCsmConfigurationProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/BasicAWSCredentials.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/PropertiesFileCredentialsProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/StringUtils.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Action.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterParameters.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/internal/ServiceMetricTypeGuesser.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/PredefinedRetryPolicies.java
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/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/SdkPredicate.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/MonitoringEvent.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/Waiter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/arn/ArnConverter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/BooleanCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/PropertiesCredentials.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterExecution.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/SimpleMetricType.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/client/builder/AdvancedConfig.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/auth/profile/internal/BasicProfileConfigFileLoader.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/MetricCollector.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/MaxAttemptsRetryStrategy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Condition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/VersionInfoUtils.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/monitoring/internal/AsynchronousAgentDispatcher.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/SimpleTypeJsonUnmarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/HttpClientConfigJsonHelper.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/PolicyReaderOptions.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/CollectionUtils.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/SdkPlainSocketFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/SignerTypeAware.java
*
/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/SimpleThroughputMetricType.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/endpointdiscovery/DefaultEndpointDiscoveryProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Policy.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/cache/Cache.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/StructuredJsonMarshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterBuilder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ByteThroughputHelper.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/RequestHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ProxyAuthenticationMethod.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/WebIdentityTokenCredentialsProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/StaxUnmarshallerContext.java
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/aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/JsonUnmarshallerContextImpl.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/HttpClientConfig.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/Marshaller.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/TlsKeyManagersProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/CompositeAcceptor.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/endpointdiscovery/DaemonThreadFactory.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/AmazonWebServiceResponse.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/RequestHandler2.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/QueryStringSigner.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/MetricType.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/HandlerBeforeAttemptContext.java
 *
 /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/HandlerAfterAttemptContext.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/RuntimeHttpUtils.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressEventType.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/InternalConfigJsonHelper.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/ClientConnectionManagerFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/Presigner.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/RequestHandler2Adaptor.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/apache/Utils/HttpContextUtils.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/ApiCallAttemptMonitoringEvent.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/impl/client/SdkHttpRequestRetryHandler.java
 *
 /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/internal/AuthRetryParameters.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterExecutionBuilder.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/ClientConnectionRequestFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/SdkFunction.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/SignerParams.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/DefaultCsmConfigurationProviderChain.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/package-info.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/ApiCallMonitoringEvent.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/StandardErrorUnmarshaller.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/handlers/HandlerChainFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterHandler.java
 *
 /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/SimpleTypeStaxUnmarshallers.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AWS4UnsignedPayloadSigner.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/IdentityEndpointBuilder.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterTimedOutException.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/AbstractAWSSigner.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressListenerChain.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/internal/JsonPolicyWriter.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/HttpSuccessStatusAcceptor.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressListener.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/HttpResponse.java
 *
 /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/HostRegexToRegionMappingJsonHelper.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/FixedDelayStrategy.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/PollingStrategy.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/WaiterUnrecoverableException.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/cache/KeyConverter.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/SignerFactory.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/actions/package-info.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/TimestampFormat.java
 * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/CsmConfigurationProvider.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/cache/CacheLoader.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/RequestMetricCollector.java
*
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/Signer.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/metrics/ServiceMetricCollector.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/internal/AgentMonitoringListener.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/InternalConfig.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/Principal.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/monitoring/internal/ClientSideMonitoringRequestHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/event/ProgressEvent.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/DefaultRequest.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/NamespaceRemovingInputStream.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/internal/JsonPolicyReader.java
*
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/NoneTlsKeyManagersProvider.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/internal/MaxAttemptsResolver.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/cache/EndpointDiscoveryCacheLoader.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/arn/ArnResource.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/AWSRequestMetrics.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/http/conn/Wrapped.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/DateCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/NoOpSigner.java
* /aws-java-sdk-core-1-11-951-sources-2-
jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryIdentifiersRefreshCache.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/NoOpWaiterHandler.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/waiters/PollingStrategyContext.java
*
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/policy/conditions/StringCondition.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/monitoring/CsmConfigurationProviderChain.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/ClientConfiguration.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/NameValuePair.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/URLEncodedUtils.java
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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/SignerConfig.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/util/ImmutableMapParameter.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/JsonIndex.java
*
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/Builder.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
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- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/EC2ResourceFetcher.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/EC2ContainerCredentialsProviderWrapper.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/RetryMode.java
- *
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryPolicy.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/ContainerCredentialsProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-
- jar/com/amazonaws/retry/internal/CredentialsEndpointRetryParameters.java
- * /aws-java-sdk-core-1-11-951-sources-2-
- jar/com/amazonaws/internal/InstanceMetadataServiceResourceFetcher.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/InstanceMetadataServiceCredentialsFetcher.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/EndpointPrefixAwareSigner.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/internal/ConnectionUtils.java
- * /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/auth/ContainerCredentialsFetcher.java

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* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/transform/SimpleTypeIonUnmarshallers.java
* /aws-java-sdk-core-1-11-951-sources-2-jar/com/amazonaws/protocol/json/IonFactory.java
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 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/annotation/XmlLocation.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/unmarshaller/InfosetScanner.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/TODO.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/RegistryInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/util/Which.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/MapPropertyInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/TypeInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/BuiltinLeafInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/MaybeElement.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/EnumLeafInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/annotation/OverrideAnnotationOf.java
 *
 /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/nav/TypeVisitor.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/util/SecureLoader.java
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 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/LeafInfo.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/marshaller/MinimumEscapeHandler.java
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 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/annotation/AnnotationSource.java
 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/NonElement.java
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 * /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/util/EditDistance.java

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* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/runtime/unmarshaller/LocatorEx.java
* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/ReferencePropertyInfo.java
* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/Ref.java
*
/jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/ClassFactory.java
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* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/core/ClassInfo.java
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* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/model/nav/ReflectionNavigator.java
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* /jaxb-core-2-2-11-sources-3-jar/com/sun/xml/bind/v2/schemagen/episode/Package.java

1.102 java annotation indexer 2.0.3.Final

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jar/org/jboss/marshalling/MarshallerObjectOutputStream.java
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/AbstractClassResolver.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/InputStreamByteInput.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/serial/Descriptor.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/FieldPutter.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/AbstractExternalizer.java
*
/jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-
jar/org/jboss/marshalling/AnnotationClassExternalizerFactory.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ModularClassResolver.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/cloner/CloneableCloner.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-
jar/org/jboss/marshalling/serial/SerialProviderDescriptor.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/river/package-info.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/serial/SerialUnmarshaller.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/SerializabilityChecker.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/SimpleDataOutput.java
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ByteBufferInput.java
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 /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/FlatNavigableMap.java
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 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/serial/ProxyDescriptor.java
 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/Creator.java
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 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/river/SimpleClassDescriptor.java
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/FlatNavigableSet.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ClassResolver.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/ShortReadField.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/serial/Serial.java
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/jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/Marshaller.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/DoubleFieldPutter.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ByteInputStream.java
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/Pair.java
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/jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/ByteReadField.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ByteOutputStream.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-
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* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ModularClassTable.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/IntKeyMap.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/cloner/ObjectCloners.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/reflect/SerializableField.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/util/IdentityIntSet.java
* /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/ChainingClassTable.java
*

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/jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/UTFUtils.java
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 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/river/Validator.java
 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/Externalizer.java
 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/river/ClassDescriptor.java
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 * /jboss-marshalling-osgi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/SimpleDataInput.java
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Manifest-Version: 1.0
 Bundle-License: <http://repository.jboss.org/licenses/cc0-1.0.txt>
 Bundle-SymbolicName: org.jboss.marshalling.jboss-marshalling-osgi
 Built-By: mockbuild
 Bnd-LastModified: 1445632801475
 Specification-Title: JBoss Marshalling OSGi Bundle
 Implementation-Vendor-Id: org.jboss.marshalling
 Bundle-DocURL: <http://jboss.org/jbossmarshalling>
 Import-Package: org.jboss.modules;resolution:=optional,sun.reflect;resolution:=optional
 Scm-Url: <http://github.com/jboss/jboss-parent-pom/jboss-marshalling-parent/jboss-marshalling-osgi>
 Export-Package: org.jboss.marshalling.river;uses:="org.jboss.marshalling.reflect,org.jboss.marshalling,org.jboss.marshalling.util";version="1.4.10.Final-redhat-3",org.jboss.marshalling.serial;uses:="org.jboss.marshalling,org.jboss.marshalling.reflect,org.jboss.marshalling.util";version="1.4.10.Final-redhat-3",org.jboss.marshalling;uses:="org.jboss.marshalling.reflect,org.jboss.modules";version="1.4.10.Final-redhat-3",org.jboss.marshalling.reflect;uses:="org.jboss.marshalling,sun.reflect,org.jboss.marshalling.util";version="1.4.10.Final-redhat-3",org.jboss.marshalling.util;uses:="org.jboss.marshalling,org.jboss.marshalling.reflect";version="1.4.10.Final-redhat-3",org.jboss.marshalling.cloner;uses:="org.jboss.marshalling,org.jboss.marshalling.reflect,org.jboss.marshalling.util";version="1.4.10.Final-redhat-3"
 Bundle-Name: JBoss Marshalling OSGi Bundle
 Bundle-Description: JBoss Marshalling OSGi Bundle with API and implementations
 Implementation-Title: JBoss Marshalling OSGi Bundle
 Implementation-Version: 1.4.10.Final-redhat-3
 Java-Version: 1.8.0_65
 Scm-Connection: scm:git:git@github.com:jboss/jboss-parent-pom.git/jbos

s-marshalling-parent/jboss-marshalling-osgi
Bundle-ManifestVersion: 2
Specification-Vendor: JBoss by Red Hat
Os-Arch: amd64
Bundle-Vendor: JBoss by Red Hat
Java-Vendor: Oracle Corporation
Os-Name: Linux
Tool: Bnd-0.0.357
Implementation-Vendor:
JBoss by Red Hat
Os-Version: 2.6.32-573.7.1.el6.x86_64
Scm-Revision: c1dba9484f7c5ee5b2c73d7624cd2dac5c961b82
Bundle-Version: 1.4.10.Final-redhat-3
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_65
Specification-Version: 1.4.10.Final-redhat-3
Implementation-URL: <http://www.jboss.org/jboss-marshalling-parent/jboss-marshalling-osgi>

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#

#

River protocol provider

#

org.jboss.marshalling.river.RiverProviderDescriptor

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#
```

```
#  
# Serial protocol provider  
#  
org.jboss.marshalling.serial.SerialProviderDescriptor
```

```
Found  
in path(s):  
* /jboss-marshalling-ogsi-1-4-10-final-redhat-3-sources-jar/META-  
INF/services/org.jboss.marshalling.ProviderDescriptor  
No license file was found, but licenses were detected in source scan.
```

```
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02110-1301 USA, or see the FSF site: http://www.fsf.org.  
*/
```

```
Found in path(s):  
* /jboss-marshalling-ogsi-1-4-10-final-redhat-3-sources-jar/org/jboss/marshalling/serial/UnknownDescriptor.java
```

1.104 jaxrsprovider 1.9.13

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```
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*/
```

Found in path(s):

```
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/util/ByteArrayBuilder.java  
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/JsonFactory.java  
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/Base64Variants.java  
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/Base64Variant.java  
*  
/jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/JsonStreamContext.java  
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/JsonParser.java  
* /jackson-core-2-0-0-sources-jar/com/fasterxml/jackson/core/JsonGenerator.java
```

1.105 infinispn common parent 8.2.5.Final

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Version 2.1, February 1999

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1.106 apache poi: ooxml-schemas 3.10-FINAL

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[1] <http://www.ecma-international.org/publications/standards/Ecma-376.htm>

[2] <http://www.ecma-international.org/memento/Ecmabylaws.htm>

[3] <http://www.microsoft.com/openspecifications/en/us/programs/osp/default.aspx>

[4] <http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/Patent%20statements%20ok/ECMA-376%20Edition%202%20Microsoft%20Patent%20Declaration.pdf>

[5] <http://www.ecma-international.org/publications/files/ECMA-ST/Ecma%20PATENT/Patent%20statements%20ok/ECMA-376%20Adobe%20Patent%20Declaration.pdf>

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JUnit test library (junit-3.8.1.jar)

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/auth/NoOpSignerProvider.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/NullResponseMetadataCache.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/auth/SignerProviderContext.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/MetadataCache.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/SdkProxyRoutePlanner.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/AbstractRegionMetadataProvider.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionMetadataFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionImpl.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredIonFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionMetadataProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/partitions/PartitionMetadataProvider.java
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- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DelegateInputStream.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkInternalList.java
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- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/JsonErrorResponseHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/log/CommonsLog.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/timers/client/ClientExecutionAbortTask.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/timers/TimeoutThreadPoolBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DelegateSocket.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SystemDefaultDnsResolver.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkMetricsSocket.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SignableRequest.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/http/JsonErrorMessageParser.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/log/JulLog.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base16Lower.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/SdkHttpUtils.java

```

* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/http/conn/ssl/privileged/PrivilegedMasterSecretValidator.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/log/JulLogFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/DnsResolver.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/HandlerContextKey.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/http/timers/request/HttpRequestAbortTaskTrackerImpl.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/exception/HttpRequestTimeoutException.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/http/JsonErrorCodeParser.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/JavaVersionParser.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/timers/request/HttpRequestAbortTask.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/log/InternalLog.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/client/ConnectionFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SDKGlobalTime.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ReadLimitInfo.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/StackedRequestHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/http/timers/client/NoOpClientExecutionAbortTrackerTask.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/http/timers/request/NoOpHttpRequestAbortTaskTracker.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/settings/HttpClientSettings.java
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/**

- * Interface for providing AWS credentials. Implementations are free to use any
- * strategy for providing AWS credentials, such as simply providing static
- * credentials that don't change, or more complicated implementations, such as
- * integrating with existing key management systems.

*/

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/jmx/JmxInfoProviderSupport.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWSSessionCredentials.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/ServiceClientHolderInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/BasicSessionCredentials.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/ClassLoaderHelper.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricAdmin.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/RequestClientOptions.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/jmx/spi/SdkMBeanRegistry.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricAdminMBean.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/jmx/spi/JmxInfoProvider.java
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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWS4UnsignedPayloadSigner.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/IdentityEndpointBuilder.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ClientConfiguration.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/QueryStringSigner.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/RequestHandler2.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/StaxResponseHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/Principal.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/IpAddressCondition.java

- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/HttpResponseHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/ApiCallMonitoringEvent.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/XpathUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/StringUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/VoidStaxUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/HttpClientConfigJsonHelper.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/CRC32ChecksumCalculatingInputStream.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/HandlerChainFactory.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/RetryUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterAcceptor.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/internal/ServiceMetricTypeGuesser.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AWSRequestMetrics.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonServiceException.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/protocol/SdkHttpRequestExecutor.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/VersionInfoUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterParameters.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/MonitoringListener.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/ServiceEndpointBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/package-info.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressEventType.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkPredicate.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/Utils/HttpContextUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ServiceLatencyProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/PolicyReaderOptions.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/conn/Wrapped.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/actions/package-info.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/HttpResponse.java
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- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ServiceMetricType.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/PollingStrategy.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonWebServiceResponse.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/endpointdiscovery/SystemPropertyEndpointDiscoveryProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/PropertiesCredentials.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/HostRegexToRegionMapping.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonWebServiceRequest.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/CollectionUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ThroughputMetricType.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/MaxAttemptsRetryStrategy.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/HandlerBeforeAttemptContext.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/PollingStrategyContext.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/VoidJsonUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/DefaultRequest.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/SimpleServiceMetricType.java

- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/PropertiesFileCredentialsProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/Signer.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/AwsSdkMetrics.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/AmazonHttpClient.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/Resource.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SignerParams.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/endpointdiscovery/Constants.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/StaxUnmarshallerContext.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterExecutionBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/SimpleThroughputMetricType.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ServiceMetricCollector.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/cache/CacheLoader.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ProxyAuthenticationMethod.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/ApiMonitoringEvent.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/RepeatableInputStreamRequestEntity.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DefaultServiceEndpointBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/monitoring/SystemPropertyCsmConfigurationProvider.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/StandardErrorUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/impl/client/HttpRequestNoRetryHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/CountingInputStream.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/TimestampFormat.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/DefaultErrorResponseHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AWSServiceMetrics.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/endpointdiscovery/DaemonThreadFactory.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/HandlerAfterAttemptContext.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/Response.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressEvent.java
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- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressListener.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/CsmConfigurationProviderChain.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/HttpFailureStatusAcceptor.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/monitoring/internal/ClientSideMonitoringRequestHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/endpointdiscovery/EnvironmentVariableEndpointDiscoveryProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/RequestHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/cache/Cache.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryRefreshCache.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AnonymousAWSCredentials.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/internal/JsonPolicyReader.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterImpl.java
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jar/com/amazonaws/endpointdiscovery/AwsProfileEndpointDiscoveryProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/RequestMetricCollector.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/SimpleMetricType.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/NoOpWaiterHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/conn/ClientConnectionRequestFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/EndpointDiscoveryConfig.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/package-info.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/SimpleTypeStaxUnmarshallers.java
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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/NumericCondition.java
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/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/HttpClientConfig.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricFilterInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/InternalConfigJsonHelper.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/ConditionFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/Action.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/RetryPolicy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/NoOpSigner.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/MonitoringEvent.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/HttpMethod.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricCollector.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/SimpleTypeJsonUnmarshallers.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/StaticCsmConfigurationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/ProfileCsmConfigurationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/CompositeAcceptor.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/Condition.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/AcceptorPathMatcher.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/StructuredJsonMarshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AWSRequestMetricsFullSupport.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/InternalConfig.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricInputStreamEntity.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ResponseMetadata.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/internal/AuthErrorRetryStrategy.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/endpointdiscovery/EndpointDiscoveryProviderChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/MetricType.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SignerFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/JsonUnmarshallerContext.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterTimedOutException.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/RequestMetricType.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/RuntimeHttpUtils.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/resources/package-info.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/SdkFunction.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/HttpClientConfig.java

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*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/Presigner.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/monitoring/DefaultCsmConfigurationProviderChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/CsmConfiguration.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/conn/ClientConnectionFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/builder/AdvancedConfig.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/request/impl/HttpGetWithBody.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/DateCondition.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/FixedDelayStrategy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/internal/AuthRetryParameters.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ByteThroughputProvider.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/Waiter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SignerTypeAware.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/internal/config/HostRegexToRegionMappingJsonHelper.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/internal/AgentMonitoringListener.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/monitoring/internal/AsynchronousAgentDispatcher.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/JsonUnmarshallerContextImpl.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AwsClientSideMonitoringMetrics.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/BooleanCondition.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/HttpSuccessStatusAcceptor.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/CredentialsRequestHandler.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/ArnCondition.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/package-info.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressListenerChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/cache/KeyConverter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/RequestHandler2Adaptor.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/Statement.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/Request.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/BasicAWSCredentials.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/conn/SdkPlainSocketFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/monitoring/EnvironmentVariableCsmConfigurationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AbstractAWSSigner.java
*
/aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/endpointdiscovery/DefaultEndpointDiscoveryProviderChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterExecution.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/Marshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/metrics/ByteThroughputHelper.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterUnrecoverableException.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/AbstractRequestHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/NamespaceRemovingInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWS3Signer.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/internal/JsonPolicyWriter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/conditions/StringCondition.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SDKGlobalConfiguration.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/ApiCallAttemptMonitoringEvent.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/impl/client/SdkHttpRequestRetryHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/waiters/WaiterState.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ServiceNameFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/policy/internal/JsonDocumentFields.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/PredefinedRetryPolicies.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonWebServiceClient.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/monitoring/CsmConfigurationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/MapEntry.java
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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/VoidUnmarshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SignatureVersion.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/LegacyErrorUnmarshaller.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SigningAlgorithm.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWSCredentials.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/SimpleTypeUnmarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/HttpMethodName.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/Unmarshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonClientException.java
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 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/handlers/IRequestHandler2.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/client/impl/SdkHttpClient.java
 *
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/timers/package-info.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/client/impl/ConnectionManagerAwareHttpClient.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactory.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/conn/ssl/ShouldClearSslSessionPredicate.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/request/impl/ApacheHttpRequestFactory.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/client/impl/ApacheConnectionManagerFactory.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/log/InternalLogFactory.java
 * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/apache/client/impl/ApacheHttpClientFactory.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DateTimeJsonSerializer.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/IdempotentUtils.java
*
/
aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/CanHandleNullCredentials.java
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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/Region.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/jmx/SdkMBeanRegistrySupport.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ResetException.java
*
```

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/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/MetricsInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkDigestInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionMetadata.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/EncodingSchemeEnum.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkFilterOutputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/IOUtils.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/CodecUtils.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base64.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base64Codec.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/EncodingScheme.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/HttpClientWrappingInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AbortedException.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base16.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/MetricAware.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base32.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWS4Signer.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkBufferedInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/ListWithAutoConstructFlag.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base32Codec.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Throwables.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AbstractBase32Codec.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Codec.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/SdkRuntime.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Base16Codec.java
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/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionUtils.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/RegionMetadataParser.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/RegionAwareSigner.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/jmx/MBeans.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/ServiceAwareSigner.java
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- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/AwsSyncClientParams.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/AwsProfileRegionProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SdkClientException.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/ListUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/AwsProfileNameLoader.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/RetryOnExceptionsCondition.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/ProfileKeyConstants.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/ProfileAssumeRoleCredentialsProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/V2CompatibleBackoffStrategyAdapter.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/SimpleTypeJsonMarshallers.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/AbstractErrorUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonProtocolMarshallerBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/MarshallLocation.java
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- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/SdkStructuredJsonFactoryImpl.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/MarshallerRegistry.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/profile/path/cred/CredentialsDefaultLocationProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/MarshallingInfo.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/request/HttpRequestFactory.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonContentTypeResolverImpl.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonErrorShapeMetadata.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/ClientConfigurationFactory.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/Protocol.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/TimingInfoFullSupport.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/NullAsEmptyBodyProtocolRequestMarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/profile/path/config/SharedConfigDefaultLocationProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/builder/AwsClientBuilder.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWSRefreshableSessionCredentials.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/RetryOnStatusCodeCondition.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/JsonMarshallerContext.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/AwsErrorResponseHandler.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/MapUnmarshaller.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/MaxNumberOfRetriesCondition.java
- *
- /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/StaticCredentialsProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/StaticSignerProvider.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonClientMetadata.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/profile/path/config/ConfigEnvVarOverrideLocationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/RetryPolicyAdapter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/SimpleRetryPolicy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/AwsAsyncClientParams.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/SdkHttpMetadata.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/AllProfiles.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/profile/path/cred/CredentialsEnvVarOverrideLocationProvider.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/RetryPolicy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/RequestConfig.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/builder/ExecutorFactory.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/DefaultMarshallingType.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SdkClock.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/ExecutionContext.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/AwsEnvVarOverrideRegionProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/V2CompatibleBackoffStrategy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/TimingInfo.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonErrorResponseMetadata.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/AndRetryCondition.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/RetryPolicyContext.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/profile/path/AwsDirectoryBasePathProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/PredefinedBackoffStrategies.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/StringInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/transform/PathMarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/SdkBaseException.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/ClientHandlerParams.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/AwsSystemPropertyRegionProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonContentTypeResolver.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/builder/AwsAsyncClientBuilder.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/OrRetryCondition.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/ClientHandlerImpl.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/protocol/json/internal/SimpleTypePathMarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkFunction.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/presign/PresignerParams.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/builder/AwsSyncClientBuilder.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/BasicProfile.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/RetryCondition.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/StructuredPojo.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/HeaderMarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/response/AwsResponseHandlerAdapter.java
*

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/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/AWSStaticCredentialsProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/ProtocolRequestMarshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/profile/path/AwsProfileFileLocationProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/auth/profile/internal/ProfileStaticCredentialsProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/FixedDelayBackoffStrategy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/ClientExecutionParams.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/AmazonWebServiceResult.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/ValueToStringConverters.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/DefaultAwsRegionProviderChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/SdkJsonMarshallerFactory.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/MarshallingType.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/AmazonWebServiceRequestAdapter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/QueryParamMarshallers.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonContent.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/client/ClientHandler.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/timers/client/SdkInterruptedException.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/OperationInfo.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/SdkJsonGenerator.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/InstanceMetadataRegionProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/v2/BackoffStrategy.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/profile/path/cred/CredentialsLegacyConfigLocationProvider.java
*
/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/regions/AwsRegionProviderChain.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/XMLWriter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/presign/PresignerFacade.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/DefaultValueSupplier.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/TimingInfoUnmodifiable.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/internal/JsonMarshaller.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/protocol/json/JsonOperationMetadata.java
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/**

* Interface for providing AWS region information. Implementations are free to use any strategy for
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*/

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/JodaTime.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/http/CompositeErrorCodeParser.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/http/ErrorCodeParser.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/DefaultAWSCredentialsProviderChain.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/EnvironmentVariableCredentialsProvider.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/ClasspathPropertiesFileCredentialsProvider.java

*

/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/SystemPropertiesCredentialsProvider.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DynamoDBBackoffStrategy.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/CustomBackoffStrategy.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/InstanceProfileCredentialsProvider.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/AwsHostNameUtils.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/CRC32MismatchException.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/IdleConnectionReaper.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/HandlerContextAware.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/EC2MetadataClient.java

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- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/BinaryUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Classes.java

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- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressTracker.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressInputStream.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkInputStream.java
- *
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/ProfilesConfigFileWriter.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/Platform.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/auth/profile/internal/ProfileProcessCredentialsProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/Profile.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/package-info.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/SDKProgressPublisher.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/FIFOCache.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/internal/AWS4SignerUtils.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkSSLSocket.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/DeliveryMode.java
- * /aws-java-sdk-core-1-11-555-sources-1-
- jar/com/amazonaws/auth/profile/internal/AbstractProfilesConfigFileScanner.java
- *
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/request/Progress.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/ProcessCredentialsProvider.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/BoundedLinkedHashMap.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/internal/SignerConstants.java
- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/http/UnreliableTestConfig.java
- * /aws-java-sdk-core-1-11-555-sources-1-

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jar/com/amazonaws/auth/profile/internal/securitytoken/STSPProfileCredentialsServiceProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/RequestProgressInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ResponseProgressInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/LengthCheckInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/SyncProgressListener.java
*
/ aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/auth/profile/internal/securitytoken/STSPProfileCredentialsServiceLoader.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/util/UnreliableFilterInputStream.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/SdkSocket.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/ProfileCredentialsProvider.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/Releasable.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/internal/BasicProfileConfigLoader.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/profile/ProfilesConfigFile.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/internal/AWS4SignerRequestParams.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/request/ProgressSupport.java
* /aws-java-sdk-core-1-11-555-sources-1-
jar/com/amazonaws/auth/profile/internal/securitytoken/ProfileCredentialsService.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/DelegateSSLSocket.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/event/ProgressEventFilter.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/internal/SignerKey.java
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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/ThreadSafe.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/Immutable.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/SdkInternalApi.java
*
/ aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/GuardedBy.java
* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/NotThreadSafe.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/SdkProtectedApi.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/annotation/Beta.java

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* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/ContainerCredentialsProvider.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/EndpointPrefixAwareSigner.java

* /aws-java-sdk-core-1-11-555-sources-1-

jar/com/amazonaws/retry/internal/CredentialsEndpointRetryParameters.java

*

/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/ConnectionUtils.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/CredentialsEndpointProvider.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/retry/internal/CredentialsEndpointRetryPolicy.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/EC2CredentialsFetcher.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/auth/ContainerCredentialsRetryPolicy.java

* /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/EC2CredentialsUtils.java

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- * /aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/SignerConfig.java

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/aws-java-sdk-core-1-11-555-sources-1-jar/com/amazonaws/internal/config/SignerConfigJsonHelper.java
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1.108 spring-boot 3.3.3

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Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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1.115 commons-dbcp 1.2.1

1.115.1 Available under license :

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 */
```

Found in path(s):

```
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolingDataSource.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/cpdsadapter/PooledConnectionImpl.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DriverManagerConnectionFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/AbandonedObjectPool.java
*
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/AbandonedConfig.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DataSourceConnectionFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DelegatingResultSet.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/BasicDataSourceFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DriverConnectionFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolablePreparedStatement.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/ConnectionFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/SQLNestedException.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/InstanceKeyObjectFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/jocl/ConstructorUtil.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/UserPassKey.java
*
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DelegatingStatement.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DbcpException.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DelegatingConnection.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/CPDSCONNECTIONFACTORY.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/jocl/JOCLContentHandler.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/BasicDataSource.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolableConnectionFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/PooledConnectionAndInfo.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/cpdsadapter/PoolablePreparedStatementStub.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/KeyedCPDSCONNECTIONFACTORY.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolableConnection.java
```

```

*
/commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/cpdsadapter/ConnectionImpl.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DelegatingCallableStatement.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/cpdsadapter/DriverAdapterCPDS.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolingDriver.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/PerUserPoolDataSourceFactory.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/PerUserPoolDataSource.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/PoolingConnection.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/PoolKey.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/AbandonedTrace.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/SharedPoolDataSource.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/SharedPoolDataSourceFactory.java
*
/commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/datasources/InstanceKeyDataSource.java
* /commons-dbc-1-2-1-sources-3-jar/org/apache/commons/dbcp/DelegatingPreparedStatement.java

```

1.116 bouncy-castle 1.80

1.116.1 Available under license :

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Found in path(s):

```
* /wscf11-4-17-7-final-redhat-4-jar/META-INF/maven/org.jboss.jbossts.xts/wscf11/effective-pom.xml
```

1.117 hibernate-commons-annotations

6.0.0.Final

1.117.1 Available under license :

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Version 2.1, February 1999

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Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.125 jackson-annotations 2.18.3

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers.

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1.126 aws java sdk for amazon route53

1.12.261

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Found in path(s):

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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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jar/com/amazonaws/services/secretsmanager/model/StopReplicationToReplicaResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/FilterJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/RestoreSecretRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/GetResourcePolicyRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicationStatusTypeJsonUnmarshaller.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ReplicateSecretToRegionsRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerAsync.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/PutSecretValueRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/GetRandomPasswordRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/UntagResourceResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/CreateSecretRequestMarshaller.java
*

```

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/aws-java-sdk-secretsmanager-1-12-261-sources-2-jar/com/amazonaws/services/secretsmanager/model/Filter.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/EncryptionFailureExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ResourceNotFoundException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/RemoveRegionsFromReplicationRequestProtocolMa
rshaller.java
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*
/aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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jar/com/amazonaws/services/secretsmanager/model/InvalidRequestException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageResultJsonUnmarshaller.ja
va
*
/aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/PutSecretValueResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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jar/com/amazonaws/services/secretsmanager/model/InvalidNextTokenException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/PutResourcePolicyRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/InvalidNextTokenExceptionUnmarshaller.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ValidateResourcePolicyRequest.java

```

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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/CreateSecretResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretVersionsListEntryJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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*
/ aws-java-sdk-secretsmanager-1-12-261-sources-2-
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jar/com/amazonaws/services/secretsmanager/model/transform/ReplicaRegionTypeJsonUnmarshaller.java
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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/ aws-java-sdk-secretsmanager-1-12-261-sources-2-
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aller.java
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jar/com/amazonaws/services/secretsmanager/model/SecretListEntry.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ListSecretsResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/DescribeSecretResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/UpdateSecretVersionStageResult.java
*

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/aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ListSecretVersionIdsRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/StopReplicationToReplicaRequest.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretListEntryMarshaller.java

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jar/com/amazonaws/services/secretsmanager/model/transform/UntagResourceRequestMarshaller.java
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/ aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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jar/com/amazonaws/services/secretsmanager/model/transform/ValidateResourcePolicyRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ListSecretVersionIdsResult.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/ReplicateSecretToRegionsResult.java

```



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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/RestoreSecretResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/DecryptionFailureExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/ResourceExistsExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/transform/RotateSecretRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/DeleteResourcePolicyResult.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-2-
jar/com/amazonaws/services/secretsmanager/model/GetResourcePolicyResult.java
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```

```

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WARRANTIES OR
* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
permissions
* and limitations under the License.
*/
/**
* <p>
* The unique identifier of the version of the secret to retrieve. If you include both this parameter and
* <code>VersionStage</code>, the two parameters must refer to the same secret version. If you don't specify
either
* a <code>VersionStage</code> or <code>VersionId</code>, then Secrets Manager returns the
<code>AWSCURRENT</code>
* version.
* </p>
* <p>
* This value is typically a <a href="https://wikipedia.org/wiki/Universally_unique_identifier">UUID-type</a>
value
* with 32 hexadecimal digits.
* </p>
*/

```

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-2-

jar/com/amazonaws/services/secretsmanager/model/GetSecretValueRequest.java

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* and limitations under the License.

*/

/**

* <p>

* The date and time that this version of the secret was created. If you don't specify which version in

* <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the

<code>AWSCURRENT</code>

* version.

* </p>

*/

/**

* <p>

* The date and time that this version of the secret was created. If you don't specify which version in

* <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the

<code>AWSCURRENT</code>

* version.

* </p>

*

* @param createdDate

* The date and time that this version of the secret was created. If you don't specify which version in

* <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the

<code>AWSCURRENT</code>

* version.

*/

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-2-

jar/com/amazonaws/services/secretsmanager/model/GetSecretValueResult.java

1.127 jmes path query library 1.12.261

1.127.1 Available under license :

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 * express or implied. See the License for the specific language governing
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 */
```

Found in path(s):

```
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathNotExpression.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathField.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathAndExpression.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathVisitor.java
*
/jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathContainsFunction.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpGreaterThan.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/InvalidTypeException.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathIdentity.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathValueProjection.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/CamelCaseUtils.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/Comparator.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathLiteral.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/ObjectMapperSingleton.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpLessThan.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathFlatten.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathProjection.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathSubExpression.java
*
/jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpGreaterThanOrEqualTo.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpLessThanOrEqualTo.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathMultiSelectList.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathFilter.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpNotEquals.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/NumericComparator.java
```

* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathExpression.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathEvaluationVisitor.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/OpEquals.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathFunction.java
* /jmespath-java-1-12-261-java-jar/com/amazonaws/jmespath/JmesPathLengthFunction.java
No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):

* /jmespath-java-1-12-261-java-jar/META-INF/maven/com.amazonaws/jmespath-java/pom.xml

1.128 aws java sdk for amazon ec2 1.12.261

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 * WARRANTIES OR  
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing  
 * permissions  
 * and limitations under the License.  
 */
```

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-
jar/com/amazonaws/services/secretsmanager/model/transform/UntagResourceRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-
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*
/aws-java-sdk-secretsmanager-1-12-261-sources-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretVersionsListEntryMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-
jar/com/amazonaws/services/secretsmanager/model/transform/CreateSecretRequestProtocolMarshaller.java

```

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* CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
permissions
* and limitations under the License.
*/
/**
* <p>
* The unique identifier of the version of the secret to retrieve. If you include both this parameter and
* <code>VersionStage</code>, the two parameters must refer to the same secret version. If you don't specify
either
* a <code>VersionStage</code> or <code>VersionId</code>, then Secrets Manager returns the
<code>AWSCURRENT</code>
* version.
* </p>
* <p>

```

* This value is typically a [UUID-type](https://wikipedia.org/wiki/Universally_unique_identifier) value
* with 32 hexadecimal digits.
* </p>
*/

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-jar/com/amazonaws/services/secretsmanager/model/GetSecretValueRequest.java
No license file was found, but licenses were detected in source scan.

```
/*
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 * WARRANTIES OR
 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
 * permissions
 * and limitations under the License.
 */
/**
 * <p>
 * The date and time that this version of the secret was created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
 * </p>
 */
/**
 * <p>
 * The date and time that this version of the secret was
 * created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
 * </p>
 *
 * @param createdDate
 * The date and time that this version of the secret was created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
```

*/

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-jar/com/amazonaws/services/secretsmanager/model/GetSecretValueResult.java

1.129 aws java sdk for amazon ses 1.12.261

1.129.1 Available under license :

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

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* and limitations under the License.

*/

/**

* <p>

* The unique identifier of the version of the secret to retrieve. If you include both this parameter and

* <code>VersionStage</code>, the two parameters must refer to the same secret version. If you don't specify either

* a <code>VersionStage</code> or <code>VersionId</code>, then Secrets Manager returns the <code>AWSCURRENT</code>

* version.

* </p>

* <p>

* This value is typically a UUID-type value

* with 32 hexadecimal digits.

* </p>

*/

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-jar/com/amazonaws/services/secretsmanager/model/GetSecretValueRequest.java

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

```
/*
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 *
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance
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 * the License. A copy of the License is located at
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 * CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
 * permissions
 * and limitations under the License.
 */
```

```
/**
 * <p>
 * The date and time that this version of the secret was created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
 * </p>
 */
```

```
/**
 * <p>
 * The date and time that this version of the secret was
 * created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
 * </p>
 *
 * @param createdDate
 * The date and time that this version of the secret was created. If you don't specify which version in
 * <code>VersionId</code> or <code>VersionStage</code>, then Secrets Manager uses the
 * <code>AWSCURRENT</code>
 * version.
 */
```

Found in path(s):

```
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/GetSecretValueResult.java
No license file was found, but licenses were detected in source scan.
```

```
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```

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*/

Found in path(s):

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/RotateSecretRequestProtocolMarshaller.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/ReplicateSecretToRegionsResultJsonUnmarshaller.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/GetRandomPasswordRequest.java

*

/aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/StopReplicationToReplicaRequest.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/ReplicaRegionTypeJsonUnmarshaller.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/ValidateResourcePolicyRequestProtocolMarshaller.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/ReplicationStatusType.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/RotateSecretResult.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/RemoveRegionsFromReplicationResultJsonUnmarshaller.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/transform/MalformedPolicyDocumentExceptionUnmarshaller.java

*

/aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/ListSecretsResult.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/DeleteSecretRequest.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/RestoreSecretRequest.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-

jar/com/amazonaws/services/secretsmanager/model/ReplicateSecretToRegionsRequest.java

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-


```

jar/com/amazonaws/services/secretsmanager/model/RotateSecretRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/InvalidRequestException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/InvalidNextTokenException.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/TagResourceRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretListEntryJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ListSecretVersionIdsRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DescribeSecretRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/TagMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CreateSecretRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RotateSecretResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ValidationErrorsEntry.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DeleteResourcePolicyResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UntagResourceResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretVersionsListEntryMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutResourcePolicyResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicationStatusTypeMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DeleteSecretRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetRandomPasswordRequestProtocolMarshaller.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/EncryptionFailureExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/FilterJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/LimitExceededExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UntagResourceRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretRequestProtocolMarshaller.java

```

```

* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/RestoreSecretResult.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/FilterNameStringType.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/InvalidParameterException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PublicPolicyExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/InternalServiceErrorException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetResourcePolicyRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetSecretValueRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ValidationErrorsEntryMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DeleteSecretResult.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ValidateResourcePolicyResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutResourcePolicyRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ReplicateSecretToRegionsResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UpdateSecretVersionStageRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CreateSecretRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DescribeSecretResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/MalformedPolicyDocumentException.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/StopReplicationToReplicaRequestProtocolMarshaller
.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ValidateResourcePolicyResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetSecretValueRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ResourceExistsException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DescribeSecretRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/InvalidNextTokenExceptionUnmarshaller.java

```

```

*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CancelRotateSecretRequestProtocolMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ValidateResourcePolicyRequestMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DeleteResourcePolicyResult.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AbstractAWSSecretsManager.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretsResultJsonUnmarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RestoreSecretRequestMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicationStatusTypeJsonUnmarshaller.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetRandomPasswordResultJsonUnmarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageRequestProtocolMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/TagJsonUnmarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutResourcePolicyRequestMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ListSecretVersionIdsResult.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/InternalServiceErrorExceptionUnmarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RestoreSecretResultJsonUnmarshaller.java
*
/ aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretRequestMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DecryptionFailureException.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetResourcePolicyResultJsonUnmarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerAsyncClientBuilder.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UpdateSecretVersionStageResult.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RemoveRegionsFromReplicationRequestMarshaller.java
* / aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretResultJsonUnmarshaller.java
*

```

```

/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/StatusType.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-jar/com/amazonaws/services/secretsmanager/package-info.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CreateSecretResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutSecretValueRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RemoveRegionsFromReplicationRequestProtocolMa
rshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretVersionIdsRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerClientBuilder.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/StopReplicationToReplicaResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicateSecretToRegionsRequestProtocolMarshaller
.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AbstractAWSSecretsManagerAsync.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UntagResourceRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetSecretValueResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerAsync.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/GetResourcePolicyResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DeleteResourcePolicyRequestMarshaller.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretVersionIdsRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PublicPolicyException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ValidateResourcePolicyRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UntagResourceRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/StopReplicationToReplicaRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/StopReplicationToReplicaResultJsonUnmarshaller.ja
va
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-jar/com/amazonaws/services/secretsmanager/model/Tag.java
*

```

```

/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/GetResourcePolicyRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutSecretValueRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/CancelRotateSecretRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/LimitExceededException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CancelRotateSecretRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UntagResourceResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/SecretVersionsListEntry.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PutResourcePolicyRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ResourceExistsExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/CreateSecretResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DescribeSecretResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UpdateSecretResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/TagResourceRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/UpdateSecretRequest.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
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* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/CreateSecretRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/InvalidRequestExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ResourceNotFoundException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ListSecretsRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretsRequestProtocolMarshaller.java
*

```

```

/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RotationRulesTypeMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretListEntryMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/SecretVersionsListEntryJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-jar/com/amazonaws/services/secretsmanager/model/Filter.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PreconditionNotMetExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/SortOrderType.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/FilterMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ResourceNotFoundExceptionUnmarshaller.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/InvalidParameterExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretsRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DecryptionFailureExceptionUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetResourcePolicyRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RotationRulesTypeJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/GetRandomPasswordResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/DeleteResourcePolicyRequest.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DeleteResourcePolicyRequestProtocolMarshaller.java
a
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/EncryptionFailureException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/TagResourceRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PutSecretValueRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/TagResourceResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RotateSecretRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PreconditionNotMetException.java
*

```

```

/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/RemoveRegionsFromReplicationRequest.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerClient.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PutResourcePolicyResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/PutSecretValueResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/TagResourceResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicateSecretToRegionsRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/ReplicaRegionType.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/PutSecretValueResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/CancelRotateSecretResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/RotationRulesType.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ReplicaRegionTypeMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/AWSSecretsManagerAsyncClient.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/SecretListEntry.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/GetRandomPasswordRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/RestoreSecretRequestProtocolMarshaller.java
*
/aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageResultJsonUnmarshaller.java
va
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DeleteSecretRequestProtocolMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/AWSSecretsManagerException.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/ListSecretVersionIdsResultJsonUnmarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/RemoveRegionsFromReplicationResult.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/UpdateSecretVersionStageRequestMarshaller.java
* /aws-java-sdk-secretsmanager-1-12-261-sources-1-
jar/com/amazonaws/services/secretsmanager/model/transform/DescribeSecretRequestMarshaller.java
*

```

1.130 apache calcite avatica 1.22.0

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1.131 mongo-java-driver 5.5.0

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```

Found in path(s):

- * /mongodb-driver-core-5-5-0-jar/META-INF/native-image/native-image.properties

1.132 bson record codec 5.5.0

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 */
```

Found in path(s):

- * /bson-record-codec-5-5-0-sources-jar/org/bson/codecs/record/RecordCodecProvider.java
- * /bson-record-codec-5-5-0-sources-jar/org/bson/codecs/record/package-info.java
- * /bson-record-codec-5-5-0-sources-jar/org/bson/codecs/record/RecordCodec.java

1.133 apache-commons-vfs 2.0

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1.134 jedis v3.1.0

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```
public static int getSlot(String key) {  
public static int getSlot(byte[] key) {
```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/util/JedisClusterCRC16.java

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```
package redis.clients.jedis.commands;
```

```
import java.util.List;
```

```
import redis.clients.jedis.ClusterReset;
```

```

public interface ClusterCommands {
    String clusterNodes();

    String clusterMeet(String ip, int port);

    String clusterAddSlots(int... slots);

    String clusterDelSlots(int... slots);

    String clusterInfo();

    List<String> clusterGetKeysInSlot(int slot, int count);

    String clusterSetSlotNode(int slot, String nodeId);

    String clusterSetSlotMigrating(int slot, String nodeId);

    String clusterSetSlotImporting(int slot, String nodeId);

    String clusterSetSlotStable(int slot);

    String clusterForget(String nodeId);

    String clusterFlushSlots();

    Long clusterKeySlot(String key);

    Long clusterCountKeysInSlot(int slot);

    String clusterSaveConfig();

    String clusterReplicate(String nodeId);

    List<String> clusterSlaves(String nodeId);

    String clusterFailover();

    List<Object> clusterSlots();

    String
    clusterReset(ClusterReset resetType);

    String readonly();
}

```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/commands/ClusterCommands.java

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```
package redis.clients.jedis.commands;

import redis.clients.jedis.Response;

import java.util.List;

public interface ClusterPipeline {
    Response<String> clusterNodes();

    Response<String> clusterMeet(String ip, int port);

    Response<String> clusterAddSlots(int... slots);

    Response<String> clusterDelSlots(int... slots);

    Response<String> clusterInfo();

    Response<List<String>> clusterGetKeysInSlot(int slot, int count);

    Response<String> clusterSetSlotNode(int slot, String nodeId);

    Response<String> clusterSetSlotMigrating(int slot, String nodeId);

    Response<String> clusterSetSlotImporting(int slot, String nodeId);
}
```

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* /jedis-3-1-0-sources-jar/redis/clients/jedis/commands/ClusterPipeline.java

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```
package redis.clients.jedis;

import static redis.clients.jedis.Protocol.toByteArray;

import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Map.Entry;

import javax.net.ssl.HostnameVerifier;
import javax.net.ssl.SSLParameters;
import javax.net.ssl.SSLSocketFactory;

import redis.clients.jedis.commands.Commands;
import redis.clients.jedis.params.GeoRadiusParam;
```

```

import redis.clients.jedis.params.MigrateParams;
import redis.clients.jedis.params.SetParams;
import redis.clients.jedis.params.ZAddParams;
import redis.clients.jedis.params.ZIncrByParams;
import redis.clients.jedis.util.SafeEncoder;

public class Client extends BinaryClient implements Commands {

    public Client() {
        super();
    }

    public Client(final String host) {
        super(host);
    }

    public Client(final String host, final int port) {
        super(host, port);
    }

    public Client(final String
        host, final int port, final boolean ssl) {
        super(host, port, ssl);
    }

    public Client(final String host, final int port, final boolean ssl,
        final SSLSocketFactory sslSocketFactory, final SSLParameters sslParameters,
        final HostnameVerifier hostnameVerifier) {
        super(host, port, ssl, sslSocketFactory, sslParameters, hostnameVerifier);
    }

    @Override
    public void ping(final String message) {
        ping(SafeEncoder.encode(message));
    }

    @Override
    public void set(final String key, final String value) {
        set(SafeEncoder.encode(key), SafeEncoder.encode(value));
    }

    @Override
    public void set(final String key, final String value, final SetParams params) {
        set(SafeEncoder.encode(key), SafeEncoder.encode(value), params);
    }

    @Override
    public void get(final String key) {

```

```

    get(SafeEncoder.encode(key));
}

@Override
public void exists(final String... keys) {
    exists(SafeEncoder.encodeMany(keys));
}

@Override
public void del(final String...
keys) {
    del(SafeEncoder.encodeMany(keys));
}

@Override
public void unlink(final String... keys) {
    unlink(SafeEncoder.encodeMany(keys));
}

@Override
public void type(final String key) {
    type(SafeEncoder.encode(key));
}

@Override
public void keys(final String pattern) {
    keys(SafeEncoder.encode(pattern));
}

@Override
public void rename(final String oldkey, final String newkey) {
    rename(SafeEncoder.encode(oldkey), SafeEncoder.encode(newkey));
}

@Override
public void renamenx(final String oldkey, final String newkey) {
    renamenx(SafeEncoder.encode(oldkey), SafeEncoder.encode(newkey));
}

@Override
public void expire(final String key, final int seconds) {
    expire(SafeEncoder.encode(key), seconds);
}

@Override
public void expireAt(final String key, final long unixTime) {
    expireAt(SafeEncoder.encode(key), unixTime);
}

```

```
@Override
public void ttl(final String key) {
    ttl(SafeEncoder.encode(key));
}
```

```
@Override
public void touch(final String... keys) {
    touch(SafeEncoder.encodeMany(keys));
}
```

```
@Override
public void move(final String key, final int dbIndex) {
    move(SafeEncoder.encode(key), dbIndex);
}
```

```
@Override
public void getSet(final String key, final String value) {
    getSet(SafeEncoder.encode(key), SafeEncoder.encode(value));
}
```

```
@Override
public void mget(final String... keys) {
    mget(SafeEncoder.encodeMany(keys));
}
```

```
@Override
public void setnx(final String key, final String value) {
    setnx(SafeEncoder.encode(key), SafeEncoder.encode(value));
}
```

```
@Override
public void setex(final String key, final int seconds, final String value) {
    setex(SafeEncoder.encode(key), seconds, SafeEncoder.encode(value));
}
```

```
@Override
public void mset(final String... keyvalues) {
    mset(SafeEncoder.encodeMany(keyvalues));
}
```

```
@Override
public void msetnx(final String... keyvalues) {
    msetnx(SafeEncoder.encodeMany(keyvalues));
}
```

```
@Override
public void decrBy(final String key, final long decrement) {
    decrBy(SafeEncoder.encode(key), decrement);
}
```

```
@Override
public void decr(final String key) {
    decr(SafeEncoder.encode(key));
}
```

```
@Override
public void incrBy(final String key, final long increment) {
    incrBy(SafeEncoder.encode(key), increment);
}
```

```
@Override
public void incr(final String key) {
    incr(SafeEncoder.encode(key));
}
```

```
@Override
public void append(final String key, final String value) {
    append(SafeEncoder.encode(key), SafeEncoder.encode(value));
}
```

```
@Override
public void substr(final String key, final int start, final int end) {
    substr(SafeEncoder.encode(key), start, end);
}
```

```
@Override
public void hset(final String key, final String field, final String value) {
    hset(SafeEncoder.encode(key), SafeEncoder.encode(field), SafeEncoder.encode(value));
}
```

```
@Override
public void hset(final String key, final Map<String, String> hash) {
    final Map<byte[], byte[]>
    bhash = new HashMap<byte[], byte[]>(hash.size());
    for (final Entry<String, String> entry : hash.entrySet()) {
        bhash.put(SafeEncoder.encode(entry.getKey()), SafeEncoder.encode(entry.getValue()));
    }
    hset(SafeEncoder.encode(key), bhash);
}
```

```
@Override
public void hget(final String key, final String field) {
    hget(SafeEncoder.encode(key), SafeEncoder.encode(field));
}
```

```

}

@Override
public void hsetnx(final String key, final String field, final String value) {
    hsetnx(SafeEncoder.encode(key), SafeEncoder.encode(field), SafeEncoder.encode(value));
}

@Override
public void hmset(final String key, final Map<String, String> hash) {
    final Map<byte[], byte[]> bhash = new HashMap<byte[], byte[]>(hash.size());
    for (final Entry<String, String> entry : hash.entrySet()) {
        bhash.put(SafeEncoder.encode(entry.getKey()), SafeEncoder.encode(entry.getValue()));
    }
    hmset(SafeEncoder.encode(key), bhash);
}

@Override
public void hmget(final
String key, final String... fields) {
    hmget(SafeEncoder.encode(key), SafeEncoder.encodeMany(fields));
}

@Override
public void hincrBy(final String key, final String field, final long value) {
    hincrBy(SafeEncoder.encode(key), SafeEncoder.encode(field), value);
}

@Override
public void hexists(final String key, final String field) {
    hexists(SafeEncoder.encode(key), SafeEncoder.encode(field));
}

@Override
public void hdel(final String key, final String... fields) {
    hdel(SafeEncoder.encode(key), SafeEncoder.encodeMany(fields));
}

@Override
public void hlen(final String key) {
    hlen(SafeEncoder.encode(key));
}

@Override
public void hkeys(final String key) {
    hkeys(SafeEncoder.encode(key));
}

@Override

```



```

public void hvals(final String key) {
    hvals(SafeEncoder.encode(key));
}

@Override
public void hgetAll(final String key) {
    hgetAll(SafeEncoder.encode(key));
}

@Override
public void rpush(final String
key, final String... string) {
    rpush(SafeEncoder.encode(key), SafeEncoder.encodeMany(string));
}

@Override
public void lpush(final String key, final String... string) {
    lpush(SafeEncoder.encode(key), SafeEncoder.encodeMany(string));
}

@Override
public void llen(final String key) {
    llen(SafeEncoder.encode(key));
}

@Override
public void lrange(final String key, final long start, final long stop) {
    lrange(SafeEncoder.encode(key), start, stop);
}

@Override
public void ltrim(final String key, final long start, final long stop) {
    ltrim(SafeEncoder.encode(key), start, stop);
}

@Override
public void lindex(final String key, final long index) {
    lindex(SafeEncoder.encode(key), index);
}

@Override
public void lset(final String key, final long index, final String value) {
    lset(SafeEncoder.encode(key), index, SafeEncoder.encode(value));
}

@Override
public void lrem(final String key, final long count, final String value) {

```

```

        lrem(SafeEncoder.encode(key), count, SafeEncoder.encode(value));
    }

    @Override
    public void lpop(final String key) {
        lpop(SafeEncoder.encode(key));
    }

    @Override
    public void rpop(final String key) {
        rpop(SafeEncoder.encode(key));
    }

    @Override
    public void rpoplpush(final String srckey, final String dstkey) {
        rpoplpush(SafeEncoder.encode(srckey), SafeEncoder.encode(dstkey));
    }

    @Override
    public void sadd(final String key, final String... members) {
        sadd(SafeEncoder.encode(key), SafeEncoder.encodeMany(members));
    }

    @Override
    public void smembers(final String key) {
        smembers(SafeEncoder.encode(key));
    }

    @Override
    public void srem(final String key, final String... members) {
        srem(SafeEncoder.encode(key), SafeEncoder.encodeMany(members));
    }

    @Override
    public void spop(final String key) {
        spop(SafeEncoder.encode(key));
    }

    @Override
    public void spop(final String key, final long count) {
        spop(SafeEncoder.encode(key),
            count);
    }

    @Override
    public void smove(final String srckey, final String dstkey, final String member) {
        smove(SafeEncoder.encode(srckey), SafeEncoder.encode(dstkey), SafeEncoder.encode(member));
    }

```

```

@Override
public void scard(final String key) {
    scard(SafeEncoder.encode(key));
}

@Override
public void sismember(final String key, final String member) {
    sismember(SafeEncoder.encode(key), SafeEncoder.encode(member));
}

@Override
public void sinter(final String... keys) {
    sinter(SafeEncoder.encodeMany(keys));
}

@Override
public void sinterstore(final String dstkey, final String... keys) {
    sinterstore(SafeEncoder.encode(dstkey), SafeEncoder.encodeMany(keys));
}

@Override
public void sunion(final String... keys) {
    sunion(SafeEncoder.encodeMany(keys));
}

@Override
public void sunionstore(final String dstkey, final String... keys) {
    sunionstore(SafeEncoder.encode(dstkey), SafeEncoder.encodeMany(keys));
}

@Override
public void sdiff(final String... keys) {
    sdiff(SafeEncoder.encodeMany(keys));
}

@Override
public void sdiffstore(final String dstkey, final String... keys) {
    sdiffstore(SafeEncoder.encode(dstkey), SafeEncoder.encodeMany(keys));
}

@Override
public void srandmember(final String key) {
    srandmember(SafeEncoder.encode(key));
}

@Override
public void zadd(final String key, final double score, final String member) {

```

```

    zadd(SafeEncoder.encode(key), score, SafeEncoder.encode(member));
}

@Override
public void zadd(final String key, final double score, final String member,
    final ZAddParams params) {
    zadd(SafeEncoder.encode(key), score, SafeEncoder.encode(member), params);
}

@Override
public void zadd(final String key, final Map<String, Double> scoreMembers) {
    HashMap<byte[], Double> binaryScoreMembers = convertScoreMembersToBinary(scoreMembers);
    zadd(SafeEncoder.encode(key), binaryScoreMembers);
}

@Override
public void
zadd(final String key, final Map<String, Double> scoreMembers, final ZAddParams params) {
    HashMap<byte[], Double> binaryScoreMembers = convertScoreMembersToBinary(scoreMembers);
    zadd(SafeEncoder.encode(key), binaryScoreMembers, params);
}

@Override
public void zrange(final String key, final long start, final long stop) {
    zrange(SafeEncoder.encode(key), start, stop);
}

@Override
public void zrem(final String key, final String... members) {
    zrem(SafeEncoder.encode(key), SafeEncoder.encodeMany(members));
}

@Override
public void zincrby(final String key, final double increment, final String member) {
    zincrby(SafeEncoder.encode(key), increment, SafeEncoder.encode(member));
}

@Override
public void zincrby(final String key, final double increment, final String member, final ZIncrByParams params) {
    zincrby(SafeEncoder.encode(key), increment, SafeEncoder.encode(member), params);
}

@Override
public void zrank(final String key, final String
member) {
    zrank(SafeEncoder.encode(key), SafeEncoder.encode(member));
}

```

```

@Override
public void zrevrank(final String key, final String member) {
    zrevrank(SafeEncoder.encode(key), SafeEncoder.encode(member));
}

@Override
public void zrange(final String key, final long start, final long stop) {
    zrange(SafeEncoder.encode(key), start, stop);
}

@Override
public void zrangeWithScores(final String key, final long start, final long stop) {
    zrangeWithScores(SafeEncoder.encode(key), start, stop);
}

@Override
public void zrevrangeWithScores(final String key, final long start, final long stop) {
    zrevrangeWithScores(SafeEncoder.encode(key), start, stop);
}

@Override
public void zcard(final String key) {
    zcard(SafeEncoder.encode(key));
}

@Override
public void zscore(final String key, final String member) {
    zscore(SafeEncoder.encode(key), SafeEncoder.encode(member));
}

@Override
public void watch(final String... keys)
{
    watch(SafeEncoder.encodeMany(keys));
}

@Override
public void sort(final String key) {
    sort(SafeEncoder.encode(key));
}

@Override
public void sort(final String key, final SortingParams sortingParameters) {
    sort(SafeEncoder.encode(key), sortingParameters);
}

@Override
public void blpop(final String[] args) {

```

```

    blpop(SafeEncoder.encodeMany(args));
}

```

```

public void blpop(final int timeout, final String... keys) {
    final int size = keys.length + 1;
    List<String> args = new ArrayList<String>(size);
    for (String arg : keys) {
        args.add(arg);
    }
    args.add(String.valueOf(timeout));
    blpop(args.toArray(new String[size]));
}

```

```

@Override
public void sort(final String key, final SortingParams sortingParameters, final String dstkey) {
    sort(SafeEncoder.encode(key), sortingParameters, SafeEncoder.encode(dstkey));
}

```

```

@Override
public void sort(final String key, final String dstkey) {
    sort(SafeEncoder.encode(key), SafeEncoder.encode(dstkey));
}

```

```

@Override
public void brpop(final String[] args) {
    brpop(SafeEncoder.encodeMany(args));
}

```

```

public void brpop(final int timeout, final String... keys) {
    final int size = keys.length + 1;
    List<String> args = new ArrayList<String>(size);
    for (String arg : keys) {
        args.add(arg);
    }
    args.add(String.valueOf(timeout));
    brpop(args.toArray(new String[size]));
}

```

```

@Override
public void zcount(final String key, final double min, final double max) {
    zcount(SafeEncoder.encode(key), toByteArray(min), toByteArray(max));
}

```

```

@Override
public void zcount(final String key, final String min, final String max) {
    zcount(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max));
}

```

```
@Override
public void zrangeByScore(final String key, final double min, final double max) {
    zrangeByScore(SafeEncoder.encode(key), toByteArray(min), toByteArray(max));
}
```

```
@Override
public void zrangeByScore(final
String key, final String min, final String max) {
    zrangeByScore(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max));
}
```

```
@Override
public void zrangeByScore(final String key, final double min, final double max, final int offset,
    final int count) {
    zrangeByScore(SafeEncoder.encode(key), toByteArray(min), toByteArray(max), offset, count);
}
```

```
@Override
public void zrangeByScoreWithScores(final String key, final double min, final double max) {
    zrangeByScoreWithScores(SafeEncoder.encode(key), toByteArray(min), toByteArray(max));
}
```

```
@Override
public void zrangeByScoreWithScores(final String key, final double min, final double max,
    final int offset, final int count) {
    zrangeByScoreWithScores(SafeEncoder.encode(key), toByteArray(min), toByteArray(max), offset,
    count);
}
```

```
@Override
public void zrevrangeByScore(final String key, final double max, final double min) {
    zrevrangeByScore(SafeEncoder.encode(key), toByteArray(max),
toByteArray(min));
}
```

```
@Override
public void zrangeByScore(final String key, final String min, final String max, final int offset,
    final int count) {
    zrangeByScore(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max),
    offset, count);
}
```

```
@Override
public void zrangeByScoreWithScores(final String key, final String min, final String max) {
    zrangeByScoreWithScores(SafeEncoder.encode(key), SafeEncoder.encode(min),
    SafeEncoder.encode(max));
}
```

```

@Override
public void zrangeByScoreWithScores(final String key, final String min, final String max,
    final int offset, final int count) {
    zrangeByScoreWithScores(SafeEncoder.encode(key), SafeEncoder.encode(min),
        SafeEncoder.encode(max), offset, count);
}

@Override
public void zrevrangeByScore(final String key, final String max, final String min) {
    zrevrangeByScore(SafeEncoder.encode(key), SafeEncoder.encode(max), SafeEncoder.encode(min));
}

@Override
public void zrevrangeByScore(final String key, final double max, final double min,
    final int offset, final int count) {
    zrevrangeByScore(SafeEncoder.encode(key), toByteArray(max), toByteArray(min), offset, count);
}

@Override
public void zrevrangeByScore(final String key, final String max, final String min,
    final int offset, final int count) {
    zrevrangeByScore(SafeEncoder.encode(key), SafeEncoder.encode(max), SafeEncoder.encode(min),
        offset, count);
}

@Override
public void zrevrangeByScoreWithScores(final String key, final double max, final double min) {
    zrevrangeByScoreWithScores(SafeEncoder.encode(key), toByteArray(max), toByteArray(min));
}

@Override
public void zrevrangeByScoreWithScores(final String key, final String max, final String min) {
    zrevrangeByScoreWithScores(SafeEncoder.encode(key), SafeEncoder.encode(max),
        SafeEncoder.encode(min));
}

@Override
public void zrevrangeByScoreWithScores(final String
key, final double max, final double min,
    final int offset, final int count) {
    zrevrangeByScoreWithScores(SafeEncoder.encode(key), toByteArray(max), toByteArray(min), offset,
        count);
}

@Override
public void zrevrangeByScoreWithScores(final String key, final String max, final String min,
    final int offset, final int count) {
    zrevrangeByScoreWithScores(SafeEncoder.encode(key), SafeEncoder.encode(max),

```



```

        SafeEncoder.encode(min), offset, count);
    }

    @Override
    public void zremrangeByRank(final String key, final long start, final long stop) {
        zremrangeByRank(SafeEncoder.encode(key), start, stop);
    }

    @Override
    public void zremrangeByScore(final String key, final double min, final double max) {
        zremrangeByScore(SafeEncoder.encode(key), toByteArray(min), toByteArray(max));
    }

    @Override
    public void zremrangeByScore(final String key, final String min, final String max) {
        zremrangeByScore(SafeEncoder.encode(key), SafeEncoder.encode(min),
        SafeEncoder.encode(max));
    }

    @Override
    public void zunionstore(final String dstkey, final String... sets) {
        zunionstore(SafeEncoder.encode(dstkey), SafeEncoder.encodeMany(sets));
    }

    @Override
    public void zunionstore(final String dstkey, final ZParams params, final String... sets) {
        zunionstore(SafeEncoder.encode(dstkey), params, SafeEncoder.encodeMany(sets));
    }

    @Override
    public void zinterstore(final String dstkey, final String... sets) {
        zinterstore(SafeEncoder.encode(dstkey), SafeEncoder.encodeMany(sets));
    }

    @Override
    public void zinterstore(final String dstkey, final ZParams params, final String... sets) {
        zinterstore(SafeEncoder.encode(dstkey), params, SafeEncoder.encodeMany(sets));
    }

    public void zlexcount(final String key, final String min, final String max) {
        zlexcount(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max));
    }

    public void zrangeByLex(final String key, final String min, final String max)
    {
        zrangeByLex(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max));
    }

```

```

public void zrangeByLex(final String key, final String min, final String max, final int offset,
    final int count) {
    zrangeByLex(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max), offset,
        count);
}

public void zrevrangeByLex(final String key, final String max, final String min) {
    zrevrangeByLex(SafeEncoder.encode(key), SafeEncoder.encode(max), SafeEncoder.encode(min));
}

public void zrevrangeByLex(final String key, final String max, final String min, final int offset, final int count) {
    zrevrangeByLex(SafeEncoder.encode(key), SafeEncoder.encode(max), SafeEncoder.encode(min),
        offset, count);
}

public void zremrangeByLex(final String key, final String min, final String max) {
    zremrangeByLex(SafeEncoder.encode(key), SafeEncoder.encode(min), SafeEncoder.encode(max));
}

@Override
public void strlen(final String
key) {
    strlen(SafeEncoder.encode(key));
}

@Override
public void lpushx(final String key, final String... string) {
    lpushx(SafeEncoder.encode(key), SafeEncoder.encodeMany(string));
}

@Override
public void persist(final String key) {
    persist(SafeEncoder.encode(key));
}

@Override
public void rpushx(final String key, final String... string) {
    rpushx(SafeEncoder.encode(key), SafeEncoder.encodeMany(string));
}

@Override
public void echo(final String string) {
    echo(SafeEncoder.encode(string));
}

@Override
public void linsert(final String key, final ListPosition where, final String pivot,
    final String value) {

```

```

        insert(SafeEncoder.encode(key), where, SafeEncoder.encode(pivot), SafeEncoder.encode(value));
    }

    @Override
    public void brpoplpush(final String source, final String destination, final int timeout) {
        brpoplpush(SafeEncoder.encode(source), SafeEncoder.encode(destination), timeout);
    }

    @Override
    public void setbit(final
String key, final long offset, final boolean value) {
        setbit(SafeEncoder.encode(key), offset, value);
    }

    @Override
    public void setbit(final String key, final long offset, final String value) {
        setbit(SafeEncoder.encode(key), offset, SafeEncoder.encode(value));
    }

    @Override
    public void getbit(final String key, final long offset) {
        getbit(SafeEncoder.encode(key), offset);
    }

    public void bitpos(final String key, final boolean value, final BitPosParams params) {
        bitpos(SafeEncoder.encode(key), value, params);
    }

    @Override
    public void setrange(final String key, final long offset, final String value) {
        setrange(SafeEncoder.encode(key), offset, SafeEncoder.encode(value));
    }

    @Override
    public void getrange(final String key, final long startOffset, final long endOffset) {
        getrange(SafeEncoder.encode(key), startOffset, endOffset);
    }

    public void publish(final String channel, final String message) {
        publish(SafeEncoder.encode(channel),
SafeEncoder.encode(message));
    }

    public void unsubscribe(final String... channels) {
        unsubscribe(SafeEncoder.encodeMany(channels));
    }

    public void psubscribe(final String... patterns) {

```

```

    unsubscribe(SafeEncoder.encodeMany(patterns));
}

public void punsubscribe(final String... patterns) {
    punsubscribe(SafeEncoder.encodeMany(patterns));
}

public void subscribe(final String... channels) {
    subscribe(SafeEncoder.encodeMany(channels));
}

public void pubsubChannels(final String pattern) {
    pubsub(Protocol.PUBSUB_CHANNELS, pattern);
}

public void pubsubNumPat() {
    pubsub(Protocol.PUBSUB_NUM_PAT);
}

public void pubsubNumSub(final String... channels) {
    pubsub(Protocol.PUBSUB_NUMSUB, channels);
}

@Override
public void configSet(final String parameter, final String value) {
    configSet(SafeEncoder.encode(parameter), SafeEncoder.encode(value));
}

@Override
public void configGet(final String pattern) {
    configGet(SafeEncoder.encode(pattern));
}

public void eval(final String script, final int keyCount, final String... params) {
    eval(SafeEncoder.encode(script), toByteArray(keyCount), SafeEncoder.encodeMany(params));
}

public void evalsha(final String sha1, final int keyCount, final String... params) {
    evalsha(SafeEncoder.encode(sha1), toByteArray(keyCount), SafeEncoder.encodeMany(params));
}

public void scriptExists(final String... sha1) {
    scriptExists(SafeEncoder.encodeMany(sha1));
}

public void scriptLoad(final String script) {
    scriptLoad(SafeEncoder.encode(script));
}

```

```

@Override
public void objectRefcount(final String key) {
    objectRefcount(SafeEncoder.encode(key));
}

@Override
public void objectIdletime(final String key) {
    objectIdletime(SafeEncoder.encode(key));
}

@Override
public void objectEncoding(final String key) {
    objectEncoding(SafeEncoder.encode(key));
}

@Override
public void bitcount(final String key) {
    bitcount(SafeEncoder.encode(key));
}

@Override
public void bitcount(final String key, final long start, final long end) {
    bitcount(SafeEncoder.encode(key), start, end);
}

@Override
public void bitop(final BitOP op, final String destKey, final String... srcKeys) {
    bitop(op, SafeEncoder.encode(destKey), SafeEncoder.encodeMany(srcKeys));
}

public void sentinel(final String... args) {
    sentinel(SafeEncoder.encodeMany(args));
}

@Override
public void dump(final String key) {
    dump(SafeEncoder.encode(key));
}

@Override
public void restore(final String key, final int ttl, final byte[] serializedValue) {
    restore(SafeEncoder.encode(key), ttl, serializedValue);
}

@Override
public void restoreReplace(final String key, final int ttl, final byte[] serializedValue) {
    restoreReplace(SafeEncoder.encode(key), ttl, serializedValue);
}

```

```

}

public void pexpire(final String key, final long milliseconds) {
    pexpire(SafeEncoder.encode(key), milliseconds);
}

public void pexpireAt(final String key, final long millisecondsTimestamp) {
    pexpireAt(SafeEncoder.encode(key), millisecondsTimestamp);
}

@Override
public void pttl(final String key) {
    pttl(SafeEncoder.encode(key));
}

@Override
public void incrByFloat(final String key, final double increment) {
    incrByFloat(SafeEncoder.encode(key), increment);
}

public void psetex(final String key, final long milliseconds, final String value) {
    psetex(SafeEncoder.encode(key), milliseconds, SafeEncoder.encode(value));
}

public void srandmember(final String key, final int count) {
    srandmember(SafeEncoder.encode(key), count);
}

public void clientKill(final String ipPort) {
    clientKill(SafeEncoder.encode(ipPort));
}

public void clientSetName(final String name) {
    clientSetName(SafeEncoder.encode(name));
}

@Override
public void migrate(final String host, final int port, final String key,
    final int destinationDb, final int
    timeout) {
    migrate(host, port, SafeEncoder.encode(key), destinationDb, timeout);
}

@Override
public void migrate(final String host, final int port, final int destinationDB,
    final int timeout, final MigrateParams params, String... keys) {
    migrate(host, port, destinationDB, timeout, params, SafeEncoder.encodeMany(keys));
}

```

```
@Override
public void hincrByFloat(final String key, final String field, final double increment) {
    hincrByFloat(SafeEncoder.encode(key), SafeEncoder.encode(field), increment);
}
```

```
@Override
public void scan(final String cursor, final ScanParams params) {
    scan(SafeEncoder.encode(cursor), params);
}
```

```
@Override
public void hscan(final String key, final String cursor, final ScanParams params) {
    hscan(SafeEncoder.encode(key), SafeEncoder.encode(cursor), params);
}
```

```
@Override
public void sscan(final String key, final String cursor, final ScanParams params) {
    sscan(SafeEncoder.encode(key), SafeEncoder.encode(cursor),
params);
}
```

```
@Override
public void zscan(final String key, final String cursor, final ScanParams params) {
    zscan(SafeEncoder.encode(key), SafeEncoder.encode(cursor), params);
}
```

```
public void cluster(final String subcommand, final int... args) {
    final byte[][] arg = new byte[args.length + 1][];
    for (int i = 1; i < arg.length; i++) {
        arg[i] = toByteArray(args[i - 1]);
    }
    arg[0] = SafeEncoder.encode(subcommand);
    cluster(arg);
}
```

```
public void pubsub(final String subcommand, final String... args) {
    final byte[][] arg = new byte[args.length + 1][];
    for (int i = 1; i < arg.length; i++) {
        arg[i] = SafeEncoder.encode(args[i - 1]);
    }
    arg[0] = SafeEncoder.encode(subcommand);
    pubsub(arg);
}
```

```
public void cluster(final String subcommand, final String... args) {
    final byte[][] arg = new byte[args.length + 1][];
    for (int i = 1; i < arg.length; i++) {
```

```

        arg[i] = SafeEncoder.encode(args[i - 1]);
    }
    arg[0] = SafeEncoder.encode(subcommand);
    cluster(arg);
}

public void cluster(final String subcommand) {
    final byte[][] arg = new byte[1][];
    arg[0] = SafeEncoder.encode(subcommand);
    cluster(arg);
}

public void clusterNodes() {
    cluster(Protocol.CLUSTER_NODES);
}

public void clusterMeet(final String ip, final int port) {
    cluster(Protocol.CLUSTER_MEET, ip, String.valueOf(port));
}

public void clusterReset(final ClusterReset resetType) {
    cluster(Protocol.CLUSTER_RESET, resetType.name());
}

public void clusterAddSlots(final int... slots) {
    cluster(Protocol.CLUSTER_ADDSLOTS, slots);
}

public void clusterDelSlots(final int... slots) {
    cluster(Protocol.CLUSTER_DELSLOTS, slots);
}

public void clusterInfo() {
    cluster(Protocol.CLUSTER_INFO);
}

public void clusterGetKeysInSlot(final int slot, final int count) {
    final int[] args = new int[] { slot, count };
    cluster(Protocol.CLUSTER_GETKEYSINSLOT, args);
}

public void clusterSetSlotNode(final
int slot, final String nodeId) {
    cluster(Protocol.CLUSTER_SETSLOT, String.valueOf(slot), Protocol.CLUSTER_SETSLOT_NODE, nodeId);
}

public void clusterSetSlotMigrating(final int slot, final String nodeId) {
    cluster(Protocol.CLUSTER_SETSLOT, String.valueOf(slot), Protocol.CLUSTER_SETSLOT_MIGRATING,

```



```

        nodeId);
    }

    public void clusterSetSlotImporting(final int slot, final String nodeId) {
        cluster(Protocol.CLUSTER_SETSLOT, String.valueOf(slot), Protocol.CLUSTER_SETSLOT_IMPORTING,
            nodeId);
    }

    public void pfadd(final String key, final String... elements) {
        pfadd(SafeEncoder.encode(key), SafeEncoder.encodeMany(elements));
    }

    public void pfcount(final String key) {
        pfcount(SafeEncoder.encode(key));
    }

    public void pfcount(final String... keys) {
        pfcount(SafeEncoder.encodeMany(keys));
    }

    public void pfmerge(final String destkey, final String... sourcekeys) {
        pfmerge(SafeEncoder.encode(destkey), SafeEncoder.encodeMany(sourcekeys));
    }

    public void clusterSetSlotStable(final int slot) {
        cluster(Protocol.CLUSTER_SETSLOT, String.valueOf(slot), Protocol.CLUSTER_SETSLOT_STABLE);
    }

    public void clusterForget(final String nodeId) {
        cluster(Protocol.CLUSTER_FORGET, nodeId);
    }

    public void clusterFlushSlots() {
        cluster(Protocol.CLUSTER_FLUSH_SLOT);
    }

    public void clusterKeySlot(final String key) {
        cluster(Protocol.CLUSTER_KEY_SLOT, key);
    }

    public void clusterCountKeysInSlot(final int slot) {
        cluster(Protocol.CLUSTER_COUNTKEYINSLOT, String.valueOf(slot));
    }

    public void clusterSaveConfig() {
        cluster(Protocol.CLUSTER_SAVECONFIG);
    }

```

```

public void clusterReplicate(final String nodeId) {
    cluster(Protocol.CLUSTER_REPLICATE, nodeId);
}

public void clusterSlaves(final String nodeId) {
    cluster(Protocol.CLUSTER_SLAVES, nodeId);
}

public void clusterFailover() {
    cluster(Protocol.CLUSTER_FAILOVER);
}

public void clusterSlots() {
    cluster(Protocol.CLUSTER_SLOTS);
}

public void geoadd(final String key, final double longitude, final double latitude, final String member) {
    geoadd(SafeEncoder.encode(key), longitude, latitude, SafeEncoder.encode(member));
}

public void geoadd(final String key, final Map<String, GeoCoordinate> memberCoordinateMap) {
    geoadd(SafeEncoder.encode(key), convertMemberCoordinateMapToBinary(memberCoordinateMap));
}

public void geodist(final String key, final String member1, final String member2) {
    geodist(SafeEncoder.encode(key), SafeEncoder.encode(member1), SafeEncoder.encode(member2));
}

public void geodist(final String key, final String member1, final String member2, final GeoUnit unit) {
    geodist(SafeEncoder.encode(key), SafeEncoder.encode(member1), SafeEncoder.encode(member2), unit);
}

public void geohash(final String key, final String... members) {
    geohash(SafeEncoder.encode(key), SafeEncoder.encodeMany(members));
}

public void geopos(final String key,
    final String[] members) {
    geopos(SafeEncoder.encode(key), SafeEncoder.encodeMany(members));
}

public void georadius(final String key, final double longitude, final double latitude, final double radius, final
GeoUnit unit) {
    georadius(SafeEncoder.encode(key), longitude, latitude, radius, unit);
}

public void georadiusReadonly(final String key, final double longitude, final double latitude, final double radius,
final GeoUnit unit) {

```

```

    georadiusReadOnly(SafeEncoder.encode(key), longitude, latitude, radius, unit);
}

public void georadius(final String key, final double longitude, final double latitude, final double radius, final
GeoUnit unit,
    final GeoRadiusParam param) {
    georadius(SafeEncoder.encode(key), longitude, latitude, radius, unit, param);
}

public void georadiusReadOnly(final String key, final double longitude, final double latitude, final double radius,
final GeoUnit unit,
    final GeoRadiusParam param) {
    georadiusReadOnly(SafeEncoder.encode(key),
longitude, latitude, radius, unit, param);
}

public void georadiusByMember(final String key, final String member, final double radius, final GeoUnit unit) {
    georadiusByMember(SafeEncoder.encode(key), SafeEncoder.encode(member), radius, unit);
}

public void georadiusByMemberReadOnly(final String key, final String member, final double radius, final GeoUnit
unit) {
    georadiusByMemberReadOnly(SafeEncoder.encode(key), SafeEncoder.encode(member), radius, unit);
}

public void georadiusByMember(final String key, final String member, final double radius, final GeoUnit unit,
    final GeoRadiusParam param) {
    georadiusByMember(SafeEncoder.encode(key), SafeEncoder.encode(member), radius, unit, param);
}

public void georadiusByMemberReadOnly(final String key, final String member, final double radius, final GeoUnit
unit,
    final GeoRadiusParam param) {
    georadiusByMemberReadOnly(SafeEncoder.encode(key), SafeEncoder.encode(member), radius, unit,
param);
}

public void moduleLoad(final String path) {
    moduleLoad(SafeEncoder.encode(path));
}

public void moduleUnload(final String name) {
    moduleUnload(SafeEncoder.encode(name));
}

private HashMap<byte[], Double> convertScoreMembersToBinary(final Map<String, Double> scoreMembers) {
    HashMap<byte[], Double> binaryScoreMembers = new HashMap<byte[], Double>();
    for (Entry<String, Double> entry : scoreMembers.entrySet()) {

```

```

        binaryScoreMembers.put(SafeEncoder.encode(entry.getKey()), entry.getValue());
    }
    return binaryScoreMembers;
}

private HashMap<byte[], GeoCoordinate> convertMemberCoordinateMapToBinary(
    final Map<String, GeoCoordinate> memberCoordinateMap) {
    HashMap<byte[], GeoCoordinate> binaryMemberCoordinateMap = new HashMap<byte[], GeoCoordinate>();
    for (Entry<String, GeoCoordinate> entry : memberCoordinateMap.entrySet()) {
        binaryMemberCoordinateMap.put(SafeEncoder.encode(entry.getKey()), entry.getValue());
    }
    return binaryMemberCoordinateMap;
}

@Override
public void bitfield(final String key, final String... arguments) {
    bitfield(SafeEncoder.encode(key), SafeEncoder.encodeMany(arguments));
}

@Override
public void hstrlen(final String key, final String field) {
    hstrlen(SafeEncoder.encode(key), SafeEncoder.encode(field));
}

@Override
public void xadd(final String key, final StreamEntryID id, final Map<String, String> hash, long maxlen, boolean
approximateLength) {
    final Map<byte[], byte[]> bhash = new HashMap<>(hash.size());
    for (final Entry<String, String> entry : hash.entrySet()) {
        bhash.put(SafeEncoder.encode(entry.getKey()), SafeEncoder.encode(entry.getValue()));
    }
    xadd(SafeEncoder.encode(key), SafeEncoder.encode(id==null ? "*" : id.toString()), bhash, maxlen,
approximateLength);
}

@Override
public void xlen(final String key) {
    xlen(SafeEncoder.encode(key));
}

@Override
public void xrange(final String key, final
StreamEntryID start, final StreamEntryID end, final long count) {
    xrange(SafeEncoder.encode(key), SafeEncoder.encode(start==null ? "-" : start.toString()),
SafeEncoder.encode(end==null ? "+" : end.toString()), count);
}

@Override

```

```

public void xrevrange(String key, StreamEntryID end, StreamEntryID start, int count) {
    xrevrange(SafeEncoder.encode(key), SafeEncoder.encode(end==null ? "+" : end.toString()),
SafeEncoder.encode(start==null ? "-" : start.toString()), count);
}

@Override
public void xread(final int count, final long block, final Entry<String, StreamEntryID>... streams) {
    final Map<byte[], byte[]> bhash = new HashMap<byte[], byte[]>(streams.length);
    for (final Entry<String, StreamEntryID> entry : streams) {
        bhash.put(SafeEncoder.encode(entry.getKey()), SafeEncoder.encode(entry.getValue()==null ? "0-0" :
entry.getValue().toString()));
    }
    xread(count, block, bhash);
}

@Override
public void xack(final String key, final String
group, final StreamEntryID... ids) {
    final byte[][] bids = new byte[ids.length][];
    for (int i=0 ; i< ids.length; ++i ) {
        StreamEntryID id = ids[i];
        bids[i] = SafeEncoder.encode(id==null ? "0-0" : id.toString());
    }
    xack(SafeEncoder.encode(key), SafeEncoder.encode(group), bids);
}

@Override
public void xgroupCreate(String key, String groupname, StreamEntryID id, boolean makeStream) {
    xgroupCreate(SafeEncoder.encode(key), SafeEncoder.encode(groupname), SafeEncoder.encode(id==null ? "0-0" :
id.toString()), makeStream);
}

@Override
public void xgroupSetID(String key, String groupname, StreamEntryID id) {
    xgroupSetID(SafeEncoder.encode(key), SafeEncoder.encode(groupname), SafeEncoder.encode(id==null ? "0-0" :
id.toString()));
}

@Override
public void xgroupDestroy(String key, String groupname) {
    xgroupDestroy(SafeEncoder.encode(key), SafeEncoder.encode(groupname));
}

@Override
public void xgroupDelConsumer(String key,
String groupname, String consumerName) {
    xgroupDelConsumer(SafeEncoder.encode(key), SafeEncoder.encode(groupname),
SafeEncoder.encode(consumerName));
}

```

```
}
```

```
@Override
```

```
public void xdel(final String key, final StreamEntryID... ids) {  
    final byte[][] bids = new byte[ids.length][];  
    for (int i=0 ; i< ids.length; ++i ) {  
        StreamEntryID id = ids[i];  
        bids[i] = SafeEncoder.encode(id==null ? "0-0" : id.toString());  
    }  
    xdel(SafeEncoder.encode(key), bids);  
}
```

```
@Override
```

```
public void xtrim(String key, long maxLen, boolean approximateLength) {  
    xtrim(SafeEncoder.encode(key), maxLen, approximateLength);  
}
```

```
@Override
```

```
public void xreadGroup(String groupname, String consumer, int count, long block, boolean noAck, Entry<String,  
StreamEntryID>... streams) {  
    final Map<byte[], byte[]> bhash = new HashMap<>(streams.length);  
    for (final Entry<String, StreamEntryID> entry : streams) {  
        bhash.put(SafeEncoder.encode(entry.getKey()), SafeEncoder.encode(entry.getValue()==null  
? ">" : entry.getValue().toString()));  
    }  
    xreadGroup(SafeEncoder.encode(groupname), SafeEncoder.encode(consumer), count, block, noAck, bhash);  
}
```

```
@Override
```

```
public void xpending(String key, String groupname, StreamEntryID start, StreamEntryID end, int count, String  
consumername) {  
    xpending(SafeEncoder.encode(key), SafeEncoder.encode(groupname), SafeEncoder.encode(start==null ? "-" :  
start.toString()),  
        SafeEncoder.encode(end==null ? "+" : end.toString()), count, consumername == null? null :  
SafeEncoder.encode(consumername));  
}
```

```
@Override
```

```
public void xclaim(String key, String group, String consumername, long minIdleTime, long newIdleTime, int  
retries,  
    boolean force, StreamEntryID... ids) {  
  
    final byte[][] bids = new byte[ids.length][];  
    for (int i = 0; i < ids.length; i++) {  
        bids[i] = SafeEncoder.encode(ids[i].toString());  
    }  
    xclaim(SafeEncoder.encode(key), SafeEncoder.encode(group), SafeEncoder.encode(consumername),
```

```
minIdleTime, newIdleTime, retries, force, bids);  
}
```

```
}
```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/Client.java

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

```
public void assignSlotsToNode(List<Integer> targetSlots, HostAndPort targetNode) {  
    for (Integer slot : targetSlots) {  
        public JedisPool getSlotPool(int slot) {
```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/JedisClusterInfoCache.java

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

```
/*
```

```
* Licensed to the Apache Software Foundation (ASF) under one or more contributor license  
* agreements. See the NOTICE file distributed with this work for additional information regarding  
* copyright ownership. The ASF licenses this file to You under the Apache License, Version 2.0 (the  
* "License"); you may not use this file except in compliance with the License. You may obtain a  
* copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable  
* law or agreed to in writing, software distributed under the License is distributed on an "AS IS"  
* BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the  
License  
* for the specific language governing permissions and limitations under the License.  
*/
```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/util/MurmurHash.java

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

```
JedisPool connectionPool = cache.getSlotPool(slot);  
connectionPool = cache.getSlotPool(slot);
```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/JedisSlotBasedConnectionHandler.java

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

```
return runWithRetries(JedisClusterCRC16.getSlot(key), this.maxAttempts, false, null);  
int slot = JedisClusterCRC16.getSlot(keys[0]);  
int nextSlot = JedisClusterCRC16.getSlot(keys[i]);  
if (slot != nextSlot) {  
    return runWithRetries(JedisClusterCRC16.getSlot(key), this.maxAttempts, false, null);  
int slot = JedisClusterCRC16.getSlot(keys[0]);  
int nextSlot = JedisClusterCRC16.getSlot(keys[i]);
```

```
if (slot != nextSlot) {
```

Found in path(s):

```
* /jedis-3-1-0-sources-jar/redis/clients/jedis/JedisClusterCommand.java
```

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

```
/*
```

```
* Copyright 2009-2010 MBTE Sweden AB. Licensed under the Apache License, Version 2.0 (the
```

```
* "License"); you may not use this file except in compliance with the License. You may obtain a
```

```
* copy of the License at http://www.apache.org/licenses/LICENSE-2.0 Unless required by applicable
```

```
* law or agreed to in writing, software distributed under the License is distributed on an "AS IS"
```

```
* BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the  
License
```

```
* for the specific language governing permissions and limitations under the License.
```

```
*/
```

Found in path(s):

```
* /jedis-3-1-0-sources-jar/redis/clients/jedis/util/RedisInputStream.java
```

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

```
public static final String CLUSTER_SETSLOT = "setslot";
```

```
public static final String CLUSTER_SETSLOT_NODE = "node";
```

```
public static final String CLUSTER_SETSLOT_MIGRATING = "migrating";
```

```
public static final String CLUSTER_SETSLOT_IMPORTING = "importing";
```

```
public static final String CLUSTER_SETSLOT_STABLE = "stable";
```

Found in path(s):

```
* /jedis-3-1-0-sources-jar/redis/clients/jedis/Protocol.java
```

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

```
public String clusterSetSlotNode(final int slot, final String nodeId) {
```

```
    client.clusterSetSlotNode(slot, nodeId);
```

```
public String clusterSetSlotMigrating(final int slot, final String nodeId) {
```

```
    client.clusterSetSlotMigrating(slot, nodeId);
```

```
public String clusterSetSlotImporting(final int slot, final String nodeId) {
```

```
    client.clusterSetSlotImporting(slot, nodeId);
```

```
public String clusterSetSlotStable(final int slot) {
```

```
    client.clusterSetSlotStable(slot);
```

Found in path(s):

```
* /jedis-3-1-0-sources-jar/redis/clients/jedis/Jedis.java
```

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

```
package redis.clients.jedis;
```

```
import redis.clients.jedis.commands.*;
```

```
import redis.clients.jedis.params.MigrateParams;
```



```

import java.util.List;
import java.util.Map;
import java.util.Set;

public abstract class MultiKeyPipelineBase extends PipelineBase implements
    MultiKeyBinaryRedisPipeline, MultiKeyCommandsPipeline, ClusterPipeline,
    BinaryScriptingCommandsPipeline, ScriptingCommandsPipeline, BasicRedisPipeline {

    protected Client client = null;

    @Override
    public Response<List<String>> brpop(String... args) {
        client.brpop(args);
        return getResponse(BuilderFactory.STRING_LIST);
    }

    public Response<List<String>> brpop(int timeout, String... keys) {
        client.brpop(timeout, keys);
        return getResponse(BuilderFactory.STRING_LIST);
    }

    @Override
    public Response<List<String>> blpop(String... args) {
        client.blpop(args);
        return getResponse(BuilderFactory.STRING_LIST);
    }

    public Response<List<String>>
        blpop(int timeout, String... keys) {
        client.blpop(timeout, keys);
        return getResponse(BuilderFactory.STRING_LIST);
    }

    public Response<Map<String, String>> blpopMap(int timeout, String... keys) {
        client.blpop(timeout, keys);
        return getResponse(BuilderFactory.STRING_MAP);
    }

    @Override
    public Response<List<byte[]>> brpop(byte[]... args) {
        client.brpop(args);
        return getResponse(BuilderFactory.BYTE_ARRAY_LIST);
    }

    public Response<List<String>> brpop(int timeout, byte[]... keys) {
        client.brpop(timeout, keys);
        return getResponse(BuilderFactory.STRING_LIST);
    }
}

```

```

public Response<Map<String, String>> brpopMap(int timeout, String... keys) {
    client.blpop(timeout, keys);
    return getResponse(BuilderFactory.STRING_MAP);
}

```

```

@Override
public Response<List<byte[]>> blpop(byte[]... args) {
    client.blpop(args);
    return getResponse(BuilderFactory.BYTE_ARRAY_LIST);
}

```

```

public Response<List<String>> blpop(int timeout, byte[]...
keys) {
    client.blpop(timeout, keys);
    return getResponse(BuilderFactory.STRING_LIST);
}

```

```

@Override
public Response<Long> del(String... keys) {
    client.del(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> del(byte[]... keys) {
    client.del(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> unlink(String... keys) {
    client.unlink(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> unlink(byte[]... keys) {
    client.unlink(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> exists(String... keys) {
    client.exists(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> exists(byte[]... keys) {
    client.exists(keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Set<String>> keys(String pattern) {
    getClient(pattern).keys(pattern);
    return getResponse(BuilderFactory.STRING_SET);
}

@Override
public Response<Set<byte[]>> keys(byte[] pattern) {
    getClient(pattern).keys(pattern);
    return getResponse(BuilderFactory.BYTE_ARRAY_ZSET);
}

@Override
public Response<List<String>> mget(String... keys) {
    client.mget(keys);
    return getResponse(BuilderFactory.STRING_LIST);
}

@Override
public Response<List<byte[]>> mget(byte[]... keys) {
    client.mget(keys);
    return getResponse(BuilderFactory.BYTE_ARRAY_LIST);
}

@Override
public Response<String> mset(String... keyvalues) {
    client.mset(keyvalues);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> mset(byte[]... keyvalues) {
    client.mset(keyvalues);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Long> msetnx(String... keyvalues) {
    client.msetnx(keyvalues);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long>
msetnx(byte[]... keyvalues) {
    client.msetnx(keyvalues);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> rename(String oldkey, String newkey) {
    client.rename(oldkey, newkey);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> rename(byte[] oldkey, byte[] newkey) {
    client.rename(oldkey, newkey);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Long> renamenx(String oldkey, String newkey) {
    client.renamenx(oldkey, newkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> renamenx(byte[] oldkey, byte[] newkey) {
    client.renamenx(oldkey, newkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> rpoplpush(String srckey, String dstkey) {
    client.rpoplpush(srckey, dstkey);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<byte[]> rpoplpush(byte[]
srckey, byte[] dstkey) {
    client.rpoplpush(srckey, dstkey);
    return getResponse(BuilderFactory.BYTE_ARRAY);
}

@Override
public Response<Set<String>> sdiff(String... keys) {
    client.sdiff(keys);
    return getResponse(BuilderFactory.STRING_SET);
}

```

```

}

@Override
public Response<Set<byte[]>> sdiff(byte[]... keys) {
    client.sdiff(keys);
    return getResponse(BuilderFactory.BYTE_ARRAY_ZSET);
}

@Override
public Response<Long> sdiffstore(String dstkey, String... keys) {
    client.sdiffstore(dstkey, keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sdiffstore(byte[] dstkey, byte[]... keys) {
    client.sdiffstore(dstkey, keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Set<String>> sinter(String... keys) {
    client.sinter(keys);
    return getResponse(BuilderFactory.STRING_SET);
}

@Override
public Response<Set<byte[]>> sinter(byte[]... keys) {
    client.sinter(keys);
    return getResponse(BuilderFactory.BYTE_ARRAY_ZSET);
}

@Override
public Response<Long> sinterstore(String dstkey, String... keys) {
    client.sinterstore(dstkey, keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sinterstore(byte[] dstkey, byte[]... keys) {
    client.sinterstore(dstkey, keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> smove(String srckey, String dstkey, String member) {
    client.smove(srckey, dstkey, member);
    return getResponse(BuilderFactory.LONG);
}

```

```

}

@Override
public Response<Long> smove(byte[] srckey, byte[] dstkey, byte[] member) {
    client.smove(srckey, dstkey, member);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sort(String key, SortingParams sortingParameters, String dstkey) {
    client.sort(key, sortingParameters, dstkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sort(byte[]
key, SortingParams sortingParameters, byte[] dstkey) {
    client.sort(key, sortingParameters, dstkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sort(String key, String dstkey) {
    client.sort(key, dstkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sort(byte[] key, byte[] dstkey) {
    client.sort(key, dstkey);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Set<String>> sunion(String... keys) {
    client.sunion(keys);
    return getResponse(BuilderFactory.STRING_SET);
}

@Override
public Response<Set<byte[]>> sunion(byte[]... keys) {
    client.sunion(keys);
    return getResponse(BuilderFactory.BYTE_ARRAY_ZSET);
}

@Override
public Response<Long> sunionstore(String dstkey, String... keys) {
    client.sunionstore(dstkey, keys);

```

```

    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> sunionstore(byte[] dstkey, byte[]...
keys) {
    client.sunionstore(dstkey, keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> watch(String... keys) {
    client.watch(keys);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> watch(byte[]... keys) {
    client.watch(keys);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Long> zinterstore(String dstkey, String... sets) {
    client.zinterstore(dstkey, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zinterstore(byte[] dstkey, byte[]... sets) {
    client.zinterstore(dstkey, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zinterstore(String dstkey, ZParams params, String... sets) {
    client.zinterstore(dstkey, params, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zinterstore(byte[] dstkey, ZParams params, byte[]...
sets) {
    client.zinterstore(dstkey, params, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override

```

```

public Response<Long> zunionstore(String dstkey, String... sets) {
    client.zunionstore(dstkey, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zunionstore(byte[] dstkey, byte[]... sets) {
    client.zunionstore(dstkey, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zunionstore(String dstkey, ZParams params, String... sets) {
    client.zunionstore(dstkey, params, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> zunionstore(byte[] dstkey, ZParams params, byte[]... sets) {
    client.zunionstore(dstkey, params, sets);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> bgrewriteaof() {
    client.bgrewriteaof();
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String>
bgsave() {
    client.bgsave();
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<List<String>> configGet(String pattern) {
    client.configGet(pattern);
    return getResponse(BuilderFactory.STRING_LIST);
}

@Override
public Response<String> configSet(String parameter, String value) {
    client.configSet(parameter, value);
    return getResponse(BuilderFactory.STRING);
}

```



```
@Override
public Response<String> brpoplpush(String source, String destination, int timeout) {
    client.brdpoplpush(source, destination, timeout);
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<byte[]> brpoplpush(byte[] source, byte[] destination, int timeout) {
    client.brdpoplpush(source, destination, timeout);
    return getResponse(BuilderFactory.BYTE_ARRAY);
}
```

```
@Override
public Response<String> configResetStat() {
    client.configResetStat();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<String>
save() {
    client.save();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<Long> lastsave() {
    client.lastsave();
    return getResponse(BuilderFactory.LONG);
}
```

```
@Override
public Response<Long> publish(String channel, String message) {
    client.publish(channel, message);
    return getResponse(BuilderFactory.LONG);
}
```

```
@Override
public Response<Long> publish(byte[] channel, byte[] message) {
    client.publish(channel, message);
    return getResponse(BuilderFactory.LONG);
}
```

```
@Override
public Response<String> randomKey() {
    client.randomKey();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<byte[]> randomKeyBinary() {
    client.randomKey();
    return getResponse(BuilderFactory.BYTE_ARRAY);
}
```

```
@Override
public Response<String> flushDB() {
    client.flushDB();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<String> flushAll() {
    client.flushAll();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<String> info() {
    client.info();
    return getResponse(BuilderFactory.STRING);
}
```

```
public Response<String> info(final String section) {
    client.info(section);
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<Long> dbSize() {
    client.dbSize();
    return getResponse(BuilderFactory.LONG);
}
```

```
@Override
public Response<String> shutdown() {
    client.shutdown();
    return getResponse(BuilderFactory.STRING);
}
```

```
@Override
public Response<String> ping() {
    client.ping();
    return getResponse(BuilderFactory.STRING);
}
```

```

@Override
public Response<String> select(int index) {
    client.select(index);
    Response<String> response = getResponse(BuilderFactory.STRING);
    client.setDb(index);

    return response;
}

@Override
public Response<String> swapDB(int index1, int index2) {
    client.swapDB(index1, index2);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Long> bitop(BitOP op, byte[] destKey, byte[]... srcKeys) {
    client.bitop(op, destKey, srcKeys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<Long> bitop(BitOP op, String destKey, String... srcKeys) {
    client.bitop(op, destKey, srcKeys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> clusterNodes() {
    client.clusterNodes();
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterMeet(final String ip, final int port) {
    client.clusterMeet(ip, port);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterAddSlots(final int... slots) {
    client.clusterAddSlots(slots);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterDelSlots(final int... slots) {
    client.clusterDelSlots(slots);
}

```

```

    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterInfo() {
    client.clusterInfo();
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<List<String>> clusterGetKeysInSlot(final int slot, final int count) {
    client.clusterGetKeysInSlot(slot, count);
    return getResponse(BuilderFactory.STRING_LIST);
}

@Override
public Response<String> clusterSetSlotNode(final int slot, final String nodeId) {
    client.clusterSetSlotNode(slot, nodeId);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterSetSlotMigrating(final int slot, final String nodeId) {
    client.clusterSetSlotMigrating(slot, nodeId);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> clusterSetSlotImporting(final int slot, final String nodeId) {
    client.clusterSetSlotImporting(slot, nodeId);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Object> eval(String
script) {
    return this.eval(script, 0, new String[0]);
}

@Override
public Response<Object> eval(String script, List<String> keys, List<String> args) {
    String[] argv = Jedis.getParams(keys, args);
    return this.eval(script, keys.size(), argv);
}

@Override
public Response<Object> eval(String script, int keyCount, String... params) {
    getClient(script).eval(script, keyCount, params);
}

```

```

    return getResponse(BuilderFactory.EVAL_RESULT);
}

@Override
public Response<Object> evalsha(String sha1) {
    return this.evalsha(sha1, 0, new String[0]);
}

@Override
public Response<Object> evalsha(String sha1, List<String> keys, List<String> args) {
    String[] argv = Jedis.getParams(keys, args);
    return this.evalsha(sha1, keys.size(), argv);
}

@Override
public Response<Object> evalsha(String sha1, int keyCount, String... params) {
    getClient(sha1).evalsha(sha1, keyCount, params);
    return getResponse(BuilderFactory.EVAL_RESULT);
}

@Override
public Response<Object> eval(byte[] script) {
    return this.eval(script, 0);
}

@Override
public Response<Object> eval(byte[] script, byte[] keyCount, byte[]... params) {
    getClient(script).eval(script, keyCount, params);
    return getResponse(BuilderFactory.EVAL_BINARY_RESULT);
}

@Override
public Response<Object> eval(byte[] script, List<byte[]> keys, List<byte[]> args) {
    byte[][] argv = BinaryJedis.getParamsWithBinary(keys, args);
    return this.eval(script, keys.size(), argv);
}

@Override
public Response<Object> eval(byte[] script, int keyCount, byte[]... params) {
    getClient(script).eval(script, keyCount, params);
    return getResponse(BuilderFactory.EVAL_BINARY_RESULT);
}

@Override
public Response<Object> evalsha(byte[] sha1) {
    return this.evalsha(sha1, 0);
}

```

```

@Override
public Response<Object> evalsha(byte[] sha1, List<byte[]> keys, List<byte[]> args) {
    byte[][] argv = BinaryJedis.getParamsWithBinary(keys, args);

    return this.evalsha(sha1, keys.size(), argv);
}

```

```

@Override
public Response<Object> evalsha(byte[] sha1, int keyCount, byte[]... params) {
    getClient(sha1).evalsha(sha1, keyCount, params);
    return getResponse(BuilderFactory.EVAL_BINARY_RESULT);
}

```

```

@Override
public Response<Long> pfcount(String... keys) {
    client.pfcount(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> pfcount(final byte[]... keys) {
    client.pfcount(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<String> pfmerge(byte[] destkey, byte[]... sourcekeys) {
    client.pfmerge(destkey, sourcekeys);
    return getResponse(BuilderFactory.STRING);
}

```

```

@Override
public Response<String> pfmerge(String destkey, String... sourcekeys) {
    client.pfmerge(destkey, sourcekeys);
    return getResponse(BuilderFactory.STRING);
}

```

```

@Override
public Response<List<String>> time() {
    client.time();
    return getResponse(BuilderFactory.STRING_LIST);
}

```

```

@Override
public Response<Long> touch(String... keys) {
    client.touch(keys);
    return getResponse(BuilderFactory.LONG);
}

```

```

@Override
public Response<Long> touch(byte[]... keys) {
    client.touch(keys);
    return getResponse(BuilderFactory.LONG);
}

@Override
public Response<String> moduleUnload(String name) {
    client.moduleUnload(name);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<List<Module>> moduleList() {
    client.moduleList();
    return getResponse(BuilderFactory.MODULE_LIST);
}

@Override
public Response<String> moduleLoad(String path) {
    client.moduleLoad(path);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> migrate(final String host, final int port, final int destinationDB,
    final int timeout, final MigrateParams params, final String... keys) {
    client.migrate(host, port, destinationDB, timeout, params, keys);
    return
getResponse(BuilderFactory.STRING);
}

@Override
public Response<String> migrate(final String host, final int port, final int destinationDB,
    final int timeout, final MigrateParams params, final byte[]... keys) {
    client.migrate(host, port, destinationDB, timeout, params, keys);
    return getResponse(BuilderFactory.STRING);
}

@Override
public Response<Object> sendCommand(ProtocolCommand cmd, String... args){
    client.sendCommand(cmd, args);
    return getResponse(BuilderFactory.OBJECT);
}

}

```

Found in path(s):

* /jedis-3-1-0-sources-jar/redis/clients/jedis/MultiKeyPipelineBase.java

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```
package redis.clients.jedis.exceptions;
```

```
import redis.clients.jedis.HostAndPort;
```

```
public class JedisRedirectionException extends JedisDataException {  
    private static final long serialVersionUID = 3878126572474819403L;
```

```
    private HostAndPort targetNode;  
    private int slot;
```

```
    public JedisRedirectionException(String message, HostAndPort targetNode, int slot) {  
        super(message);  
        this.targetNode = targetNode;  
        this.slot = slot;  
    }
```

```
    public JedisRedirectionException(Throwable cause, HostAndPort targetNode, int slot) {  
        super(cause);  
        this.targetNode = targetNode;  
        this.slot = slot;  
    }
```

```
    public JedisRedirectionException(String message, Throwable cause, HostAndPort targetNode, int slot) {  
        super(message, cause);  
        this.targetNode = targetNode;  
        this.slot = slot;  
    }
```

```
    public HostAndPort getTargetNode() {  
        return targetNode;  
    }
```

```
    public int getSlot() {  
        return slot;  
    }  
}
```

Found in path(s):

*

/jedis-3-1-0-sources-jar/redis/clients/jedis/exceptions/JedisRedirectionException.java

1.135 spring-framework 6.1.21

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* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/ClassName.java

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 */
```

Found in path(s):

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/CallbackInfo.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/RejectModifierPredicate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassInfo.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/MethodInfoTransformer.java
*

/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/AbstractClassFilterTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/MethodInfo.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/InterfaceMaker.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AbstractInterceptFieldCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/MixinEverythingEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/CallbackHelper.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AddInitTransformer.java
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 */
```

Found in path(s):

/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/Factory.java
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/MethodInterceptor.java
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/UndeclaredThrowableException.java
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 */
```

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* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/BridgeMethodResolver.java

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*/

Found in path(s):

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/TypeVariableName.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/WildcardTypeName.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/FieldSpec.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/CodeWriter.java

*

/spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/MethodSpec.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/Util.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/JavaFile.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/AnnotationSpec.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/NameAllocator.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/ParameterSpec.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/ArrayTypeName.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/TypeSpec.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/TypeName.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/CodeBlock.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/javapoet/ParameterizedTypeName.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ObjectToArrayConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/DecoratingClassLoader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/VfsPatternUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/FileSystemResourceLoader.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/AbstractConditionalEnumConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/EncodingException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StreamConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/MissingRequiredPropertiesException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/WritableResource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ConvertingPropertyEditorAdapter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/InvalidMimeTypeException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/ResourceEditor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/CodecException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/ConverterNotFoundException.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/style/DefaultToStringStyler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/CollectionToArrayConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/ResolvableTypeProvider.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/GenericConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/style/ToStringStyler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/AbstractXMLReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/ClassMetadata.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/DefaultPropertySourceFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/CollectionToObjectConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/AbstractStaxHandler.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/AspectJTypeFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxResult.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/EnvironmentCapable.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/DecodingException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/Order.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/IdToEntityConverter.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/FailingInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/sun/MagicInstantiator.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/objenesis/instantiator/perc/PercSerializationInstantiator.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/gcj/GCJSerializationInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/NullInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/AccessibleInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/android/Android18Instantiator.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/objenesis/instantiator/basic/DelegatingToExoticInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/SingleInstantiatorStrategy.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/annotations/Typology.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/NewInstanceInstantiator.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/Objenesis.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/annotations/Instantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/InstantiatorStrategy.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/android/Android17Instantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/gcj/GCJInstantiatorBase.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/BaseInstantiatorStrategy.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/ObjenesisHelper.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactorySerializationInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/ObjenesisException.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/util/ClassUtils.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/PlatformDescription.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/SerializingInstantiatorStrategy.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/android/Android10Instantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/ProxyingInstantiator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/ObjenesisBase.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/objenesis/instantiator/android/AndroidSerializationInstantiator.java

```

* /spring-core-6-1-21-sources-1-
jar/org/springframework/objenesis/instantiator/basic/ObjectInputStreamInstantiator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/ObjenesisSerializer.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/objenesis/instantiator/basic/ObjectStreamClassInstantiator.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/ObjectInstantiator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/util/UnsafeUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/perc/PercInstantiator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/ObjenesisStd.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/SerializationInstantiatorHelper.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/sun/UnsafeFactoryInstantiator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/basic/ConstructorInstantiator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/strategy/StdInstantiatorStrategy.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryInstantiator.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/instantiator/sun/SunReflectionFactoryHelper.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/AttributeAccessor.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/asm/SpringAsmInfo.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DataBufferLimitException.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationsProcessor.java
- *
 - /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/MethodMetadata.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/ConfigurableObjectInputStream.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/StandardAnnotationMetadata.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/PropertyPlaceholderHelper.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/StandardEnvironment.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationFilter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/ResourceLoader.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/XMLEventStreamReader.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ByteBufferConverter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/log/LogDelegateFactory.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/ValueExtractor.java
- *
 - /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/Encoder.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/classreading/SimpleMethodMetadataReadingVisitor.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/SmartClassLoader.java

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```
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/UrlResource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/SortedProperties.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/comparator/InstanceComparator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/metrics/ApplicationStartup.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/env/EnumerablePropertySource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/Deserializer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/task/TaskDecorator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/Serializer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/IdGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/LinkedMultiValueMap.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToEnumConverterFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/SimpleIdGenerator.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/core/convert/support/StringToNumberConverterFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/PropertyResolver.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/AbstractPropertyResolver.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/env/SimpleCommandLineArgsParser.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/MapPropertySource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MergedAnnotationCollectors.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/metrics/StartupStep.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/AliasRegistry.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ResourceRegionEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/log/LogAccessor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToCharacterConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToUUIDConverter.java
*
```


/spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/NumberToNumberConverterFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/metrics/jfr/FlightRecorderStartupEvent.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/CommonsLogWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/CustomizableThreadCreator.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Context.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ClassReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Handle.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/asm/Type.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Frame.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Handler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Edge.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/TypeReference.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/MethodTooLargeException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/AnnotationVisitor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ModuleWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Constants.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/MethodVisitor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/FieldVisitor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/TypePath.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/MethodWriter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/asm/SymbolTable.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Attribute.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/AnnotationWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/RecordComponentVisitor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ClassWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ByteVector.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Label.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/CurrentFrame.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Symbol.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ClassTooLargeException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/Opcodes.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ConstantDynamic.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/RecordComponentWriter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/asm/FieldWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/asm/ModuleVisitor.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/AbstractXMLStreamReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/classreading/SimpleMetadataReaderFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/ParameterNameDiscoverer.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/ExceptionDepthComparator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/PropertySources.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxEventHandler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/DelegatingCompletableFuture.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/style/ToStringCreator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/ResourcePropertySource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/XMLEventStreamWriter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/CompositeIterator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/NamedInheritableThreadLocal.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/UpdateMessageDigestInputStream.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/ConverterFactory.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/OverridingClassLoader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/AbstractXMLEventReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/LocalizedResourceHelper.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxSource.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ConditionalHint.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/SuccessCallback.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MergedAnnotationPredicates.java
- *
 - /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToCharsetConverter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/ConfigurableEnvironment.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/Hints.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/CompletableToListenableFutureAdapter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/FileNativeConfigurationWriter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/Netty5BufferDecoder.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/CloseableDataBuffer.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/PropertiesLoaderUtils.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DataBufferOutputStream.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/TouchableDataBuffer.java
 - *
 - /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/substitution/Target_Introspector.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/MethodReference.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/GenerationContext.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/PropertiesPersister.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DefaultDataBufferFactory.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/ListenableFutureTask.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/ResourceRegion.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ConversionServiceFactory.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/VfsUtils.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/predicate/RuntimeHintsPredicates.java
 - *
 - /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/GeneratedTypeReference.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToCurrencyConverter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/feature/ThrowawayClassLoader.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/ListenableFutureCallbackRegistry.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/NativeConfigurationWriter.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/PropertySourcesPropertyResolver.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/classreading/CachingMetadataReaderFactory.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/MemberHint.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/SettableListenableFuture.java
 - * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotatedElementUtils.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/ResourcePatternResolver.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/NettyByteBufDecoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/DefaultResourceLoader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/PropertiesLoaderSupport.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/FieldHint.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToTimeZoneConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/DefaultPropertiesPersister.java
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jar/org/springframework/aot/hint/annotation/RegisterReflectionForBindingProcessor.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/ResourcePatternUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/ConvertingComparator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/AbstractSingleValueEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ProxyHints.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/log/CompositeLog.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/StandardReflectionParameterNameDiscoverer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ExecutableMode.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/DomUtils.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/ListenableFutureCallback.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/ClassNameGenerator.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/style/SimpleValueStyler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/FailureCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/FileSystemGeneratedFiles.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/XmlValidationModeDetector.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/concurrent/ListenableFuture.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/RuntimeHints.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/NestedExceptionUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/annotation/ReflectiveProcessor.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ReflectionTypeReference.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/support/PropertySourceFactory.java
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/spring-core-6-1-21-sources-1-jar/org/springframework/util/function/ThrowingSupplier.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/support/KotlinDetectorRuntimeHints.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/SerializationHintsWriter.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/AbstractStaxXMLReader.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BeanMap.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/JdkProxyHintExtensions.kt
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- jar/org/springframework/aot/generate/UnsupportedTypeValueCodeGenerationException.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/NumberUtils.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/JOptCommandLinePropertySource.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/CharSequenceEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/MethodClassKey.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ObjectToOptionalConverter.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/GeneratedClass.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/UnmodifiableMultiValueMap.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/Profiles.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/MethodInvoker.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationAwareOrderComparator.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/task/support/ExecutorServiceAdapter.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/StandardClassMetadata.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/ConcurrentReferenceHashMap.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/SystemPropertyUtils.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/support/DeserializingConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/FastByteArrayOutputStream.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AbstractMergedAnnotation.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/ProfilesParser.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/aot/hint/support/ObjectToObjectConverterRuntimeHints.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxStreamXMLReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/AutoPopulatingList.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/comparator/ComparableComparator.java
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Found in path(s):

```

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ProcessSwitchCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/MethodFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/util/StringSwitcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassTransformerTee.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/FieldProvider.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ObjectSwitchCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Local.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassTransformerFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/NamingPolicy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/ProxyRefDispatcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/ConstructorDelegate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/CodeGenerationException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BulkBean.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Constants.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Block.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Converter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/FastConstructor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/InterceptFieldFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/InterceptFieldTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassesKey.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/GeneratorStrategy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/AbstractClassTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/DuplicatesPredicate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/TinyBitSet.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/util/ParallelSorter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassNameReader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassReaderGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Predicate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/MethodFilterTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/InterceptFieldCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassEmitterTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/util/SorterTemplate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/FastMember.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/UndeclaredThrowableStrategy.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/DefaultGeneratorStrategy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassVisitorTee.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BeanGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/TransformingClassLoader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/FieldProviderTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/FieldVisitorTee.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/InvocationHandler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Signature.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/Dispatcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/TransformingClassGenerator.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AddPropertyTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/FixedKeySet.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Transformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/Customizer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AddDelegateTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AccessFieldTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/Callback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/AnnotationVisitorTee.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/InterceptFieldEnabled.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/util/ParallelSorterEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassTransformer.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/FixedValue.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ProcessArrayCallback.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BulkBeanException.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/MixinBeanEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/MethodVisitorTee.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/LazyLoader.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/cglib/transform/impl/UndeclaredThrowableTransformer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/NoOp.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ConfigurableConversionService.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/EnumToIntegerConverter.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/CommandLineArgs.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/AssignableTypeFilter.java

*

/spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/EnumToStringConverter.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ZoneIdToTimeZoneConverter.java

```
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/backoff/BackOffExecution.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/TypeFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/ConverterRegistry.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/ConfigurablePropertyResolver.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/CharacterToNumberFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/ErrorHandler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToPropertiesConverter.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/core/convert/support/ZonedDateTimeToCalendarConverter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/io/ProtocolResolver.java
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```
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/ConversionException.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/TypeHint.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/ResolvableType.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DefaultDataBuffer.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/OrderUtils.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ObjectToObjectConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ArrayToArrayConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/task/SimpleAsyncTaskExecutor.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/ResourceUtils.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotatedMethod.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/annotation/RegisterReflectionForBinding.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/BridgeMethodResolver.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/MutablePropertySources.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/KotlinDetector.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/UrlResource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/unit/DataUnit.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/JavaSerializationHint.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ResourceBundleHint.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/ResourcePatternHint.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToRegexConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationsScanner.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/InputStreamSource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MergedAnnotationsCollection.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/Decoder.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/ConcurrencyThrottleSupport.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/core/type/filter/AbstractTypeHierarchyTraversingFilter.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/util/MultiValueMapAdapter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/SystemEnvironmentPropertySource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/TypeDescriptor.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/StringUtils.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/SimpleAliasRegistry.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/AccessControl.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/InputStreamResource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/StreamUtils.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/OutputStreamPublisher.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/metrics/DefaultApplicationStartup.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/SerializableTypeWrapper.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ResourceDecoder.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/Resource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DataBufferUtils.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/SerializationUtils.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/MethodIntrospector.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/GenericConversionService.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/CoroutinesUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/unit/DataSize.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/predicate/ReflectionHintsPredicates.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/generate/DefaultMethodReference.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/TypeMappedAnnotations.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/util/function/ThrowingFunction.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/MimeType.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/ClassUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/ReactiveTypeDescriptor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/PropertiesPropertySource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToBooleanConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/function/SupplierUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/JdkProxyHint.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/function/ThrowingConsumer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToPatternConverter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/annotation/Reflective.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/nativex/feature/PreComputeFieldFeature.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/BindingReflectionHintsRegistrar.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AnnotationAttributes.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/TypeMappedAnnotation.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/MapToMapConverter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/AttributeMethods.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/buffer/DataBuffer.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/function/ThrowingBiFunction.java
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```

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/style/ValueStyler.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/ContextResource.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/RegexPatternTypeFilter.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/ResizableByteArrayOutputStream.java

* /spring-core-6-1-21-sources-1-

jar/org/springframework/core/convert/support/FallbackObjectToStringConverter.java

*

/* /spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/DefaultSerializer.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/ConditionalGenericConverter.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/support/SerializationDelegate.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/util/AlternativeJdkIdGenerator.java

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- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ArrayToStringConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/StringToCollectionConverter.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ObjectToStringConverter.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/core/convert/support/CollectionToCollectionConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ObjectToCollectionConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/ExceptionTypeFilter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/StaxStreamHandler.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/converter/ConditionalConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/PropertiesToStringConverter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/AbstractClassTestingTypeFilter.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ArrayToObjectConverter.java

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* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassFilterTransformer.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/MulticastDelegate.java

*

/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/AbstractClassGenerator.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/EmitUtils.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/MixinEmitter.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/CallbackFilter.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/MethodWrapper.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/FixedValueGenerator.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/Proxy.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/InvocationHandlerGenerator.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/AsmApi.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/LazyLoaderGenerator.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/TypeUtils.java

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/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/Mixin.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/VisibilityPredicate.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BeanCopier.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/impl/AddStaticInitTransformer.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/FastMethod.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ReflectUtils.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/ClassTransformerChain.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/ImmutableBean.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/CollectionUtils.java

* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/FastClassEmitter.java

```
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/DebuggingClassWriter.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/cglib/transform/AbstractClassLoader.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BulkBeanEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/DispatcherGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/FastClass.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/NoOpGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/reflect/MethodDelegate.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/beans/BeanMapEmitter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/MethodProxy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/proxy/CallbackGenerator.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/CodeEmitter.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/SimpleTransformErrorListener.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/serializer/support/SerializationFailedException.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/style/StyleUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/InfrastructureProxy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/task/SyncTaskExecutor.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/xml/SimpleSaxErrorHandler.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/io/ClassRelativeResourceLoader.java
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- * /spring-core-6-1-21-sources-1-jar/org/springframework/objenesis/SpringObjenesis.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/backoff/FixedBackOff.java
- *
- /spring-core-6-1-21-sources-1-jar/org/springframework/core/env/CompositePropertySource.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/support/FilePatternResourceHintsRegistrar.java
- * /spring-core-6-1-21-sources-1-
- jar/org/springframework/core/io/support/PathMatchingResourcePatternResolver.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/util/backoff/ExponentialBackOff.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/support/SpringFactoriesLoaderRuntimeHints.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/aot/hint/RuntimeHintsRegistrar.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/task/TaskRejectedException.java
- * /spring-core-6-1-21-sources-1-jar/org/springframework/core/metrics/jfr/FlightRecorderApplicationStartup.java
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* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MissingMergedAnnotation.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MergedAnnotationSelector.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/PackagesAnnotationFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/cglib/core/ClassLoaderAwareGeneratorStrategy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/AbstractDecoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/convert/support/ConversionUtils.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ResourceEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/RouteMatcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/DecoratingProxy.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/DataBufferEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/PathMatcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/MergedAnnotationSelectors.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ByteArrayEncoder.java
*
/spring-core-6-1-21-sources-1-jar/org/springframework/core/Ordered.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/type/filter/AnnotationTypeFilter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ByteBufferEncoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/SynthesizingMethodParameter.java
* /spring-core-6-1-21-sources-1-
jar/org/springframework/core/convert/support/IntegerToEnumConverterFactory.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/ReactiveAdapter.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/codec/ByteArrayDecoder.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/util/SimpleRouteMatcher.java
* /spring-core-6-1-21-sources-1-jar/org/springframework/core/annotation/IntrospectionFailureLogger.java

```

1.136 jaxb-api 2.2.12

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- * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/util/JAXBSource.java
- * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/JAXBContext.java
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* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/DataBindingException.java
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 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/DomHandler.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/attachment/AttachmentMarshaller.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAccessOrder.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/W3CDomHandler.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlMimeType.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAccessType.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAccessorOrder.java
 * /jxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlInlineBinaryData.java
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- * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/package.html

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 * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlIDREF.java
 * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlType.java
 * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElement.java
 * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElements.java
 * /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElementRef.java

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* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlID.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlNsForm.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAttribute.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/JAXBIntrospector.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlRootElement.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlTransient.java
*
/jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElementDecl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlEnumValue.java
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* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/ParseConversionEventImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ValidationEvent.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/AbstractUnmarshallerImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/TypeConstraintException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ValidationEventLocator.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ValidationEventHandler.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/util/ValidationEventCollector.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/UnmarshalException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/DefaultValidationEventHandler.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/NotIdentifiableEventImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/DatatypeConverterInterface.java
*
/jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/JAXBException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/util/Messages.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/AbstractMarshallerImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ContextFinder.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/ValidationEventImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/DatatypeConverter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/MarshalException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ValidationException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/Messages.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/Validator.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/PrintConversionEventImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/UnmarshallerHandler.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/helpers/ValidationEventLocatorImpl.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/Element.java
*
/jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/NotIdentifiableEvent.java

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* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAnyElement.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElementWrapper.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlSchemaType.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAnyAttribute.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlMixed.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlList.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/SchemaOutputResolver.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlAttachmentRef.java

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* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/PropertyException.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/HexBinaryAdapter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/NormalizedStringAdapter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlRegistry.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/adapters/CollapsedStringAdapter.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlElementRefs.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/ParseConversionEvent.java
* /jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/PrintConversionEvent.java
*
/jaxb-api-2-2-12-sources-5-jar/javax/xml/bind/annotation/XmlNs.java
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- d)
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Maven Wrapper Jar

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<?xml version="1.0"?>

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:output method="html" encoding="utf-8" standalone="no" media-type="text/html" />

<xsl:param name="product"/>

<xsl:param name="version"/>

<xsl:variable name="lowercase" select="'abcdefghijklmnopqrstuvwxyz'" />

<xsl:variable name="uppercase" select="'ABCDEFGHIJKLMNOPQRSTUVWXYZ'" />

<xsl:template match="/">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />

<link rel="stylesheet" type="text/css" href="licenses.css"/>

</head>

<body>

<h2><xsl:value-of select="\$product"/><xsl:text> </xsl:text><xsl:value-of select="\$version"/></h2>

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```

        <!-- Read
matching templates -->
        <table>
            <tr>
                <th>Package</th>
                <th>Package Artifact</th>
                <th>Package Version</th>
                <th>Remote Licenses</th>
                <th>Local Licenses</th>
            </tr>
            <xsl:for-each select="licenseSummary/dependencies/dependency">
                <xsl:sort select="concat(groupId, '.', artifactId)"/>
                <tr>
                    <td><xsl:value-of select="concat(groupId, packageName)"/></td>
                    <td><xsl:value-of select="artifactId"/></td>
                    <td><xsl:value-of select="version"/></td>
                    <td>
                        <xsl:for-each select="licenses/license">
                            <a href="{./url}"><xsl:value-of select="name"/></a><br/>
                        </xsl:for-each>
                    </td>
                    <td>
                        <xsl:for-each select="licenses/license">
                            <xsl:variable name="name" select="translate(name,$uppercase,$lowercase)" />
                            <xsl:variable name="last-index">
                                <xsl:call-template name="last-index-of">
                                    <xsl:with-param name="txt" select="url"/>
                                    <xsl:with-param name="delimiter" select=""/"/>
                                </xsl:call-template>
                            </xsl:variable>
                            <xsl:variable name="prefix" select="concat($name,' - ')" />
                            <xsl:variable name="postfix" select="substring(url,$last-index+1)" />
                            <xsl:variable name="filename">

                                <xsl:call-template name="remap-local-filename">
                                    <xsl:with-param name="filename"
select="concat($prefix,translate($postfix,$uppercase,$lowercase))" />
                                </xsl:call-template>
                            </xsl:variable>
                            <a href="{ $filename}"><xsl:value-of select="$filename"/></a><br/>
                        </xsl:for-each>
                    </td>
                </tr>
            </xsl:for-each>
        </table>
    </body>
</html>
</xsl:template>

```

```

<xsl:template name="last-index-of">
  <xsl:param name="txt"/>
  <xsl:param name="remainder" select="$txt"/>
  <xsl:param name="delimiter" select=" " />

  <xsl:choose>
    <xsl:when test="contains($remainder, $delimiter)">
      <xsl:call-template name="last-index-of">
        <xsl:with-param
name="txt" select="$txt"/>
        <xsl:with-param name="remainder" select="substring-after($remainder, $delimiter)"/>
        <xsl:with-param name="delimiter" select="$delimiter"/>
      </xsl:call-template>
    </xsl:when>
    <xsl:otherwise>
      <xsl:variable name="lastIndex" select="string-length(substring($txt, 1, string-length($txt)-string-
length($remainder)))+1"/>
      <xsl:choose>
        <xsl:when test="string-length($remainder)=0">
          <xsl:value-of select="string-length($txt)"/>
        </xsl:when>
        <xsl:when test="$lastIndex>0">
          <xsl:value-of select="($lastIndex - string-length($delimiter))"/>
        </xsl:when>
        <xsl:otherwise>
          <xsl:value-of select="0"/>
        </xsl:otherwise>
      </xsl:choose>
    </xsl:otherwise>
  </xsl:choose>
</xsl:template>

<xsl:template name="remap-local-filename">
  <xsl:param name="filename"/>
  <xsl:choose>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '2-clause')">
      <xsl:text>bsd-2-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'bsd') and contains($filename, '3-clause')">
      <xsl:text>bsd-3-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '1.1')">
      <xsl:text>apache-1.1.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'apache') and contains($filename, '2.0')">
      <xsl:text>apache license 2.0.txt</xsl:text>
    </xsl:when>
  </xsl:choose>

```

```

<xsl:when test="contains($filename, 'jsr-000107')">
  <xsl:text>apache license 2.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename,
'cddl') and contains($filename, 'gplv2')">
  <xsl:text>cddl-gplv2-classpath.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'common public license')">
  <xsl:text>common public license 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="$filename = 'gnu library general public license, version 2 - lgpl-2.0.txt'">
  <xsl:text>gnu library general public license, version 2.txt</xsl:text>
</xsl:when>
<xsl:when test="$filename = 'lgpl.txt'">
  <xsl:text>gnu library general public license, version 2.txt</xsl:text>
</xsl:when>
<xsl:when test="$filename = 'the dom4j license - license'">
  <xsl:text>the dom4j license.txt</xsl:text>
</xsl:when>
<xsl:when test="$filename = 'creative commons attribution 2.5 - legalcode'">
  <xsl:text>creative commons attribution 2.5.html</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cddl+gpl_1_1')">
  <xsl:text>cddl-1.1-gpl-1-1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cddl+gpl-1.1')">
  <xsl:text>cddl-1.1-gpl-1-1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cddl.txt')">
  <xsl:text>common development and distribution license 1.1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'common development') and contains($filename, '1.1')">
  <xsl:text>common development and distribution license 1.1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'lgpl-2.1')">
  <xsl:text>gnu lesser general public license v2.1 only.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0')
and not(contains($filename, 'exception'))">
  <xsl:text>gnu general public license, version 2.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gnu general public license') and contains($filename, '2.0') and
contains($filename, 'exception')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gpl-2.0-ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>

```



```

<xsl:when test="contains($filename, 'gpl2 w/')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'gplv2+ce')">
  <xsl:text>gnu general public license v2.0 only, with classpath exception.txt</xsl:text>
</xsl:when>

<xsl:when test="contains($filename, 'epl-v10')">
  <xsl:text>eclipse public license 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'eclipse public license 1.0')">
  <xsl:text>eclipse public license 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'epl-2.0')">
  <xsl:text>eclipse public license 2.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'eclipse public license 2.0')">
  <xsl:text>eclipse public license 2.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'edl-1.0.txt')">
  <xsl:text>eclipse distribution license, version 1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'mit license')">
  <xsl:text>mit license.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename,
'mpl 1.1')">
  <xsl:text>mozilla public license 1.1.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'mozilla public license 2.0')">
  <xsl:text>mozilla public license 2.0.html</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'new bsd license')">
  <xsl:text>bsd-license.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'bsd style - license')">
  <xsl:text>xstream-bsd.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'bsd licence - license')">
  <xsl:text>antlr-bsd.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'the antlr 2.7.7 license')">
  <xsl:text>the antlr 2.7.7 license.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'cc0')">
  <xsl:text>cc0-1.0.txt</xsl:text>
</xsl:when>
<xsl:when test="contains($filename, 'creative commons zero v1.0')">

```

```

        <xsl:text>cc0-1.0.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'public domain')">
        <xsl:text>public domain.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'isc license')">
        <xsl:text>isc-license.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'unlicense')">
        <xsl:text>unlicense.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'sil open font license 1.1')">
        <xsl:text>ofl-1.1.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'bsd zero clause license')">
        <xsl:text>bsd-0-clause.txt</xsl:text>
    </xsl:when>
    <xsl:when test="$filename = 'indiana university extreme! lab software license
- license.txt'">
        <xsl:text>indiana university extreme! lab software license, version 1.1.1 - license.txt</xsl:text>
    </xsl:when>
    <xsl:when test="contains($filename, 'mit-0')">
        <xsl:text>mit-0.txt</xsl:text>
    </xsl:when>
    <xsl:otherwise>
        <xsl:value-of select="$filename"/>
    </xsl:otherwise>
</xsl:choose>
</xsl:template>
</xsl:stylesheet>

```

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software

sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

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Version 1.1 - 26 February 2007

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