| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Throwable.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/lang//class-useThrowable.html)    [**NO FRAMES**](http://docs.google.com/Throwable.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.lang.Throwable**

| Packages that use [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.color**](#2et92p0) | Provides classes for color spaces. |
| [**java.awt.datatransfer**](#tyjcwt) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.awt.dnd**](#3dy6vkm) | Drag and Drop is a direct manipulation gesture found in many Graphical User Interface systems that provides a mechanism to transfer information between two entities logically associated with presentation elements in the GUI. |
| [**java.awt.event**](#1t3h5sf) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.geom**](#4d34og8) | Provides the Java 2D classes for defining and performing operations on objects related to two-dimensional geometry. |
| [**java.awt.image**](#2s8eyo1) | Provides classes for creating and modifying images. |
| [**java.awt.print**](#17dp8vu) | Provides classes and interfaces for a general printing API. |
| [**java.beans**](#3rdcrjn) | Contains classes related to developing *beans* -- components based on the JavaBeansTM architecture. |
| [**java.io**](#26in1rg) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#lnxbz9) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.annotation**](#35nkun2) | Provides library support for the Java programming language annotation facility. |
| [**java.lang.instrument**](#1ksv4uv) | Provides services that allow Java programming language agents to instrument programs running on the JVM. |
| [**java.lang.reflect**](#44sinio) | Provides classes and interfaces for obtaining reflective information about classes and objects. |
| [**java.net**](#2jxsxqh) | Provides the classes for implementing networking applications. |
| [**java.nio**](#z337ya) | Defines buffers, which are containers for data, and provides an overview of the other NIO packages. |
| [**java.nio.channels**](#3j2qqm3) | Defines channels, which represent connections to entities that are capable of performing I/O operations, such as files and sockets; defines selectors, for multiplexed, non-blocking I/O operations. |
| [**java.nio.charset**](#1y810tw) | Defines charsets, decoders, and encoders, for translating between bytes and Unicode characters. |
| [**java.rmi**](#4i7ojhp) | Provides the RMI package. |
| [**java.rmi.activation**](#2xcytpi) | Provides support for RMI Object Activation. |
| [**java.rmi.server**](#1ci93xb) | Provides classes and interfaces for supporting the server side of RMI. |
| [**java.security**](#3whwml4) | Provides the classes and interfaces for the security framework. |
| [**java.security.acl**](#2bn6wsx) | The classes and interfaces in this package have been superseded by classes in the java.security package. |
| [**java.security.cert**](#qsh70q) | Provides classes and interfaces for parsing and managing certificates, certificate revocation lists (CRLs), and certification paths. |
| [**java.security.spec**](#3as4poj) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**java.sql**](#1pxezwc) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.text**](#49x2ik5) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**java.util**](#2p2csry) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**java.util.concurrent**](#147n2zr) | Utility classes commonly useful in concurrent programming. |
| [**java.util.jar**](#3o7alnk) | Provides classes for reading and writing the JAR (Java ARchive) file format, which is based on the standard ZIP file format with an optional manifest file. |
| [**java.util.logging**](#23ckvvd) | Provides the classes and interfaces of the JavaTM 2 platform's core logging facilities. |
| [**java.util.prefs**](#ihv636) | This package allows applications to store and retrieve user and system preference and configuration data. |
| [**java.util.regex**](#32hioqz) | Classes for matching character sequences against patterns specified by regular expressions. |
| [**java.util.zip**](#1hmsyys) | Provides classes for reading and writing the standard ZIP and GZIP file formats. |
| [**javax.activation**](#41mghml) |  |
| [**javax.activity**](#2grqrue) | Contains Activity service related exceptions thrown by the ORB machinery during unmarshalling. |
| [**javax.annotation.processing**](#vx1227) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.crypto**](#3fwokq0) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.imageio**](#1v1yuxt) | The main package of the Java Image I/O API. |
| [**javax.imageio.metadata**](#4f1mdlm) | A package of the Java Image I/O API dealing with reading and writing metadata. |
| [**javax.imageio.spi**](#2u6wntf) | A package of the Java Image I/O API containing the plug-in interfaces for readers, writers, transcoders, and streams, and a runtime registry. |
| [**javax.imageio.stream**](#19c6y18) | A package of the Java Image I/O API dealing with low-level I/O from files and streams. |
| [**javax.lang.model.element**](#3tbugp1) | Interfaces used to model elements of the Java programming language. |
| [**javax.lang.model.type**](#28h4qwu) | Interfaces used to model Java programming language types. |
| [**javax.management**](#nmf14n) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.modelmbean**](#37m2jsg) | Provides the definition of the ModelMBean classes. |
| [**javax.management.monitor**](#1mrcu09) | Provides the definition of the monitor classes. |
| [**javax.management.openmbean**](#46r0co2) | Provides the open data types and Open MBean descriptor classes. |
| [**javax.management.relation**](#2lwamvv) | Provides the definition of the Relation Service. |
| [**javax.management.remote**](#111kx3o) | Interfaces for remote access to JMX MBean servers. |
| [**javax.naming**](#3l18frh) | Provides the classes and interfaces for accessing naming services. |
| [**javax.naming.directory**](#206ipza) | Extends the javax.naming package to provide functionality for accessing directory services. |
| [**javax.naming.ldap**](#4k668n3) | Provides support for LDAPv3 extended operations and controls. |
| [**javax.net.ssl**](#2zbgiuw) | Provides classes for the secure socket package. |
| [**javax.print**](#1egqt2p) | Provides the principal classes and interfaces for the JavaTM Print Service API. |
| [**javax.print.attribute**](#3ygebqi) | Provides classes and interfaces that describe the types of JavaTM Print Service attributes and how they can be collected into attribute sets. |
| [**javax.rmi.CORBA**](#2dlolyb) | Contains portability APIs for RMI-IIOP. |
| [**javax.script**](#sqyw64) | The scripting API consists of interfaces and classes that define Java TM Scripting Engines and provides a framework for their use in Java applications. |
| [**javax.security.auth**](#3cqmetx) | This package provides a framework for authentication and authorization. |
| [**javax.security.auth.callback**](#1rvwp1q) | This package provides the classes necessary for services to interact with applications in order to retrieve information (authentication data including usernames or passwords, for example) or to display information (error and warning messages, for example). |
| [**javax.security.auth.login**](#4bvk7pj) | This package provides a pluggable authentication framework. |
| [**javax.security.cert**](#2r0uhxc) | Provides classes for public key certificates. |
| [**javax.security.sasl**](#1664s55) | Contains class and interfaces for supporting SASL. |
| [**javax.sound.midi**](#3q5sasy) | Provides interfaces and classes for I/O, sequencing, and synthesis of MIDI (Musical Instrument Digital Interface) data. |
| [**javax.sound.sampled**](#25b2l0r) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sql.rowset**](#kgcv8k) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#34g0dwd) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.sql.rowset.spi**](#1jlao46) | The standard classes and interfaces that a third party vendor has to use in its implementation of a synchronization provider. |
| [**javax.swing**](#43ky6rz) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.text**](#2iq8gzs) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.tree**](#xvir7l) | Provides classes and interfaces for dealing with javax.swing.JTree. |
| [**javax.swing.undo**](#3hv69ve) | Allows developers to provide support for undo/redo in applications such as text editors. |
| [**javax.transaction**](#1x0gk37) | Contains three exceptions thrown by the ORB machinery during unmarshalling. |
| [**javax.transaction.xa**](#4h042r0) | Provides the API that defines the contract between the transaction manager and the resource manager, which allows the transaction manager to enlist and delist resource objects (supplied by the resource manager driver) in JTA transactions. |
| [**javax.xml.bind**](#2w5ecyt) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.bind.helpers**](#1baon6m) | **JAXB Provider Use Only:** Provides partial default implementations for some of the javax.xml.bind interfaces. |
| [**javax.xml.crypto**](#3vac5uf) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dsig**](#2afmg28) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.datatype**](#pkwqa1) | XML/Java Type Mappings. |
| [**javax.xml.parsers**](#39kk8xu) | Provides classes allowing the processing of XML documents. |
| [**javax.xml.soap**](#1opuj5n) | Provides the API for creating and building SOAP messages. |
| [**javax.xml.stream**](#48pi1tg) |  |
| [**javax.xml.transform**](#2nusc19) | This package defines the generic APIs for processing transformation instructions, and performing a transformation from source to result. |
| [**javax.xml.ws**](#1302m92) | This package contains the core JAX-WS APIs. |
| [**javax.xml.ws.http**](#3mzq4wv) | This package defines APIs specific to the HTTP binding. |
| [**javax.xml.ws.soap**](#2250f4o) | This package defines APIs specific to the SOAP binding. |
| [**javax.xml.xpath**](#haapch) | This package provides an *object-model neutral* API for the evaluation of XPath expressions and access to the evaluation environment. |
| [**org.ietf.jgss**](#319y80a) | This package presents a framework that allows application developers to make use of security services like authentication, data integrity and data confidentiality from a variety of underlying security mechanisms like Kerberos, using a unified API. |
| [**org.omg.CORBA**](#1gf8i83) | Provides the mapping of the OMG CORBA APIs to the JavaTM programming language, including the class ORB, which is implemented so that a programmer can use it as a fully-functional Object Request Broker (ORB). |
| [**org.omg.CORBA.DynAnyPackage**](#40ew0vw) | Provides the exceptions used with the DynAny interface (InvalidValue, Invalid, InvalidSeq, and TypeMismatch). |
| [**org.omg.CORBA.ORBPackage**](#2fk6b3p) | Provides the exception InvalidName, which is thrown by the method ORB.resolve\_initial\_references and the exception InconsistentTypeCode, which is thrown by the Dynamic Any creation methods in the ORB class. |
| [**org.omg.CORBA.portable**](#upglbi) | Provides a portability layer, that is, a set of ORB APIs that makes it possible for code generated by one vendor to run on another vendor's ORB. |
| [**org.omg.CORBA.TypeCodePackage**](#3ep43zb) | Provides the user-defined exceptions BadKind and Bounds, which are thrown by methods in in the class TypeCode. |
| [**org.omg.CosNaming.NamingContextExtPackage**](#1tuee74) | This package contains the following classes, which are used in org.omg.CosNaming.NamingContextExt: |
| [**org.omg.CosNaming.NamingContextPackage**](#4du1wux) | This package contains Exception classes for the org.omg.CosNaming package. |
| [**org.omg.IOP.CodecFactoryPackage**](#2szc72q) | This package contains the exceptions specified in the IOP::CodeFactory interface (as part of the Portable Interceptors spec). |
| [**org.omg.IOP.CodecPackage**](#184mhaj) | This package is generated from the IOP::Codec IDL interface definition. |
| [**org.omg.PortableInterceptor**](#3s49zyc) | Provides a mechanism to register ORB hooks through which ORB services can intercept the normal flow of execution of the ORB. |
| [**org.omg.PortableInterceptor.ORBInitInfoPackage**](#279ka65) | This package contains the exceptions and typedefs from the ORBInitInfo local interface of the PortableInterceptor module specified in the OMG Portable Interceptor specification, <http://cgi.omg.org/cgi-bin/doc?ptc/2000-08-06>, section 21.7.2. |
| [**org.omg.PortableServer**](#meukdy) | Provides classes and interfaces for making the server side of your applications portable across multivendor ORBs. |
| [**org.omg.PortableServer.CurrentPackage**](#36ei31r) | Provides method implementations with access to the identity of the object on which the method was invoked. |
| [**org.omg.PortableServer.POAManagerPackage**](#1ljsd9k) | Encapsulates the processing state of the POAs it is associated with. |
| [**org.omg.PortableServer.POAPackage**](#45jfvxd) | Allows programmers to construct object implementations that are portable between different ORB products. |
| [**org.w3c.dom**](#2koq656) | Provides the interfaces for the Document Object Model (DOM) which is a component API of the [Java API for XML Processing](http://java.sun.com/xml). |
| [**org.w3c.dom.events**](#zu0gcz) |  |
| [**org.w3c.dom.ls**](#3jtnz0s) |  |
| [**org.xml.sax**](#1yyy98l) | This package provides the core SAX APIs. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| class | [**AWTError**](http://docs.google.com/java/awt/AWTError.html)            Thrown when a serious Abstract Window Toolkit error has occurred. |
| class | [**AWTException**](http://docs.google.com/java/awt/AWTException.html)            Signals that an Absract Window Toolkit exception has occurred. |
| class | [**FontFormatException**](http://docs.google.com/java/awt/FontFormatException.html)            Thrown by method createFont in the Font class to indicate that the specified font is bad. |
| class | [**HeadlessException**](http://docs.google.com/java/awt/HeadlessException.html)            Thrown when code that is dependent on a keyboard, display, or mouse is called in an environment that does not support a keyboard, display, or mouse. |
| class | [**IllegalComponentStateException**](http://docs.google.com/java/awt/IllegalComponentStateException.html)            Signals that an AWT component is not in an appropriate state for the requested operation. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| protected  void | **Font.**[**finalize**](http://docs.google.com/java/awt/Font.html#finalize())()            Disposes the native Font object. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.color](http://docs.google.com/java/awt/color/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.color](http://docs.google.com/java/awt/color/package-summary.html) | |
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| class | [**CMMException**](http://docs.google.com/java/awt/color/CMMException.html)            This exception is thrown if the native CMM returns an error. |
| class | [**ProfileDataException**](http://docs.google.com/java/awt/color/ProfileDataException.html)            This exception is thrown when an error occurs in accessing or processing an ICC\_Profile object. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
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| class | [**MimeTypeParseException**](http://docs.google.com/java/awt/datatransfer/MimeTypeParseException.html)            A class to encapsulate MimeType parsing related exceptions |
| class | [**UnsupportedFlavorException**](http://docs.google.com/java/awt/datatransfer/UnsupportedFlavorException.html)            Signals that the requested data is not supported in this flavor. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
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| class | [**InvalidDnDOperationException**](http://docs.google.com/java/awt/dnd/InvalidDnDOperationException.html)            This exception is thrown by various methods in the java.awt.dnd package. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
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| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **InvocationEvent.**[**getThrowable**](http://docs.google.com/java/awt/event/InvocationEvent.html#getThrowable())()            Returns any Throwable caught while executing the Runnable's run() method. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.geom](http://docs.google.com/java/awt/geom/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.geom](http://docs.google.com/java/awt/geom/package-summary.html) | |
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| class | [**IllegalPathStateException**](http://docs.google.com/java/awt/geom/IllegalPathStateException.html)            The IllegalPathStateException represents an exception that is thrown if an operation is performed on a path that is in an illegal state with respect to the particular operation being performed, such as appending a path segment to a [GeneralPath](http://docs.google.com/java/awt/geom/GeneralPath.html) without an initial moveto. |
| class | [**NoninvertibleTransformException**](http://docs.google.com/java/awt/geom/NoninvertibleTransformException.html)            The NoninvertibleTransformException class represents an exception that is thrown if an operation is performed requiring the inverse of an [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) object but the AffineTransform is in a non-invertible state. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
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| class | [**ImagingOpException**](http://docs.google.com/java/awt/image/ImagingOpException.html)            The ImagingOpException is thrown if one of the [BufferedImageOp](http://docs.google.com/java/awt/image/BufferedImageOp.html) or [RasterOp](http://docs.google.com/java/awt/image/RasterOp.html) filter methods cannot process the image. |
| class | [**RasterFormatException**](http://docs.google.com/java/awt/image/RasterFormatException.html)            The RasterFormatException is thrown if there is invalid layout information in the [Raster](http://docs.google.com/java/awt/image/Raster.html). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.print](http://docs.google.com/java/awt/print/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.awt.print](http://docs.google.com/java/awt/print/package-summary.html) | |
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| class | [**PrinterAbortException**](http://docs.google.com/java/awt/print/PrinterAbortException.html)            The PrinterAbortException class is a subclass of [PrinterException](http://docs.google.com/java/awt/print/PrinterException.html) and is used to indicate that a user or application has terminated the print job while it was in the process of printing. |
| class | [**PrinterException**](http://docs.google.com/java/awt/print/PrinterException.html)            The PrinterException class and its subclasses are used to indicate that an exceptional condition has occurred in the print system. |
| class | [**PrinterIOException**](http://docs.google.com/java/awt/print/PrinterIOException.html)            The PrinterIOException class is a subclass of [PrinterException](http://docs.google.com/java/awt/print/PrinterException.html) and is used to indicate that an IO error of some sort has occurred while printing. |

| Methods in [java.awt.print](http://docs.google.com/java/awt/print/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **PrinterIOException.**[**getCause**](http://docs.google.com/java/awt/print/PrinterIOException.html#getCause())()            Returns the the cause of this exception (the IOException that terminated the print job). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
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| class | [**IntrospectionException**](http://docs.google.com/java/beans/IntrospectionException.html)            Thrown when an exception happens during Introspection. |
| class | [**PropertyVetoException**](http://docs.google.com/java/beans/PropertyVetoException.html)            A PropertyVetoException is thrown when a proposed change to a property represents an unacceptable value. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
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| class | [**CharConversionException**](http://docs.google.com/java/io/CharConversionException.html)            Base class for character conversion exceptions. |
| class | [**EOFException**](http://docs.google.com/java/io/EOFException.html)            Signals that an end of file or end of stream has been reached unexpectedly during input. |
| class | [**FileNotFoundException**](http://docs.google.com/java/io/FileNotFoundException.html)            Signals that an attempt to open the file denoted by a specified pathname has failed. |
| class | [**InterruptedIOException**](http://docs.google.com/java/io/InterruptedIOException.html)            Signals that an I/O operation has been interrupted. |
| class | [**InvalidClassException**](http://docs.google.com/java/io/InvalidClassException.html)            Thrown when the Serialization runtime detects one of the following problems with a Class. |
| class | [**InvalidObjectException**](http://docs.google.com/java/io/InvalidObjectException.html)            Indicates that one or more deserialized objects failed validation tests. |
| class | [**IOError**](http://docs.google.com/java/io/IOError.html)            Thrown when a serious I/O error has occurred. |
| class | [**IOException**](http://docs.google.com/java/io/IOException.html)            Signals that an I/O exception of some sort has occurred. |
| class | [**NotActiveException**](http://docs.google.com/java/io/NotActiveException.html)            Thrown when serialization or deserialization is not active. |
| class | [**NotSerializableException**](http://docs.google.com/java/io/NotSerializableException.html)            Thrown when an instance is required to have a Serializable interface. |
| class | [**ObjectStreamException**](http://docs.google.com/java/io/ObjectStreamException.html)            Superclass of all exceptions specific to Object Stream classes. |
| class | [**OptionalDataException**](http://docs.google.com/java/io/OptionalDataException.html)            Exception indicating the failure of an object read operation due to unread primitive data, or the end of data belonging to a serialized object in the stream. |
| class | [**StreamCorruptedException**](http://docs.google.com/java/io/StreamCorruptedException.html)            Thrown when control information that was read from an object stream violates internal consistency checks. |
| class | [**SyncFailedException**](http://docs.google.com/java/io/SyncFailedException.html)            Signals that a sync operation has failed. |
| class | [**UnsupportedEncodingException**](http://docs.google.com/java/io/UnsupportedEncodingException.html)            The Character Encoding is not supported. |
| class | [**UTFDataFormatException**](http://docs.google.com/java/io/UTFDataFormatException.html)            Signals that a malformed string in [modified UTF-8](http://docs.google.com/java/io/DataInput.html#modified-utf-8) format has been read in a data input stream or by any class that implements the data input interface. |
| class | [**WriteAbortedException**](http://docs.google.com/java/io/WriteAbortedException.html)            Signals that one of the ObjectStreamExceptions was thrown during a write operation. |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **WriteAbortedException.**[**getCause**](http://docs.google.com/java/io/WriteAbortedException.html#getCause())()            Returns the exception that terminated the operation (the *cause*). |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**IOError**](http://docs.google.com/java/io/IOError.html#IOError(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new instance of IOError with the specified cause. |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an IOException with the specified detail message and cause. |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an IOException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
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| class | [**AbstractMethodError**](http://docs.google.com/java/lang/AbstractMethodError.html)            Thrown when an application tries to call an abstract method. |
| class | [**ArithmeticException**](http://docs.google.com/java/lang/ArithmeticException.html)            Thrown when an exceptional arithmetic condition has occurred. |
| class | [**ArrayIndexOutOfBoundsException**](http://docs.google.com/java/lang/ArrayIndexOutOfBoundsException.html)            Thrown to indicate that an array has been accessed with an illegal index. |
| class | [**ArrayStoreException**](http://docs.google.com/java/lang/ArrayStoreException.html)            Thrown to indicate that an attempt has been made to store the wrong type of object into an array of objects. |
| class | [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html)            Thrown to indicate that an assertion has failed. |
| class | [**ClassCastException**](http://docs.google.com/java/lang/ClassCastException.html)            Thrown to indicate that the code has attempted to cast an object to a subclass of which it is not an instance. |
| class | [**ClassCircularityError**](http://docs.google.com/java/lang/ClassCircularityError.html)            Thrown when a circularity has been detected while initializing a class. |
| class | [**ClassFormatError**](http://docs.google.com/java/lang/ClassFormatError.html)            Thrown when the Java Virtual Machine attempts to read a class file and determines that the file is malformed or otherwise cannot be interpreted as a class file. |
| class | [**ClassNotFoundException**](http://docs.google.com/java/lang/ClassNotFoundException.html)            Thrown when an application tries to load in a class through its string name using: The forName method in class Class. |
| class | [**CloneNotSupportedException**](http://docs.google.com/java/lang/CloneNotSupportedException.html)            Thrown to indicate that the clone method in class Object has been called to clone an object, but that the object's class does not implement the Cloneable interface. |
| class | [**EnumConstantNotPresentException**](http://docs.google.com/java/lang/EnumConstantNotPresentException.html)            Thrown when an application tries to access an enum constant by name and the enum type contains no constant with the specified name. |
| class | [**Error**](http://docs.google.com/java/lang/Error.html)            An Error is a subclass of Throwable that indicates serious problems that a reasonable application should not try to catch. |
| class | [**Exception**](http://docs.google.com/java/lang/Exception.html)            The class Exception and its subclasses are a form of Throwable that indicates conditions that a reasonable application might want to catch. |
| class | [**ExceptionInInitializerError**](http://docs.google.com/java/lang/ExceptionInInitializerError.html)            Signals that an unexpected exception has occurred in a static initializer. |
| class | [**IllegalAccessError**](http://docs.google.com/java/lang/IllegalAccessError.html)            Thrown if an application attempts to access or modify a field, or to call a method that it does not have access to. |
| class | [**IllegalAccessException**](http://docs.google.com/java/lang/IllegalAccessException.html)            An IllegalAccessException is thrown when an application tries to reflectively create an instance (other than an array), set or get a field, or invoke a method, but the currently executing method does not have access to the definition of the specified class, field, method or constructor. |
| class | [**IllegalArgumentException**](http://docs.google.com/java/lang/IllegalArgumentException.html)            Thrown to indicate that a method has been passed an illegal or inappropriate argument. |
| class | [**IllegalMonitorStateException**](http://docs.google.com/java/lang/IllegalMonitorStateException.html)            Thrown to indicate that a thread has attempted to wait on an object's monitor or to notify other threads waiting on an object's monitor without owning the specified monitor. |
| class | [**IllegalStateException**](http://docs.google.com/java/lang/IllegalStateException.html)            Signals that a method has been invoked at an illegal or inappropriate time. |
| class | [**IllegalThreadStateException**](http://docs.google.com/java/lang/IllegalThreadStateException.html)            Thrown to indicate that a thread is not in an appropriate state for the requested operation. |
| class | [**IncompatibleClassChangeError**](http://docs.google.com/java/lang/IncompatibleClassChangeError.html)            Thrown when an incompatible class change has occurred to some class definition. |
| class | [**IndexOutOfBoundsException**](http://docs.google.com/java/lang/IndexOutOfBoundsException.html)            Thrown to indicate that an index of some sort (such as to an array, to a string, or to a vector) is out of range. |
| class | [**InstantiationError**](http://docs.google.com/java/lang/InstantiationError.html)            Thrown when an application tries to use the Java new construct to instantiate an abstract class or an interface. |
| class | [**InstantiationException**](http://docs.google.com/java/lang/InstantiationException.html)            Thrown when an application tries to create an instance of a class using the newInstance method in class Class, but the specified class object cannot be instantiated. |
| class | [**InternalError**](http://docs.google.com/java/lang/InternalError.html)            Thrown to indicate some unexpected internal error has occurred in the Java Virtual Machine. |
| class | [**InterruptedException**](http://docs.google.com/java/lang/InterruptedException.html)            Thrown when a thread is waiting, sleeping, or otherwise occupied, and the thread is interrupted, either before or during the activity. |
| class | [**LinkageError**](http://docs.google.com/java/lang/LinkageError.html)            Subclasses of LinkageError indicate that a class has some dependency on another class; however, the latter class has incompatibly changed after the compilation of the former class. |
| class | [**NegativeArraySizeException**](http://docs.google.com/java/lang/NegativeArraySizeException.html)            Thrown if an application tries to create an array with negative size. |
| class | [**NoClassDefFoundError**](http://docs.google.com/java/lang/NoClassDefFoundError.html)            Thrown if the Java Virtual Machine or a ClassLoader instance tries to load in the definition of a class (as part of a normal method call or as part of creating a new instance using the new expression) and no definition of the class could be found. |
| class | [**NoSuchFieldError**](http://docs.google.com/java/lang/NoSuchFieldError.html)            Thrown if an application tries to access or modify a specified field of an object, and that object no longer has that field. |
| class | [**NoSuchFieldException**](http://docs.google.com/java/lang/NoSuchFieldException.html)            Signals that the class doesn't have a field of a specified name. |
| class | [**NoSuchMethodError**](http://docs.google.com/java/lang/NoSuchMethodError.html)            Thrown if an application tries to call a specified method of a class (either static or instance), and that class no longer has a definition of that method. |
| class | [**NoSuchMethodException**](http://docs.google.com/java/lang/NoSuchMethodException.html)            Thrown when a particular method cannot be found. |
| class | [**NullPointerException**](http://docs.google.com/java/lang/NullPointerException.html)            Thrown when an application attempts to use null in a case where an object is required. |
| class | [**NumberFormatException**](http://docs.google.com/java/lang/NumberFormatException.html)            Thrown to indicate that the application has attempted to convert a string to one of the numeric types, but that the string does not have the appropriate format. |
| class | [**OutOfMemoryError**](http://docs.google.com/java/lang/OutOfMemoryError.html)            Thrown when the Java Virtual Machine cannot allocate an object because it is out of memory, and no more memory could be made available by the garbage collector. |
| class | [**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html)            RuntimeException is the superclass of those exceptions that can be thrown during the normal operation of the Java Virtual Machine. |
| class | [**SecurityException**](http://docs.google.com/java/lang/SecurityException.html)            Thrown by the security manager to indicate a security violation. |
| class | [**StackOverflowError**](http://docs.google.com/java/lang/StackOverflowError.html)            Thrown when a stack overflow occurs because an application recurses too deeply. |
| class | [**StringIndexOutOfBoundsException**](http://docs.google.com/java/lang/StringIndexOutOfBoundsException.html)            Thrown by String methods to indicate that an index is either negative or greater than the size of the string. |
| class | [**ThreadDeath**](http://docs.google.com/java/lang/ThreadDeath.html)            An instance of ThreadDeath is thrown in the victim thread when the stop method with zero arguments in class Thread is called. |
| class | [**TypeNotPresentException**](http://docs.google.com/java/lang/TypeNotPresentException.html)            Thrown when an application tries to access a type using a string representing the type's name, but no definition for the type with the specified name can be found. |
| class | [**UnknownError**](http://docs.google.com/java/lang/UnknownError.html)            Thrown when an unknown but serious exception has occurred in the Java Virtual Machine. |
| class | [**UnsatisfiedLinkError**](http://docs.google.com/java/lang/UnsatisfiedLinkError.html)            Thrown if the Java Virtual Machine cannot find an appropriate native-language definition of a method declared native. |
| class | [**UnsupportedClassVersionError**](http://docs.google.com/java/lang/UnsupportedClassVersionError.html)            Thrown when the Java Virtual Machine attempts to read a class file and determines that the major and minor version numbers in the file are not supported. |
| class | [**UnsupportedOperationException**](http://docs.google.com/java/lang/UnsupportedOperationException.html)            Thrown to indicate that the requested operation is not supported. |
| class | [**VerifyError**](http://docs.google.com/java/lang/VerifyError.html)            Thrown when the "verifier" detects that a class file, though well formed, contains some sort of internal inconsistency or security problem. |
| class | [**VirtualMachineError**](http://docs.google.com/java/lang/VirtualMachineError.html)            Thrown to indicate that the Java Virtual Machine is broken or has run out of resources necessary for it to continue operating. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **Throwable.**[**fillInStackTrace**](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace())()            Fills in the execution stack trace. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ExceptionInInitializerError.**[**getCause**](http://docs.google.com/java/lang/ExceptionInInitializerError.html#getCause())()            Returns the cause of this error (the exception that occurred during a static initialization that caused this error to be created). |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ClassNotFoundException.**[**getCause**](http://docs.google.com/java/lang/ClassNotFoundException.html#getCause())()            Returns the cause of this exception (the exception that was raised if an error occurred while attempting to load the class; otherwise null). |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **Throwable.**[**getCause**](http://docs.google.com/java/lang/Throwable.html#getCause())()            Returns the cause of this throwable or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ExceptionInInitializerError.**[**getException**](http://docs.google.com/java/lang/ExceptionInInitializerError.html#getException())()            Returns the exception that occurred during a static initialization that caused this error to be created. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ClassNotFoundException.**[**getException**](http://docs.google.com/java/lang/ClassNotFoundException.html#getException())()            Returns the exception that was raised if an error occurred while attempting to load the class. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **Throwable.**[**initCause**](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the *cause* of this throwable to the specified value. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **Throwable.**[**initCause**](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the *cause* of this throwable to the specified value. |
| void | **Thread.**[**stop**](http://docs.google.com/java/lang/Thread.html#stop(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) obj)  **Deprecated.** *This method is inherently unsafe. See* [*Thread.stop()*](http://docs.google.com/java/lang/Thread.html#stop()) *for details. An additional danger of this method is that it may be used to generate exceptions that the target thread is unprepared to handle (including checked exceptions that the thread could not possibly throw, were it not for this method). For more information, see* [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **Thread.UncaughtExceptionHandler.**[**uncaughtException**](http://docs.google.com/java/lang/Thread.UncaughtExceptionHandler.html#uncaughtException(java.lang.Thread,%20java.lang.Throwable))([Thread](http://docs.google.com/java/lang/Thread.html) t, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Method invoked when the given thread terminates due to the given uncaught exception. |
| void | **ThreadGroup.**[**uncaughtException**](http://docs.google.com/java/lang/ThreadGroup.html#uncaughtException(java.lang.Thread,%20java.lang.Throwable))([Thread](http://docs.google.com/java/lang/Thread.html) t, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Called by the Java Virtual Machine when a thread in this thread group stops because of an uncaught exception, and the thread does not have a specific [Thread.UncaughtExceptionHandler](http://docs.google.com/java/lang/Thread.UncaughtExceptionHandler.html) installed. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| protected  void | **Object.**[**finalize**](http://docs.google.com/java/lang/Object.html#finalize())()            Called by the garbage collector on an object when garbage collection determines that there are no more references to the object. |

| Constructors in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**ClassNotFoundException**](http://docs.google.com/java/lang/ClassNotFoundException.html#ClassNotFoundException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) s, [Throwable](http://docs.google.com/java/lang/Throwable.html) ex)            Constructs a ClassNotFoundException with the specified detail message and optional exception that was raised while loading the class. |
| [**Error**](http://docs.google.com/java/lang/Error.html#Error(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new error with the specified detail message and cause. |
| [**Error**](http://docs.google.com/java/lang/Error.html#Error(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new error with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**Exception**](http://docs.google.com/java/lang/Exception.html#Exception(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified detail message and cause. |
| [**Exception**](http://docs.google.com/java/lang/Exception.html#Exception(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**ExceptionInInitializerError**](http://docs.google.com/java/lang/ExceptionInInitializerError.html#ExceptionInInitializerError(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Constructs a new ExceptionInInitializerError class by saving a reference to the Throwable object thrown for later retrieval by the [ExceptionInInitializerError.getException()](http://docs.google.com/java/lang/ExceptionInInitializerError.html#getException()) method. |
| [**IllegalArgumentException**](http://docs.google.com/java/lang/IllegalArgumentException.html#IllegalArgumentException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified detail message and cause. |
| [**IllegalArgumentException**](http://docs.google.com/java/lang/IllegalArgumentException.html#IllegalArgumentException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**IllegalStateException**](http://docs.google.com/java/lang/IllegalStateException.html#IllegalStateException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified detail message and cause. |
| [**IllegalStateException**](http://docs.google.com/java/lang/IllegalStateException.html#IllegalStateException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html#RuntimeException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new runtime exception with the specified detail message and cause. |
| [**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html#RuntimeException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new runtime exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**SecurityException**](http://docs.google.com/java/lang/SecurityException.html#SecurityException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SecurityException with the specified detail message and cause. |
| [**SecurityException**](http://docs.google.com/java/lang/SecurityException.html#SecurityException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SecurityException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**Throwable**](http://docs.google.com/java/lang/Throwable.html#Throwable(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified detail message and cause. |
| [**Throwable**](http://docs.google.com/java/lang/Throwable.html#Throwable(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**TypeNotPresentException**](http://docs.google.com/java/lang/TypeNotPresentException.html#TypeNotPresentException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) typeName, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a TypeNotPresentException for the named type with the specified cause. |
| [**UnsupportedOperationException**](http://docs.google.com/java/lang/UnsupportedOperationException.html#UnsupportedOperationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified detail message and cause. |
| [**UnsupportedOperationException**](http://docs.google.com/java/lang/UnsupportedOperationException.html#UnsupportedOperationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) | |
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| class | [**AnnotationFormatError**](http://docs.google.com/java/lang/annotation/AnnotationFormatError.html)            Thrown when the annotation parser attempts to read an annotation from a class file and determines that the annotation is malformed. |
| class | [**AnnotationTypeMismatchException**](http://docs.google.com/java/lang/annotation/AnnotationTypeMismatchException.html)            Thrown to indicate that a program has attempted to access an element of an annotation whose type has changed after the annotation was compiled (or serialized). |
| class | [**IncompleteAnnotationException**](http://docs.google.com/java/lang/annotation/IncompleteAnnotationException.html)            Thrown to indicate that a program has attempted to access an element of an annotation type that was added to the annotation type definition after the annotation was compiled (or serialized). |

| Constructors in [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**AnnotationFormatError**](http://docs.google.com/java/lang/annotation/AnnotationFormatError.html#AnnotationFormatError(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new AnnotationFormatError with the specified detail message and cause. |
| [**AnnotationFormatError**](http://docs.google.com/java/lang/annotation/AnnotationFormatError.html#AnnotationFormatError(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new AnnotationFormatError with the specified cause and a detail message of (cause == null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.instrument](http://docs.google.com/java/lang/instrument/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.instrument](http://docs.google.com/java/lang/instrument/package-summary.html) | |
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| class | [**IllegalClassFormatException**](http://docs.google.com/java/lang/instrument/IllegalClassFormatException.html)            Thrown by an implementation of [ClassFileTransformer.transform](http://docs.google.com/java/lang/instrument/ClassFileTransformer.html#transform(java.lang.ClassLoader,%20java.lang.String,%20java.lang.Class,%20java.security.ProtectionDomain,%20byte%5B%5D)) when its input parameters are invalid. |
| class | [**UnmodifiableClassException**](http://docs.google.com/java/lang/instrument/UnmodifiableClassException.html)            Thrown by an implementation of [Instrumentation.redefineClasses](http://docs.google.com/java/lang/instrument/Instrumentation.html#redefineClasses(java.lang.instrument.ClassDefinition...)) when one of the specified classes cannot be modified. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) | |
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| class | [**GenericSignatureFormatError**](http://docs.google.com/java/lang/reflect/GenericSignatureFormatError.html)            Thrown when a syntactically malformed signature attribute is encountered by a reflective method that needs to interpret the generic signature information for a type, method or constructor. |
| class | [**InvocationTargetException**](http://docs.google.com/java/lang/reflect/InvocationTargetException.html)            InvocationTargetException is a checked exception that wraps an exception thrown by an invoked method or constructor. |
| class | [**MalformedParameterizedTypeException**](http://docs.google.com/java/lang/reflect/MalformedParameterizedTypeException.html)            Thrown when a semantically malformed parameterized type is encountered by a reflective method that needs to instantiate it. |
| class | [**UndeclaredThrowableException**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html)            Thrown by a method invocation on a proxy instance if its invocation handler's [invoke](http://docs.google.com/java/lang/reflect/InvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D)) method throws a checked exception (a Throwable that is not assignable to RuntimeException or Error) that is not assignable to any of the exception types declared in the throws clause of the method that was invoked on the proxy instance and dispatched to the invocation handler. |

| Methods in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **UndeclaredThrowableException.**[**getCause**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#getCause())()            Returns the cause of this exception (the Throwable instance wrapped in this UndeclaredThrowableException, which may be null). |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **InvocationTargetException.**[**getCause**](http://docs.google.com/java/lang/reflect/InvocationTargetException.html#getCause())()            Returns the cause of this exception (the thrown target exception, which may be null). |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **InvocationTargetException.**[**getTargetException**](http://docs.google.com/java/lang/reflect/InvocationTargetException.html#getTargetException())()            Get the thrown target exception. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **UndeclaredThrowableException.**[**getUndeclaredThrowable**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#getUndeclaredThrowable())()            Returns the Throwable instance wrapped in this UndeclaredThrowableException, which may be null. |

| Methods in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Object](http://docs.google.com/java/lang/Object.html) | **InvocationHandler.**[**invoke**](http://docs.google.com/java/lang/reflect/InvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) proxy, [Method](http://docs.google.com/java/lang/reflect/Method.html) method, [Object](http://docs.google.com/java/lang/Object.html)[] args)            Processes a method invocation on a proxy instance and returns the result. |

| Constructors in [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**InvocationTargetException**](http://docs.google.com/java/lang/reflect/InvocationTargetException.html#InvocationTargetException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) target)            Constructs a InvocationTargetException with a target exception. |
| [**InvocationTargetException**](http://docs.google.com/java/lang/reflect/InvocationTargetException.html#InvocationTargetException(java.lang.Throwable,%20java.lang.String))([Throwable](http://docs.google.com/java/lang/Throwable.html) target, [String](http://docs.google.com/java/lang/String.html) s)            Constructs a InvocationTargetException with a target exception and a detail message. |
| [**UndeclaredThrowableException**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#UndeclaredThrowableException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) undeclaredThrowable)            Constructs an UndeclaredThrowableException with the specified Throwable. |
| [**UndeclaredThrowableException**](http://docs.google.com/java/lang/reflect/UndeclaredThrowableException.html#UndeclaredThrowableException(java.lang.Throwable,%20java.lang.String))([Throwable](http://docs.google.com/java/lang/Throwable.html) undeclaredThrowable, [String](http://docs.google.com/java/lang/String.html) s)            Constructs an UndeclaredThrowableException with the specified Throwable and a detail message. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
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| class | [**BindException**](http://docs.google.com/java/net/BindException.html)            Signals that an error occurred while attempting to bind a socket to a local address and port. |
| class | [**HttpRetryException**](http://docs.google.com/java/net/HttpRetryException.html)            Thrown to indicate that a HTTP request needs to be retried but cannot be retried automatically, due to streaming mode being enabled. |
| class | [**MalformedURLException**](http://docs.google.com/java/net/MalformedURLException.html)            Thrown to indicate that a malformed URL has occurred. |
| class | [**NoRouteToHostException**](http://docs.google.com/java/net/NoRouteToHostException.html)            Signals that an error occurred while attempting to connect a socket to a remote address and port. |
| class | [**PortUnreachableException**](http://docs.google.com/java/net/PortUnreachableException.html)            Signals that an ICMP Port Unreachable message has been received on a connected datagram. |
| class | [**ProtocolException**](http://docs.google.com/java/net/ProtocolException.html)            Thrown to indicate that there is an error in the underlying protocol, such as a TCP error. |
| class | [**SocketException**](http://docs.google.com/java/net/SocketException.html)            Thrown to indicate that there is an error in the underlying protocol, such as a TCP error. |
| class | [**SocketTimeoutException**](http://docs.google.com/java/net/SocketTimeoutException.html)            Signals that a timeout has occurred on a socket read or accept. |
| class | [**UnknownHostException**](http://docs.google.com/java/net/UnknownHostException.html)            Thrown to indicate that the IP address of a host could not be determined. |
| class | [**UnknownServiceException**](http://docs.google.com/java/net/UnknownServiceException.html)            Thrown to indicate that an unknown service exception has occurred. |
| class | [**URISyntaxException**](http://docs.google.com/java/net/URISyntaxException.html)            Checked exception thrown to indicate that a string could not be parsed as a URI reference. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio](http://docs.google.com/java/nio/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio](http://docs.google.com/java/nio/package-summary.html) | |
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| class | [**BufferOverflowException**](http://docs.google.com/java/nio/BufferOverflowException.html)            Unchecked exception thrown when a relative *put* operation reaches the target buffer's limit. |
| class | [**BufferUnderflowException**](http://docs.google.com/java/nio/BufferUnderflowException.html)            Unchecked exception thrown when a relative *get* operation reaches the source buffer's limit. |
| class | [**InvalidMarkException**](http://docs.google.com/java/nio/InvalidMarkException.html)            Unchecked exception thrown when an attempt is made to reset a buffer when its mark is not defined. |
| class | [**ReadOnlyBufferException**](http://docs.google.com/java/nio/ReadOnlyBufferException.html)            Unchecked exception thrown when a content-mutation method such as put or compact is invoked upon a read-only buffer. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
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| class | [**AlreadyConnectedException**](http://docs.google.com/java/nio/channels/AlreadyConnectedException.html)            Unchecked exception thrown when an attempt is made to connect a [SocketChannel](http://docs.google.com/java/nio/channels/SocketChannel.html) that is already connected. |
| class | [**AsynchronousCloseException**](http://docs.google.com/java/nio/channels/AsynchronousCloseException.html)            Checked exception received by a thread when another thread closes the channel or the part of the channel upon which it is blocked in an I/O operation. |
| class | [**CancelledKeyException**](http://docs.google.com/java/nio/channels/CancelledKeyException.html)            Unchecked exception thrown when an attempt is made to use a selection key that is no longer valid. |
| class | [**ClosedByInterruptException**](http://docs.google.com/java/nio/channels/ClosedByInterruptException.html)            Checked exception received by a thread when another thread interrupts it while it is blocked in an I/O operation upon a channel. |
| class | [**ClosedChannelException**](http://docs.google.com/java/nio/channels/ClosedChannelException.html)            Checked exception thrown when an attempt is made to invoke or complete an I/O operation upon channel that is closed, or at least closed to that operation. |
| class | [**ClosedSelectorException**](http://docs.google.com/java/nio/channels/ClosedSelectorException.html)            Unchecked exception thrown when an attempt is made to invoke an I/O operation upon a closed selector. |
| class | [**ConnectionPendingException**](http://docs.google.com/java/nio/channels/ConnectionPendingException.html)            Unchecked exception thrown when an attempt is made to connect a [SocketChannel](http://docs.google.com/java/nio/channels/SocketChannel.html) for which a non-blocking connection operation is already in progress. |
| class | [**FileLockInterruptionException**](http://docs.google.com/java/nio/channels/FileLockInterruptionException.html)            Checked exception received by a thread when another thread interrupts it while it is waiting to acquire a file lock. |
| class | [**IllegalBlockingModeException**](http://docs.google.com/java/nio/channels/IllegalBlockingModeException.html)            Unchecked exception thrown when a blocking-mode-specific operation is invoked upon a channel in the incorrect blocking mode. |
| class | [**IllegalSelectorException**](http://docs.google.com/java/nio/channels/IllegalSelectorException.html)            Unchecked exception thrown when an attempt is made to register a channel with a selector that was not created by the provider that created the channel. |
| class | [**NoConnectionPendingException**](http://docs.google.com/java/nio/channels/NoConnectionPendingException.html)            Unchecked exception thrown when the [finishConnect](http://docs.google.com/java/nio/channels/SocketChannel.html#finishConnect()) method of a [SocketChannel](http://docs.google.com/java/nio/channels/SocketChannel.html) is invoked without first successfully invoking its [connect](http://docs.google.com/java/nio/channels/SocketChannel.html#connect(java.net.SocketAddress)) method. |
| class | [**NonReadableChannelException**](http://docs.google.com/java/nio/channels/NonReadableChannelException.html)            Unchecked exception thrown when an attempt is made to read from a channel that was not originally opened for reading. |
| class | [**NonWritableChannelException**](http://docs.google.com/java/nio/channels/NonWritableChannelException.html)            Unchecked exception thrown when an attempt is made to write to a channel that was not originally opened for writing. |
| class | [**NotYetBoundException**](http://docs.google.com/java/nio/channels/NotYetBoundException.html)            Unchecked exception thrown when an attempt is made to invoke an I/O operation upon a server socket channel that is not yet bound. |
| class | [**NotYetConnectedException**](http://docs.google.com/java/nio/channels/NotYetConnectedException.html)            Unchecked exception thrown when an attempt is made to invoke an I/O operation upon a socket channel that is not yet connected. |
| class | [**OverlappingFileLockException**](http://docs.google.com/java/nio/channels/OverlappingFileLockException.html)            Unchecked exception thrown when an attempt is made to acquire a lock on a region of a file that overlaps a region already locked by the same Java virtual machine, or when another thread is already waiting to lock an overlapping region of the same file. |
| class | [**UnresolvedAddressException**](http://docs.google.com/java/nio/channels/UnresolvedAddressException.html)            Unchecked exception thrown when an attempt is made to invoke a network operation upon an unresolved socket address. |
| class | [**UnsupportedAddressTypeException**](http://docs.google.com/java/nio/channels/UnsupportedAddressTypeException.html)            Unchecked exception thrown when an attempt is made to bind or connect to a socket address of a type that is not supported. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) | |
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| class | [**CharacterCodingException**](http://docs.google.com/java/nio/charset/CharacterCodingException.html)            Checked exception thrown when a character encoding or decoding error occurs. |
| class | [**CoderMalfunctionError**](http://docs.google.com/java/nio/charset/CoderMalfunctionError.html)            Error thrown when the [decodeLoop](http://docs.google.com/java/nio/charset/CharsetDecoder.html#decodeLoop(java.nio.ByteBuffer,%20java.nio.CharBuffer)) method of a [CharsetDecoder](http://docs.google.com/java/nio/charset/CharsetDecoder.html), or the [encodeLoop](http://docs.google.com/java/nio/charset/CharsetEncoder.html#encodeLoop(java.nio.CharBuffer,%20java.nio.ByteBuffer)) method of a [CharsetEncoder](http://docs.google.com/java/nio/charset/CharsetEncoder.html), throws an unexpected exception. |
| class | [**IllegalCharsetNameException**](http://docs.google.com/java/nio/charset/IllegalCharsetNameException.html)            Unchecked exception thrown when a string that is not a [legal charset name](http://docs.google.com/java/nio/charset/Charset.html#names) is used as such. |
| class | [**MalformedInputException**](http://docs.google.com/java/nio/charset/MalformedInputException.html)            Checked exception thrown when an input byte sequence is not legal for given charset, or an input character sequence is not a legal sixteen-bit Unicode sequence. |
| class | [**UnmappableCharacterException**](http://docs.google.com/java/nio/charset/UnmappableCharacterException.html)            Checked exception thrown when an input character (or byte) sequence is valid but cannot be mapped to an output byte (or character) sequence. |
| class | [**UnsupportedCharsetException**](http://docs.google.com/java/nio/charset/UnsupportedCharsetException.html)            Unchecked exception thrown when no support is available for a requested charset. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
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| class | [**AccessException**](http://docs.google.com/java/rmi/AccessException.html)            An AccessException is thrown by certain methods of the java.rmi.Naming class (specifically bind, rebind, and unbind) and methods of the java.rmi.activation.ActivationSystem interface to indicate that the caller does not have permission to perform the action requested by the method call. |
| class | [**AlreadyBoundException**](http://docs.google.com/java/rmi/AlreadyBoundException.html)            An AlreadyBoundException is thrown if an attempt is made to bind an object in the registry to a name that already has an associated binding. |
| class | [**ConnectException**](http://docs.google.com/java/rmi/ConnectException.html)            A ConnectException is thrown if a connection is refused to the remote host for a remote method call. |
| class | [**ConnectIOException**](http://docs.google.com/java/rmi/ConnectIOException.html)            A ConnectIOException is thrown if an IOException occurs while making a connection to the remote host for a remote method call. |
| class | [**NoSuchObjectException**](http://docs.google.com/java/rmi/NoSuchObjectException.html)            A NoSuchObjectException is thrown if an attempt is made to invoke a method on an object that no longer exists in the remote virtual machine. |
| class | [**NotBoundException**](http://docs.google.com/java/rmi/NotBoundException.html)            A NotBoundException is thrown if an attempt is made to lookup or unbind in the registry a name that has no associated binding. |
| class | [**RemoteException**](http://docs.google.com/java/rmi/RemoteException.html)            A RemoteException is the common superclass for a number of communication-related exceptions that may occur during the execution of a remote method call. |
| class | [**RMISecurityException**](http://docs.google.com/java/rmi/RMISecurityException.html)  **Deprecated.** *Use* [*SecurityException*](http://docs.google.com/java/lang/SecurityException.html) *instead. Application code should never directly reference this class, and RMISecurityManager no longer throws this subclass of java.lang.SecurityException.* |
| class | [**ServerError**](http://docs.google.com/java/rmi/ServerError.html)            A ServerError is thrown as a result of a remote method invocation when an Error is thrown while processing the invocation on the server, either while unmarshalling the arguments, executing the remote method itself, or marshalling the return value. |
| class | [**ServerException**](http://docs.google.com/java/rmi/ServerException.html)            A ServerException is thrown as a result of a remote method invocation when a RemoteException is thrown while processing the invocation on the server, either while unmarshalling the arguments or executing the remote method itself. |
| class | [**ServerRuntimeException**](http://docs.google.com/java/rmi/ServerRuntimeException.html)  **Deprecated.** *no replacement* |
| class | [**StubNotFoundException**](http://docs.google.com/java/rmi/StubNotFoundException.html)            A StubNotFoundException is thrown if a valid stub class could not be found for a remote object when it is exported. |
| class | [**UnexpectedException**](http://docs.google.com/java/rmi/UnexpectedException.html)            An UnexpectedException is thrown if the client of a remote method call receives, as a result of the call, a checked exception that is not among the checked exception types declared in the throws clause of the method in the remote interface. |
| class | [**UnmarshalException**](http://docs.google.com/java/rmi/UnmarshalException.html)            An UnmarshalException can be thrown while unmarshalling the parameters or results of a remote method call if any of the following conditions occur: if an exception occurs while unmarshalling the call header if the protocol for the return value is invalid if a java.io.IOException occurs unmarshalling parameters (on the server side) or the return value (on the client side). |

| Fields in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) declared as [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **RemoteException.**[**detail**](http://docs.google.com/java/rmi/RemoteException.html#detail)            The cause of the remote exception. |

| Methods in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **RemoteException.**[**getCause**](http://docs.google.com/java/rmi/RemoteException.html#getCause())()            Returns the cause of this exception. |

| Constructors in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**RemoteException**](http://docs.google.com/java/rmi/RemoteException.html#RemoteException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) s, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a RemoteException with the specified detail message and cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) | |
| --- | --- |
| class | [**ActivateFailedException**](http://docs.google.com/java/rmi/activation/ActivateFailedException.html)            This exception is thrown by the RMI runtime when activation fails during a remote call to an activatable object. |
| class | [**ActivationException**](http://docs.google.com/java/rmi/activation/ActivationException.html)            General exception used by the activation interfaces. |
| class | [**UnknownGroupException**](http://docs.google.com/java/rmi/activation/UnknownGroupException.html)            An UnknownGroupException is thrown by methods of classes and interfaces in the java.rmi.activation package when the ActivationGroupID parameter to the method is determined to be invalid, i.e., not known by the ActivationSystem. |
| class | [**UnknownObjectException**](http://docs.google.com/java/rmi/activation/UnknownObjectException.html)            An UnknownObjectException is thrown by methods of classes and interfaces in the java.rmi.activation package when the ActivationID parameter to the method is determined to be invalid. |

| Fields in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) declared as [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ActivationException.**[**detail**](http://docs.google.com/java/rmi/activation/ActivationException.html#detail)            The cause of the activation exception. |

| Methods in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ActivationException.**[**getCause**](http://docs.google.com/java/rmi/activation/ActivationException.html#getCause())()            Returns the cause of this exception. |

| Constructors in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**ActivationException**](http://docs.google.com/java/rmi/activation/ActivationException.html#ActivationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) s, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an ActivationException with the specified detail message and cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
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| class | [**ExportException**](http://docs.google.com/java/rmi/server/ExportException.html)            An ExportException is a RemoteException thrown if an attempt to export a remote object fails. |
| class | [**ServerCloneException**](http://docs.google.com/java/rmi/server/ServerCloneException.html)            A ServerCloneException is thrown if a remote exception occurs during the cloning of a UnicastRemoteObject. |
| class | [**ServerNotActiveException**](http://docs.google.com/java/rmi/server/ServerNotActiveException.html)            An ServerNotActiveException is an Exception thrown during a call to RemoteServer.getClientHost if the getClientHost method is called outside of servicing a remote method call. |
| class | [**SkeletonMismatchException**](http://docs.google.com/java/rmi/server/SkeletonMismatchException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SkeletonNotFoundException**](http://docs.google.com/java/rmi/server/SkeletonNotFoundException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SocketSecurityException**](http://docs.google.com/java/rmi/server/SocketSecurityException.html)            An obsolete subclass of [ExportException](http://docs.google.com/java/rmi/server/ExportException.html). |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ServerCloneException.**[**getCause**](http://docs.google.com/java/rmi/server/ServerCloneException.html#getCause())()            Returns the cause of this exception. |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **RemoteObjectInvocationHandler.**[**invoke**](http://docs.google.com/java/rmi/server/RemoteObjectInvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) proxy, [Method](http://docs.google.com/java/lang/reflect/Method.html) method, [Object](http://docs.google.com/java/lang/Object.html)[] args)            Processes a method invocation made on the encapsulating proxy instance, proxy, and returns the result. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
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| class | [**AccessControlException**](http://docs.google.com/java/security/AccessControlException.html)             This exception is thrown by the AccessController to indicate that a requested access (to a critical system resource such as the file system or the network) is denied. |
| class | [**DigestException**](http://docs.google.com/java/security/DigestException.html)            This is the generic Message Digest exception. |
| class | [**GeneralSecurityException**](http://docs.google.com/java/security/GeneralSecurityException.html)            The GeneralSecurityException class is a generic security exception class that provides type safety for all the security-related exception classes that extend from it. |
| class | [**InvalidAlgorithmParameterException**](http://docs.google.com/java/security/InvalidAlgorithmParameterException.html)            This is the exception for invalid or inappropriate algorithm parameters. |
| class | [**InvalidKeyException**](http://docs.google.com/java/security/InvalidKeyException.html)            This is the exception for invalid Keys (invalid encoding, wrong length, uninitialized, etc). |
| class | [**InvalidParameterException**](http://docs.google.com/java/security/InvalidParameterException.html)            This exception, designed for use by the JCA/JCE engine classes, is thrown when an invalid parameter is passed to a method. |
| class | [**KeyException**](http://docs.google.com/java/security/KeyException.html)            This is the basic key exception. |
| class | [**KeyManagementException**](http://docs.google.com/java/security/KeyManagementException.html)            This is the general key management exception for all operations dealing with key management. |
| class | [**KeyStoreException**](http://docs.google.com/java/security/KeyStoreException.html)            This is the generic KeyStore exception. |
| class | [**NoSuchAlgorithmException**](http://docs.google.com/java/security/NoSuchAlgorithmException.html)            This exception is thrown when a particular cryptographic algorithm is requested but is not available in the environment. |
| class | [**NoSuchProviderException**](http://docs.google.com/java/security/NoSuchProviderException.html)            This exception is thrown when a particular security provider is requested but is not available in the environment. |
| class | [**PrivilegedActionException**](http://docs.google.com/java/security/PrivilegedActionException.html)            This exception is thrown by doPrivileged(PrivilegedExceptionAction) and doPrivileged(PrivilegedExceptionAction, AccessControlContext context) to indicate that the action being performed threw a checked exception. |
| class | [**ProviderException**](http://docs.google.com/java/security/ProviderException.html)            A runtime exception for Provider exceptions (such as misconfiguration errors or unrecoverable internal errors), which may be subclassed by Providers to throw specialized, provider-specific runtime errors. |
| class | [**SignatureException**](http://docs.google.com/java/security/SignatureException.html)            This is the generic Signature exception. |
| class | [**UnrecoverableEntryException**](http://docs.google.com/java/security/UnrecoverableEntryException.html)            This exception is thrown if an entry in the keystore cannot be recovered. |
| class | [**UnrecoverableKeyException**](http://docs.google.com/java/security/UnrecoverableKeyException.html)            This exception is thrown if a key in the keystore cannot be recovered. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **PrivilegedActionException.**[**getCause**](http://docs.google.com/java/security/PrivilegedActionException.html#getCause())()            Returns the the cause of this exception (the exception thrown by the privileged computation that resulted in this PrivilegedActionException). |

| Constructors in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**DigestException**](http://docs.google.com/java/security/DigestException.html#DigestException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a DigestException with the specified detail message and cause. |
| [**DigestException**](http://docs.google.com/java/security/DigestException.html#DigestException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a DigestException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**GeneralSecurityException**](http://docs.google.com/java/security/GeneralSecurityException.html#GeneralSecurityException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a GeneralSecurityException with the specified detail message and cause. |
| [**GeneralSecurityException**](http://docs.google.com/java/security/GeneralSecurityException.html#GeneralSecurityException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a GeneralSecurityException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**InvalidAlgorithmParameterException**](http://docs.google.com/java/security/InvalidAlgorithmParameterException.html#InvalidAlgorithmParameterException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidAlgorithmParameterException with the specified detail message and cause. |
| [**InvalidAlgorithmParameterException**](http://docs.google.com/java/security/InvalidAlgorithmParameterException.html#InvalidAlgorithmParameterException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidAlgorithmParameterException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**InvalidKeyException**](http://docs.google.com/java/security/InvalidKeyException.html#InvalidKeyException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidKeyException with the specified detail message and cause. |
| [**InvalidKeyException**](http://docs.google.com/java/security/InvalidKeyException.html#InvalidKeyException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidKeyException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**KeyException**](http://docs.google.com/java/security/KeyException.html#KeyException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyException with the specified detail message and cause. |
| [**KeyException**](http://docs.google.com/java/security/KeyException.html#KeyException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**KeyManagementException**](http://docs.google.com/java/security/KeyManagementException.html#KeyManagementException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyManagementException with the specified detail message and cause. |
| [**KeyManagementException**](http://docs.google.com/java/security/KeyManagementException.html#KeyManagementException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyManagementException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**KeyStoreException**](http://docs.google.com/java/security/KeyStoreException.html#KeyStoreException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyStoreException with the specified detail message and cause. |
| [**KeyStoreException**](http://docs.google.com/java/security/KeyStoreException.html#KeyStoreException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a KeyStoreException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**NoSuchAlgorithmException**](http://docs.google.com/java/security/NoSuchAlgorithmException.html#NoSuchAlgorithmException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a NoSuchAlgorithmException with the specified detail message and cause. |
| [**NoSuchAlgorithmException**](http://docs.google.com/java/security/NoSuchAlgorithmException.html#NoSuchAlgorithmException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a NoSuchAlgorithmException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**ProviderException**](http://docs.google.com/java/security/ProviderException.html#ProviderException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a ProviderException with the specified detail message and cause. |
| [**ProviderException**](http://docs.google.com/java/security/ProviderException.html#ProviderException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a ProviderException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**SignatureException**](http://docs.google.com/java/security/SignatureException.html#SignatureException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SignatureException with the specified detail message and cause. |
| [**SignatureException**](http://docs.google.com/java/security/SignatureException.html#SignatureException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SignatureException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.acl](http://docs.google.com/java/security/acl/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.acl](http://docs.google.com/java/security/acl/package-summary.html) | |
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| class | [**AclNotFoundException**](http://docs.google.com/java/security/acl/AclNotFoundException.html)            This is an exception that is thrown whenever a reference is made to a non-existent ACL (Access Control List). |
| class | [**LastOwnerException**](http://docs.google.com/java/security/acl/LastOwnerException.html)            This is an exception that is thrown whenever an attempt is made to delete the last owner of an Access Control List. |
| class | [**NotOwnerException**](http://docs.google.com/java/security/acl/NotOwnerException.html)            This is an exception that is thrown whenever the modification of an object (such as an Access Control List) is only allowed to be done by an owner of the object, but the Principal attempting the modification is not an owner. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
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| class | [**CertPathBuilderException**](http://docs.google.com/java/security/cert/CertPathBuilderException.html)            An exception indicating one of a variety of problems encountered when building a certification path with a CertPathBuilder. |
| class | [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html)            An exception indicating one of a variety of problems encountered when validating a certification path. |
| class | [**CertStoreException**](http://docs.google.com/java/security/cert/CertStoreException.html)            An exception indicating one of a variety of problems retrieving certificates and CRLs from a CertStore. |
| class | [**CRLException**](http://docs.google.com/java/security/cert/CRLException.html)            CRL (Certificate Revocation List) Exception. |

| Constructors in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**CertificateEncodingException**](http://docs.google.com/java/security/cert/CertificateEncodingException.html#CertificateEncodingException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateEncodingException with the specified detail message and cause. |
| [**CertificateEncodingException**](http://docs.google.com/java/security/cert/CertificateEncodingException.html#CertificateEncodingException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateEncodingException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**CertificateException**](http://docs.google.com/java/security/cert/CertificateException.html#CertificateException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateException with the specified detail message and cause. |
| [**CertificateException**](http://docs.google.com/java/security/cert/CertificateException.html#CertificateException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**CertificateParsingException**](http://docs.google.com/java/security/cert/CertificateParsingException.html#CertificateParsingException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateParsingException with the specified detail message and cause. |
| [**CertificateParsingException**](http://docs.google.com/java/security/cert/CertificateParsingException.html#CertificateParsingException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertificateParsingException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**CertPathBuilderException**](http://docs.google.com/java/security/cert/CertPathBuilderException.html#CertPathBuilderException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathBuilderException with the specified detail message and cause. |
| [**CertPathBuilderException**](http://docs.google.com/java/security/cert/CertPathBuilderException.html#CertPathBuilderException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathBuilderException that wraps the specified throwable. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathValidatorException with the specified detail message and cause. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.String,%20java.lang.Throwable,%20java.security.cert.CertPath,%20int))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause, [CertPath](http://docs.google.com/java/security/cert/CertPath.html) certPath, int index)            Creates a CertPathValidatorException with the specified detail message, cause, certification path, and index. |
| [**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html#CertPathValidatorException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertPathValidatorException that wraps the specified throwable. |
| [**CertStoreException**](http://docs.google.com/java/security/cert/CertStoreException.html#CertStoreException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertStoreException with the specified detail message and cause. |
| [**CertStoreException**](http://docs.google.com/java/security/cert/CertStoreException.html#CertStoreException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CertStoreException that wraps the specified throwable. |
| [**CRLException**](http://docs.google.com/java/security/cert/CRLException.html#CRLException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CRLException with the specified detail message and cause. |
| [**CRLException**](http://docs.google.com/java/security/cert/CRLException.html#CRLException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a CRLException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
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| class | [**InvalidKeySpecException**](http://docs.google.com/java/security/spec/InvalidKeySpecException.html)            This is the exception for invalid key specifications. |
| class | [**InvalidParameterSpecException**](http://docs.google.com/java/security/spec/InvalidParameterSpecException.html)            This is the exception for invalid parameter specifications. |

| Constructors in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**InvalidKeySpecException**](http://docs.google.com/java/security/spec/InvalidKeySpecException.html#InvalidKeySpecException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidKeySpecException with the specified detail message and cause. |
| [**InvalidKeySpecException**](http://docs.google.com/java/security/spec/InvalidKeySpecException.html#InvalidKeySpecException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a InvalidKeySpecException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
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| class | [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when an error occurs during a batch update operation. |
| class | [**DataTruncation**](http://docs.google.com/java/sql/DataTruncation.html)            An exception thrown as a DataTruncation exception (on writes) or reported as a DataTruncation warning (on reads) when a data values is unexpectedly truncated for reasons other than its having execeeded MaxFieldSize. |
| class | [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) is thrown when one or more client info properties could not be set on a Connection. |
| class | [**SQLDataException**](http://docs.google.com/java/sql/SQLDataException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*22*'. |
| class | [**SQLException**](http://docs.google.com/java/sql/SQLException.html)            An exception that provides information on a database access error or other errors. |
| class | [**SQLFeatureNotSupportedException**](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*0A*' ( the value is 'zero' A). |
| class | [**SQLIntegrityConstraintViolationException**](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*23*'. |
| class | [**SQLInvalidAuthorizationSpecException**](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*28*'. |
| class | [**SQLNonTransientConnectionException**](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html)             The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown for the SQLState class value '*08*', representing that the connection operation that failed will not succeed when the operation is retried without the cause of the failure being corrected. |
| class | [**SQLNonTransientException**](http://docs.google.com/java/sql/SQLNonTransientException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when an instance where a retry of the same operation would fail unless the cause of the SQLException is corrected. |
| class | [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown in situations where a previously failed operation might be able to succeed if the application performs some recovery steps and retries the entire transaction or in the case of a distributed transaction, the transaction branch. |
| class | [**SQLSyntaxErrorException**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*42*'. |
| class | [**SQLTimeoutException**](http://docs.google.com/java/sql/SQLTimeoutException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the timeout specified by Statement has expired. |
| class | [**SQLTransactionRollbackException**](http://docs.google.com/java/sql/SQLTransactionRollbackException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) thrown when the SQLState class value is '*40*'. |
| class | [**SQLTransientConnectionException**](http://docs.google.com/java/sql/SQLTransientConnectionException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) for the SQLState class value '*08*', representing that the connection operation that failed might be able to succeed when the operation is retried without any application-level changes. |
| class | [**SQLTransientException**](http://docs.google.com/java/sql/SQLTransientException.html)            The subclass of [SQLException](http://docs.google.com/java/sql/SQLException.html) is thrown in situations where a previoulsy failed operation might be able to succeed when the operation is retried without any intervention by application-level functionality. |
| class | [**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html)            An exception that provides information on database access warnings. |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return types with arguments of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Iterator](http://docs.google.com/java/util/Iterator.html)<[Throwable](http://docs.google.com/java/lang/Throwable.html)> | **SQLException.**[**iterator**](http://docs.google.com/java/sql/SQLException.html#iterator())()            Returns an iterator over the chained SQLExceptions. |

| Constructors in [java.sql](http://docs.google.com/java/sql/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(int%5B%5D,%20java.lang.Throwable))(int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20int%5B%5D,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int%5B%5D,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, SQLState,cause, and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.String,%20java.lang.String,%20int,%20int%5B%5D,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, int[] updateCounts, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given reason, SQLState, vendorCode cause and updateCounts. |
| [**BatchUpdateException**](http://docs.google.com/java/sql/BatchUpdateException.html#BatchUpdateException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BatchUpdateException object initialized with a given cause. |
| [**DataTruncation**](http://docs.google.com/java/sql/DataTruncation.html#DataTruncation(int,%20boolean,%20boolean,%20int,%20int,%20java.lang.Throwable))(int index, boolean parameter, boolean read, int dataSize, int transferSize, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a DataTruncation object with the SQLState initialized to 01004 when read is set to true and 22001 when read is set to false, the reason set to "Data truncation", the vendor code set to 0, and the other fields set to the given values. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.util.Map,%20java.lang.Throwable))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given cause and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, cause and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20int,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState, cause, vendorCode and failedProperties. |
| [**SQLClientInfoException**](http://docs.google.com/java/sql/SQLClientInfoException.html#SQLClientInfoException(java.lang.String,%20java.lang.String,%20java.util.Map,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[ClientInfoStatus](http://docs.google.com/java/sql/ClientInfoStatus.html)> failedProperties, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLClientInfoException object initialized with a given reason, SQLState, cause and failedProperties. |
| [**SQLDataException**](http://docs.google.com/java/sql/SQLDataException.html#SQLDataException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLDataException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLDataException**](http://docs.google.com/java/sql/SQLDataException.html#SQLDataException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLDataException object with a given reason, SQLState and cause. |
| [**SQLDataException**](http://docs.google.com/java/sql/SQLDataException.html#SQLDataException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLDataException object with a given reason and cause. |
| [**SQLDataException**](http://docs.google.com/java/sql/SQLDataException.html#SQLDataException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLDataException object with a given cause. |
| [**SQLException**](http://docs.google.com/java/sql/SQLException.html#SQLException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) sqlState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLException**](http://docs.google.com/java/sql/SQLException.html#SQLException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) sqlState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLException object with a given reason, SQLState and cause. |
| [**SQLException**](http://docs.google.com/java/sql/SQLException.html#SQLException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLException object with a given reason and cause. |
| [**SQLException**](http://docs.google.com/java/sql/SQLException.html#SQLException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLException object with a given cause. |
| [**SQLFeatureNotSupportedException**](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html#SQLFeatureNotSupportedException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLFeatureNotSupportedException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLFeatureNotSupportedException**](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html#SQLFeatureNotSupportedException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLFeatureNotSupportedException object with a given reason, SQLState and cause. |
| [**SQLFeatureNotSupportedException**](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html#SQLFeatureNotSupportedException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLFeatureNotSupportedException object with a given reason and cause. |
| [**SQLFeatureNotSupportedException**](http://docs.google.com/java/sql/SQLFeatureNotSupportedException.html#SQLFeatureNotSupportedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLFeatureNotSupportedException object with a given cause. |
| [**SQLIntegrityConstraintViolationException**](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html#SQLIntegrityConstraintViolationException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLIntegrityConstraintViolationException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLIntegrityConstraintViolationException**](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html#SQLIntegrityConstraintViolationException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLIntegrityConstraintViolationException object with a given reason, SQLState and cause. |
| [**SQLIntegrityConstraintViolationException**](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html#SQLIntegrityConstraintViolationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLIntegrityConstraintViolationException object with a given reason and cause. |
| [**SQLIntegrityConstraintViolationException**](http://docs.google.com/java/sql/SQLIntegrityConstraintViolationException.html#SQLIntegrityConstraintViolationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an SQLIntegrityConstraintViolationException object with a given cause. |
| [**SQLInvalidAuthorizationSpecException**](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html#SQLInvalidAuthorizationSpecException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLInvalidAuthorizationSpecException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLInvalidAuthorizationSpecException**](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html#SQLInvalidAuthorizationSpecException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLInvalidAuthorizationSpecException object with a given reason, SQLState and cause. |
| [**SQLInvalidAuthorizationSpecException**](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html#SQLInvalidAuthorizationSpecException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLInvalidAuthorizationSpecException object with a given reason and cause. |
| [**SQLInvalidAuthorizationSpecException**](http://docs.google.com/java/sql/SQLInvalidAuthorizationSpecException.html#SQLInvalidAuthorizationSpecException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLInvalidAuthorizationSpecException object with a given cause. |
| [**SQLNonTransientConnectionException**](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html#SQLNonTransientConnectionException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientConnectionException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLNonTransientConnectionException**](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html#SQLNonTransientConnectionException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientConnectionException object with a given reason, SQLState and cause. |
| [**SQLNonTransientConnectionException**](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html#SQLNonTransientConnectionException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given reason and cause. |
| [**SQLNonTransientConnectionException**](http://docs.google.com/java/sql/SQLNonTransientConnectionException.html#SQLNonTransientConnectionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientConnectionException object with a given cause. |
| [**SQLNonTransientException**](http://docs.google.com/java/sql/SQLNonTransientException.html#SQLNonTransientException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLNonTransientException**](http://docs.google.com/java/sql/SQLNonTransientException.html#SQLNonTransientException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientException object with a given reason, SQLState and cause. |
| [**SQLNonTransientException**](http://docs.google.com/java/sql/SQLNonTransientException.html#SQLNonTransientException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given reason and cause. |
| [**SQLNonTransientException**](http://docs.google.com/java/sql/SQLNonTransientException.html#SQLNonTransientException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLNonTransientException object with a given cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason, SQLState and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given reason and cause. |
| [**SQLRecoverableException**](http://docs.google.com/java/sql/SQLRecoverableException.html#SQLRecoverableException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLRecoverableException object with a given cause. |
| [**SQLSyntaxErrorException**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html#SQLSyntaxErrorException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLSyntaxErrorException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLSyntaxErrorException**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html#SQLSyntaxErrorException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLSyntaxErrorException object with a given reason, SQLState and cause. |
| [**SQLSyntaxErrorException**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html#SQLSyntaxErrorException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLSyntaxErrorException object with a given reason and cause. |
| [**SQLSyntaxErrorException**](http://docs.google.com/java/sql/SQLSyntaxErrorException.html#SQLSyntaxErrorException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLSyntaxErrorException object with a given cause. |
| [**SQLTimeoutException**](http://docs.google.com/java/sql/SQLTimeoutException.html#SQLTimeoutException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTimeoutException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLTimeoutException**](http://docs.google.com/java/sql/SQLTimeoutException.html#SQLTimeoutException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTimeoutException object with a given reason, SQLState and cause. |
| [**SQLTimeoutException**](http://docs.google.com/java/sql/SQLTimeoutException.html#SQLTimeoutException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTimeoutException object with a given reason and cause. |
| [**SQLTimeoutException**](http://docs.google.com/java/sql/SQLTimeoutException.html#SQLTimeoutException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTimeoutException object with a given cause. |
| [**SQLTransactionRollbackException**](http://docs.google.com/java/sql/SQLTransactionRollbackException.html#SQLTransactionRollbackException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransactionRollbackException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLTransactionRollbackException**](http://docs.google.com/java/sql/SQLTransactionRollbackException.html#SQLTransactionRollbackException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransactionRollbackException object with a given reason, SQLState and cause. |
| [**SQLTransactionRollbackException**](http://docs.google.com/java/sql/SQLTransactionRollbackException.html#SQLTransactionRollbackException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransactionRollbackException object with a given reason and cause. |
| [**SQLTransactionRollbackException**](http://docs.google.com/java/sql/SQLTransactionRollbackException.html#SQLTransactionRollbackException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransactionRollbackException object with a given cause. |
| [**SQLTransientConnectionException**](http://docs.google.com/java/sql/SQLTransientConnectionException.html#SQLTransientConnectionException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientConnectionException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLTransientConnectionException**](http://docs.google.com/java/sql/SQLTransientConnectionException.html#SQLTransientConnectionException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientConnectionException object with a given reason, SQLState and cause. |
| [**SQLTransientConnectionException**](http://docs.google.com/java/sql/SQLTransientConnectionException.html#SQLTransientConnectionException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientConnectionException object with a given reason and cause. |
| [**SQLTransientConnectionException**](http://docs.google.com/java/sql/SQLTransientConnectionException.html#SQLTransientConnectionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientConnectionException object with a given cause. |
| [**SQLTransientException**](http://docs.google.com/java/sql/SQLTransientException.html#SQLTransientException(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given reason, SQLState, vendorCode and cause. |
| [**SQLTransientException**](http://docs.google.com/java/sql/SQLTransientException.html#SQLTransientException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given reason, SQLState and cause. |
| [**SQLTransientException**](http://docs.google.com/java/sql/SQLTransientException.html#SQLTransientException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given reason and cause. |
| [**SQLTransientException**](http://docs.google.com/java/sql/SQLTransientException.html#SQLTransientException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLTransientException object with a given cause. |
| [**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html#SQLWarning(java.lang.String,%20java.lang.String,%20int,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, int vendorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs aSQLWarning object with a given reason, SQLState, vendorCode and cause. |
| [**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html#SQLWarning(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [String](http://docs.google.com/java/lang/String.html) SQLState, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLWarning object with a given reason, SQLState and cause. |
| [**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html#SQLWarning(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLWarning object with a given reason and cause. |
| [**SQLWarning**](http://docs.google.com/java/sql/SQLWarning.html#SQLWarning(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SQLWarning object with a given cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
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| class | [**ParseException**](http://docs.google.com/java/text/ParseException.html)            Signals that an error has been reached unexpectedly while parsing. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
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| class | [**ConcurrentModificationException**](http://docs.google.com/java/util/ConcurrentModificationException.html)            This exception may be thrown by methods that have detected concurrent modification of an object when such modification is not permissible. |
| class | [**DuplicateFormatFlagsException**](http://docs.google.com/java/util/DuplicateFormatFlagsException.html)            Unchecked exception thrown when duplicate flags are provided in the format specifier. |
| class | [**EmptyStackException**](http://docs.google.com/java/util/EmptyStackException.html)            Thrown by methods in the Stack class to indicate that the stack is empty. |
| class | [**FormatFlagsConversionMismatchException**](http://docs.google.com/java/util/FormatFlagsConversionMismatchException.html)            Unchecked exception thrown when a conversion and flag are incompatible. |
| class | [**FormatterClosedException**](http://docs.google.com/java/util/FormatterClosedException.html)            Unchecked exception thrown when the formatter has been closed. |
| class | [**IllegalFormatCodePointException**](http://docs.google.com/java/util/IllegalFormatCodePointException.html)            Unchecked exception thrown when a character with an invalid Unicode code point as defined by [Character.isValidCodePoint(int)](http://docs.google.com/java/lang/Character.html#isValidCodePoint(int)) is passed to the [Formatter](http://docs.google.com/java/util/Formatter.html). |
| class | [**IllegalFormatConversionException**](http://docs.google.com/java/util/IllegalFormatConversionException.html)            Unchecked exception thrown when the argument corresponding to the format specifier is of an incompatible type. |
| class | [**IllegalFormatException**](http://docs.google.com/java/util/IllegalFormatException.html)            Unchecked exception thrown when a format string contains an illegal syntax or a format specifier that is incompatible with the given arguments. |
| class | [**IllegalFormatFlagsException**](http://docs.google.com/java/util/IllegalFormatFlagsException.html)            Unchecked exception thrown when an illegal combination flags is given. |
| class | [**IllegalFormatPrecisionException**](http://docs.google.com/java/util/IllegalFormatPrecisionException.html)            Unchecked exception thrown when the precision is a negative value other than -1, the conversion does not support a precision, or the value is otherwise unsupported. |
| class | [**IllegalFormatWidthException**](http://docs.google.com/java/util/IllegalFormatWidthException.html)            Unchecked exception thrown when the format width is a negative value other than -1 or is otherwise unsupported. |
| class | [**InputMismatchException**](http://docs.google.com/java/util/InputMismatchException.html)            Thrown by a Scanner to indicate that the token retrieved does not match the pattern for the expected type, or that the token is out of range for the expected type. |
| class | [**InvalidPropertiesFormatException**](http://docs.google.com/java/util/InvalidPropertiesFormatException.html)            Thrown to indicate that an operation could not complete because the input did not conform to the appropriate XML document type for a collection of properties, as per the [Properties](http://docs.google.com/java/util/Properties.html) specification. |
| class | [**MissingFormatArgumentException**](http://docs.google.com/java/util/MissingFormatArgumentException.html)            Unchecked exception thrown when there is a format specifier which does not have a corresponding argument or if an argument index refers to an argument that does not exist. |
| class | [**MissingFormatWidthException**](http://docs.google.com/java/util/MissingFormatWidthException.html)            Unchecked exception thrown when the format width is required. |
| class | [**MissingResourceException**](http://docs.google.com/java/util/MissingResourceException.html)            Signals that a resource is missing. |
| class | [**NoSuchElementException**](http://docs.google.com/java/util/NoSuchElementException.html)            Thrown by the nextElement method of an Enumeration to indicate that there are no more elements in the enumeration. |
| class | [**ServiceConfigurationError**](http://docs.google.com/java/util/ServiceConfigurationError.html)            Error thrown when something goes wrong while loading a service provider. |
| class | [**TooManyListenersException**](http://docs.google.com/java/util/TooManyListenersException.html)             The TooManyListenersException Exception is used as part of the Java Event model to annotate and implement a unicast special case of a multicast Event Source. |
| class | [**UnknownFormatConversionException**](http://docs.google.com/java/util/UnknownFormatConversionException.html)            Unchecked exception thrown when an unknown conversion is given. |
| class | [**UnknownFormatFlagsException**](http://docs.google.com/java/util/UnknownFormatFlagsException.html)            Unchecked exception thrown when an unknown flag is given. |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**InvalidPropertiesFormatException**](http://docs.google.com/java/util/InvalidPropertiesFormatException.html#InvalidPropertiesFormatException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an InvalidPropertiesFormatException with the specified cause. |
| [**ServiceConfigurationError**](http://docs.google.com/java/util/ServiceConfigurationError.html#ServiceConfigurationError(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new instance with the specified message and cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
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| class | [**BrokenBarrierException**](http://docs.google.com/java/util/concurrent/BrokenBarrierException.html)            Exception thrown when a thread tries to wait upon a barrier that is in a broken state, or which enters the broken state while the thread is waiting. |
| class | [**CancellationException**](http://docs.google.com/java/util/concurrent/CancellationException.html)            Exception indicating that the result of a value-producing task, such as a [FutureTask](http://docs.google.com/java/util/concurrent/FutureTask.html), cannot be retrieved because the task was cancelled. |
| class | [**ExecutionException**](http://docs.google.com/java/util/concurrent/ExecutionException.html)            Exception thrown when attempting to retrieve the result of a task that aborted by throwing an exception. |
| class | [**RejectedExecutionException**](http://docs.google.com/java/util/concurrent/RejectedExecutionException.html)            Exception thrown by an [Executor](http://docs.google.com/java/util/concurrent/Executor.html) when a task cannot be accepted for execution. |
| class | [**TimeoutException**](http://docs.google.com/java/util/concurrent/TimeoutException.html)            Exception thrown when a blocking operation times out. |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| protected  void | **ThreadPoolExecutor.**[**afterExecute**](http://docs.google.com/java/util/concurrent/ThreadPoolExecutor.html#afterExecute(java.lang.Runnable,%20java.lang.Throwable))([Runnable](http://docs.google.com/java/lang/Runnable.html) r, [Throwable](http://docs.google.com/java/lang/Throwable.html) t)            Method invoked upon completion of execution of the given Runnable. |
| protected  void | **FutureTask.**[**setException**](http://docs.google.com/java/util/concurrent/FutureTask.html#setException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) t)            Causes this future to report an ExecutionException with the given throwable as its cause, unless this Future has already been set or has been cancelled. |

| Constructors in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**ExecutionException**](http://docs.google.com/java/util/concurrent/ExecutionException.html#ExecutionException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an ExecutionException with the specified detail message and cause. |
| [**ExecutionException**](http://docs.google.com/java/util/concurrent/ExecutionException.html#ExecutionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an ExecutionException with the specified cause. |
| [**RejectedExecutionException**](http://docs.google.com/java/util/concurrent/RejectedExecutionException.html#RejectedExecutionException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a RejectedExecutionException with the specified detail message and cause. |
| [**RejectedExecutionException**](http://docs.google.com/java/util/concurrent/RejectedExecutionException.html#RejectedExecutionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a RejectedExecutionException with the specified cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
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| class | [**JarException**](http://docs.google.com/java/util/jar/JarException.html)            Signals that an error of some sort has occurred while reading from or writing to a JAR file. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) | |
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| Methods in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **LogRecord.**[**getThrown**](http://docs.google.com/java/util/logging/LogRecord.html#getThrown())()            Get any throwable associated with the log record. |

| Methods in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| void | **Logger.**[**log**](http://docs.google.com/java/util/logging/Logger.html#log(java.util.logging.Level,%20java.lang.String,%20java.lang.Throwable))([Level](http://docs.google.com/java/util/logging/Level.html) level, [String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Log a message, with associated Throwable information. |
| void | **Logger.**[**logp**](http://docs.google.com/java/util/logging/Logger.html#logp(java.util.logging.Level,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.Throwable))([Level](http://docs.google.com/java/util/logging/Level.html) level, [String](http://docs.google.com/java/lang/String.html) sourceClass, [String](http://docs.google.com/java/lang/String.html) sourceMethod, [String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Log a message, specifying source class and method, with associated Throwable information. |
| void | **Logger.**[**logrb**](http://docs.google.com/java/util/logging/Logger.html#logrb(java.util.logging.Level,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.Throwable))([Level](http://docs.google.com/java/util/logging/Level.html) level, [String](http://docs.google.com/java/lang/String.html) sourceClass, [String](http://docs.google.com/java/lang/String.html) sourceMethod, [String](http://docs.google.com/java/lang/String.html) bundleName, [String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Log a message, specifying source class, method, and resource bundle name, with associated Throwable information. |
| void | **LogRecord.**[**setThrown**](http://docs.google.com/java/util/logging/LogRecord.html#setThrown(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Set a throwable associated with the log event. |
| void | **Logger.**[**throwing**](http://docs.google.com/java/util/logging/Logger.html#throwing(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) sourceClass, [String](http://docs.google.com/java/lang/String.html) sourceMethod, [Throwable](http://docs.google.com/java/lang/Throwable.html) thrown)            Log throwing an exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) | |
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| class | [**BackingStoreException**](http://docs.google.com/java/util/prefs/BackingStoreException.html)            Thrown to indicate that a preferences operation could not complete because of a failure in the backing store, or a failure to contact the backing store. |
| class | [**InvalidPreferencesFormatException**](http://docs.google.com/java/util/prefs/InvalidPreferencesFormatException.html)            Thrown to indicate that an operation could not complete because the input did not conform to the appropriate XML document type for a collection of preferences, as per the [Preferences](http://docs.google.com/java/util/prefs/Preferences.html) specification. |

| Constructors in [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**BackingStoreException**](http://docs.google.com/java/util/prefs/BackingStoreException.html#BackingStoreException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a BackingStoreException with the specified cause. |
| [**InvalidPreferencesFormatException**](http://docs.google.com/java/util/prefs/InvalidPreferencesFormatException.html#InvalidPreferencesFormatException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an InvalidPreferencesFormatException with the specified detail message and cause. |
| [**InvalidPreferencesFormatException**](http://docs.google.com/java/util/prefs/InvalidPreferencesFormatException.html#InvalidPreferencesFormatException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an InvalidPreferencesFormatException with the specified cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.regex](http://docs.google.com/java/util/regex/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.regex](http://docs.google.com/java/util/regex/package-summary.html) | |
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| class | [**PatternSyntaxException**](http://docs.google.com/java/util/regex/PatternSyntaxException.html)            Unchecked exception thrown to indicate a syntax error in a regular-expression pattern. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) | |
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| class | [**DataFormatException**](http://docs.google.com/java/util/zip/DataFormatException.html)            Signals that a data format error has occurred. |
| class | [**ZipError**](http://docs.google.com/java/util/zip/ZipError.html)            Signals that an unrecoverable error has occurred. |
| class | [**ZipException**](http://docs.google.com/java/util/zip/ZipException.html)            Signals that a Zip exception of some sort has occurred. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) | |
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| class | [**UnsupportedDataTypeException**](http://docs.google.com/javax/activation/UnsupportedDataTypeException.html)            Signals that the requested operation does not support the requested data type. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.activity](http://docs.google.com/javax/activity/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.activity](http://docs.google.com/javax/activity/package-summary.html) | |
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| class | [**ActivityCompletedException**](http://docs.google.com/javax/activity/ActivityCompletedException.html)            This exception may be thrown on any method for which Activity context is accessed and indicates that ongoing work within the Activity is not possible. |
| class | [**ActivityRequiredException**](http://docs.google.com/javax/activity/ActivityRequiredException.html)            This exception is thrown by a container if Activity context is not received on a method for which Activity context is mandatory. |
| class | [**InvalidActivityException**](http://docs.google.com/javax/activity/InvalidActivityException.html)            This exception may be thrown on any method for which Activity context is accessed and indicates that the attempted invocation or the Activity context associated with the attempted invocation is incompatible with the Activity's current state. |

| Constructors in [javax.activity](http://docs.google.com/javax/activity/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**ActivityCompletedException**](http://docs.google.com/javax/activity/ActivityCompletedException.html#ActivityCompletedException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified detail message and cause. |
| [**ActivityCompletedException**](http://docs.google.com/javax/activity/ActivityCompletedException.html#ActivityCompletedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified cause. |
| [**ActivityRequiredException**](http://docs.google.com/javax/activity/ActivityRequiredException.html#ActivityRequiredException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified detail message and cause. |
| [**ActivityRequiredException**](http://docs.google.com/javax/activity/ActivityRequiredException.html#ActivityRequiredException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified cause. |
| [**InvalidActivityException**](http://docs.google.com/javax/activity/InvalidActivityException.html#InvalidActivityException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified detail message and cause. |
| [**InvalidActivityException**](http://docs.google.com/javax/activity/InvalidActivityException.html#InvalidActivityException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new throwable with the specified cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
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| class | [**FilerException**](http://docs.google.com/javax/annotation/processing/FilerException.html)            Indicates a [Filer](http://docs.google.com/javax/annotation/processing/Filer.html) detected an attempt to open a file that would violate the guarantees provided by the Filer. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
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| class | [**BadPaddingException**](http://docs.google.com/javax/crypto/BadPaddingException.html)            This exception is thrown when a particular padding mechanism is expected for the input data but the data is not padded properly. |
| class | [**ExemptionMechanismException**](http://docs.google.com/javax/crypto/ExemptionMechanismException.html)            This is the generic ExemptionMechanism exception. |
| class | [**IllegalBlockSizeException**](http://docs.google.com/javax/crypto/IllegalBlockSizeException.html)            This exception is thrown when the length of data provided to a block cipher is incorrect, i.e., does not match the block size of the cipher. |
| class | [**NoSuchPaddingException**](http://docs.google.com/javax/crypto/NoSuchPaddingException.html)            This exception is thrown when a particular padding mechanism is requested but is not available in the environment. |
| class | [**ShortBufferException**](http://docs.google.com/javax/crypto/ShortBufferException.html)            This exception is thrown when an output buffer provided by the user is too short to hold the operation result. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
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| class | [**IIOException**](http://docs.google.com/javax/imageio/IIOException.html)            An exception class used for signaling run-time failure of reading and writing operations. |

| Constructors in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**IIOException**](http://docs.google.com/javax/imageio/IIOException.html#IIOException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an IIOException with a given message String and a Throwable that was its underlying cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio.metadata](http://docs.google.com/javax/imageio/metadata/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio.metadata](http://docs.google.com/javax/imageio/metadata/package-summary.html) | |
| --- | --- |
| class | [**IIOInvalidTreeException**](http://docs.google.com/javax/imageio/metadata/IIOInvalidTreeException.html)            An IIOInvalidTreeException is thrown when an attempt by an IIOMetadata object to parse a tree of IIOMetadataNodes fails. |

| Constructors in [javax.imageio.metadata](http://docs.google.com/javax/imageio/metadata/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**IIOInvalidTreeException**](http://docs.google.com/javax/imageio/metadata/IIOInvalidTreeException.html#IIOInvalidTreeException(java.lang.String,%20java.lang.Throwable,%20org.w3c.dom.Node))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause, [Node](http://docs.google.com/org/w3c/dom/Node.html) offendingNode)            Constructs an IIOInvalidTreeException with a message string, a reference to an exception that caused this exception, and a reference to the Node that caused the parsing error. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) | |
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| Methods in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| void | **ServiceRegistry.**[**finalize**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#finalize())()            Finalizes this object prior to garbage collection. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.imageio.stream](http://docs.google.com/javax/imageio/stream/package-summary.html) | |
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| Methods in [javax.imageio.stream](http://docs.google.com/javax/imageio/stream/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| protected  void | **FileImageOutputStream.**[**finalize**](http://docs.google.com/javax/imageio/stream/FileImageOutputStream.html#finalize())()            Finalizes this object prior to garbage collection. |
| protected  void | **FileImageInputStream.**[**finalize**](http://docs.google.com/javax/imageio/stream/FileImageInputStream.html#finalize())()            Finalizes this object prior to garbage collection. |
| protected  void | **MemoryCacheImageInputStream.**[**finalize**](http://docs.google.com/javax/imageio/stream/MemoryCacheImageInputStream.html#finalize())()            Finalizes this object prior to garbage collection. |
| protected  void | **FileCacheImageInputStream.**[**finalize**](http://docs.google.com/javax/imageio/stream/FileCacheImageInputStream.html#finalize())()            Finalizes this object prior to garbage collection. |
| protected  void | **ImageInputStreamImpl.**[**finalize**](http://docs.google.com/javax/imageio/stream/ImageInputStreamImpl.html#finalize())()            Finalizes this object prior to garbage collection. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) | |
| --- | --- |
| class | [**UnknownAnnotationValueException**](http://docs.google.com/javax/lang/model/element/UnknownAnnotationValueException.html)            Indicates that an unknown kind of annotation value was encountered. |
| class | [**UnknownElementException**](http://docs.google.com/javax/lang/model/element/UnknownElementException.html)            Indicates that an unknown kind of element was encountered. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.lang.model.type](http://docs.google.com/javax/lang/model/type/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.lang.model.type](http://docs.google.com/javax/lang/model/type/package-summary.html) | |
| --- | --- |
| class | [**MirroredTypeException**](http://docs.google.com/javax/lang/model/type/MirroredTypeException.html)            Thrown when an application attempts to access the [Class](http://docs.google.com/java/lang/Class.html) object corresponding to a [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html). |
| class | [**MirroredTypesException**](http://docs.google.com/javax/lang/model/type/MirroredTypesException.html)            Thrown when an application attempts to access a sequence of [Class](http://docs.google.com/java/lang/Class.html) objects each corresponding to a [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html). |
| class | [**UnknownTypeException**](http://docs.google.com/javax/lang/model/type/UnknownTypeException.html)            Indicates that an unknown kind of type was encountered. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
| --- | --- |
| class | [**AttributeNotFoundException**](http://docs.google.com/javax/management/AttributeNotFoundException.html)            The specified attribute does not exist or cannot be retrieved. |
| class | [**BadAttributeValueExpException**](http://docs.google.com/javax/management/BadAttributeValueExpException.html)            Thrown when an invalid MBean attribute is passed to a query constructing method. |
| class | [**BadBinaryOpValueExpException**](http://docs.google.com/javax/management/BadBinaryOpValueExpException.html)            Thrown when an invalid expression is passed to a method for constructing a query. |
| class | [**BadStringOperationException**](http://docs.google.com/javax/management/BadStringOperationException.html)            Thrown when an invalid string operation is passed to a method for constructing a query. |
| class | [**InstanceAlreadyExistsException**](http://docs.google.com/javax/management/InstanceAlreadyExistsException.html)            The MBean is already registered in the repository. |
| class | [**InstanceNotFoundException**](http://docs.google.com/javax/management/InstanceNotFoundException.html)            The specified MBean does not exist in the repository. |
| class | [**InvalidApplicationException**](http://docs.google.com/javax/management/InvalidApplicationException.html)            Thrown when an attempt is made to apply either of the following: A subquery expression to an MBean or a qualified attribute expression to an MBean of the wrong class. |
| class | [**InvalidAttributeValueException**](http://docs.google.com/javax/management/InvalidAttributeValueException.html)            The value specified is not valid for the attribute. |
| class | [**JMException**](http://docs.google.com/javax/management/JMException.html)            Exceptions thrown by JMX implementations. |
| class | [**JMRuntimeException**](http://docs.google.com/javax/management/JMRuntimeException.html)            Runtime exceptions emitted by JMX implementations. |
| class | [**ListenerNotFoundException**](http://docs.google.com/javax/management/ListenerNotFoundException.html)            The specified MBean listener does not exist in the repository. |
| class | [**MalformedObjectNameException**](http://docs.google.com/javax/management/MalformedObjectNameException.html)            The format of the string does not correspond to a valid ObjectName. |
| class | [**MBeanException**](http://docs.google.com/javax/management/MBeanException.html)            Represents "user defined" exceptions thrown by MBean methods in the agent. |
| class | [**MBeanRegistrationException**](http://docs.google.com/javax/management/MBeanRegistrationException.html)            Wraps exceptions thrown by the preRegister(), preDeregister() methods of the MBeanRegistration interface. |
| class | [**NotCompliantMBeanException**](http://docs.google.com/javax/management/NotCompliantMBeanException.html)            Exception which occurs when trying to register an object in the MBean server that is not a JMX compliant MBean. |
| class | [**OperationsException**](http://docs.google.com/javax/management/OperationsException.html)            Represents exceptions thrown in the MBean server when performing operations on MBeans. |
| class | [**ReflectionException**](http://docs.google.com/javax/management/ReflectionException.html)            Represents exceptions thrown in the MBean server when using the java.lang.reflect classes to invoke methods on MBeans. |
| class | [**RuntimeErrorException**](http://docs.google.com/javax/management/RuntimeErrorException.html)            When a java.lang.Error occurs in the agent it should be caught and re-thrown as a RuntimeErrorException. |
| class | [**RuntimeMBeanException**](http://docs.google.com/javax/management/RuntimeMBeanException.html)            Represents runtime exceptions thrown by MBean methods in the agent. |
| class | [**RuntimeOperationsException**](http://docs.google.com/javax/management/RuntimeOperationsException.html)            Represents runtime exceptions thrown in the agent when performing operations on MBeans. |
| class | [**ServiceNotFoundException**](http://docs.google.com/javax/management/ServiceNotFoundException.html)            Represents exceptions raised when a requested service is not supported. |

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **RuntimeOperationsException.**[**getCause**](http://docs.google.com/javax/management/RuntimeOperationsException.html#getCause())()            Returns the actual [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) thrown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ReflectionException.**[**getCause**](http://docs.google.com/javax/management/ReflectionException.html#getCause())()            Returns the actual [Exception](http://docs.google.com/java/lang/Exception.html) thrown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **RuntimeMBeanException.**[**getCause**](http://docs.google.com/javax/management/RuntimeMBeanException.html#getCause())()            Returns the actual [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) thrown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **RuntimeErrorException.**[**getCause**](http://docs.google.com/javax/management/RuntimeErrorException.html#getCause())()            Returns the actual [Error](http://docs.google.com/java/lang/Error.html) thrown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **MBeanException.**[**getCause**](http://docs.google.com/javax/management/MBeanException.html#getCause())()            Return the actual [Exception](http://docs.google.com/java/lang/Exception.html) thrown. |

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **MBeanServerInvocationHandler.**[**invoke**](http://docs.google.com/javax/management/MBeanServerInvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) proxy, [Method](http://docs.google.com/java/lang/reflect/Method.html) method, [Object](http://docs.google.com/java/lang/Object.html)[] args) |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.modelmbean](http://docs.google.com/javax/management/modelmbean/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.modelmbean](http://docs.google.com/javax/management/modelmbean/package-summary.html) | |
| --- | --- |
| class | [**InvalidTargetObjectTypeException**](http://docs.google.com/javax/management/modelmbean/InvalidTargetObjectTypeException.html)            Exception thrown when an invalid target object type is specified. |
| class | [**XMLParseException**](http://docs.google.com/javax/management/modelmbean/XMLParseException.html)            This exception is thrown when an XML formatted string is being parsed into ModelMBean objects or when XML formatted strings are being created from ModelMBean objects. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) | |
| --- | --- |
| class | [**MonitorSettingException**](http://docs.google.com/javax/management/monitor/MonitorSettingException.html)            Exception thrown by the monitor when a monitor setting becomes invalid while the monitor is running. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |
| class | [**InvalidOpenTypeException**](http://docs.google.com/javax/management/openmbean/InvalidOpenTypeException.html)            This runtime exception is thrown to indicate that the *open type* of an *open data* value is not the one expected. |
| class | [**KeyAlreadyExistsException**](http://docs.google.com/javax/management/openmbean/KeyAlreadyExistsException.html)            This runtime exception is thrown to indicate that the index of a row to be added to a *tabular data* instance is already used to refer to another row in this *tabular data* instance. |
| class | [**OpenDataException**](http://docs.google.com/javax/management/openmbean/OpenDataException.html)            This checked exception is thrown when an *open type*, an *open data* or an *open MBean metadata info* instance could not be constructed because one or more validity constraints were not met. |

| Methods in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) that throw [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **CompositeDataInvocationHandler.**[**invoke**](http://docs.google.com/javax/management/openmbean/CompositeDataInvocationHandler.html#invoke(java.lang.Object,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) proxy, [Method](http://docs.google.com/java/lang/reflect/Method.html) method, [Object](http://docs.google.com/java/lang/Object.html)[] args) |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) | |
| --- | --- |
| class | [**InvalidRelationIdException**](http://docs.google.com/javax/management/relation/InvalidRelationIdException.html)            This exception is raised when relation id provided for a relation is already used. |
| class | [**InvalidRelationServiceException**](http://docs.google.com/javax/management/relation/InvalidRelationServiceException.html)            This exception is raised when an invalid Relation Service is provided. |
| class | [**InvalidRelationTypeException**](http://docs.google.com/javax/management/relation/InvalidRelationTypeException.html)            Invalid relation type. |
| class | [**InvalidRoleInfoException**](http://docs.google.com/javax/management/relation/InvalidRoleInfoException.html)            This exception is raised when, in a role info, its minimum degree is greater than its maximum degree. |
| class | [**InvalidRoleValueException**](http://docs.google.com/javax/management/relation/InvalidRoleValueException.html)            Role value is invalid. |
| class | [**RelationException**](http://docs.google.com/javax/management/relation/RelationException.html)            This class is the superclass of any exception which can be raised during relation management. |
| class | [**RelationNotFoundException**](http://docs.google.com/javax/management/relation/RelationNotFoundException.html)            This exception is raised when there is no relation for a given relation id in a Relation Service. |
| class | [**RelationServiceNotRegisteredException**](http://docs.google.com/javax/management/relation/RelationServiceNotRegisteredException.html)            This exception is raised when an access is done to the Relation Service and that one is not registered. |
| class | [**RelationTypeNotFoundException**](http://docs.google.com/javax/management/relation/RelationTypeNotFoundException.html)            This exception is raised when there is no relation type with given name in Relation Service. |
| class | [**RoleInfoNotFoundException**](http://docs.google.com/javax/management/relation/RoleInfoNotFoundException.html)            This exception is raised when there is no role info with given name in a given relation type. |
| class | [**RoleNotFoundException**](http://docs.google.com/javax/management/relation/RoleNotFoundException.html)            This exception is raised when a role in a relation does not exist, or is not readable, or is not settable. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) | |
| --- | --- |
| class | [**JMXProviderException**](http://docs.google.com/javax/management/remote/JMXProviderException.html)            Exception thrown by [JMXConnectorFactory](http://docs.google.com/javax/management/remote/JMXConnectorFactory.html) and [JMXConnectorServerFactory](http://docs.google.com/javax/management/remote/JMXConnectorServerFactory.html) when a provider exists for the required protocol but cannot be used for some reason. |
| class | [**JMXServerErrorException**](http://docs.google.com/javax/management/remote/JMXServerErrorException.html)            Exception thrown as the result of a remote [MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) method invocation when an Error is thrown while processing the invocation in the remote MBean server. |

| Methods in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **JMXServerErrorException.**[**getCause**](http://docs.google.com/javax/management/remote/JMXServerErrorException.html#getCause())() |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **JMXProviderException.**[**getCause**](http://docs.google.com/javax/management/remote/JMXProviderException.html#getCause())() |

| Constructors in [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**JMXProviderException**](http://docs.google.com/javax/management/remote/JMXProviderException.html#JMXProviderException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a JMXProviderException with the specified detail message and nested exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) | |
| --- | --- |
| class | [**AuthenticationNotSupportedException**](http://docs.google.com/javax/naming/AuthenticationNotSupportedException.html)            This exception is thrown when the particular flavor of authentication requested is not supported. |
| class | [**CannotProceedException**](http://docs.google.com/javax/naming/CannotProceedException.html)            This exception is thrown to indicate that the operation reached a point in the name where the operation cannot proceed any further. |
| class | [**CommunicationException**](http://docs.google.com/javax/naming/CommunicationException.html)            This exception is thrown when the client is unable to communicate with the directory or naming service. |
| class | [**ConfigurationException**](http://docs.google.com/javax/naming/ConfigurationException.html)            This exception is thrown when there is a configuration problem. |
| class | [**ContextNotEmptyException**](http://docs.google.com/javax/naming/ContextNotEmptyException.html)            This exception is thrown when attempting to destroy a context that is not empty. |
| class | [**InsufficientResourcesException**](http://docs.google.com/javax/naming/InsufficientResourcesException.html)            This exception is thrown when resources are not available to complete the requested operation. |
| class | [**InterruptedNamingException**](http://docs.google.com/javax/naming/InterruptedNamingException.html)            This exception is thrown when the naming operation being invoked has been interrupted. |
| class | [**InvalidNameException**](http://docs.google.com/javax/naming/InvalidNameException.html)            This exception indicates that the name being specified does not conform to the naming syntax of a naming system. |
| class | [**LimitExceededException**](http://docs.google.com/javax/naming/LimitExceededException.html)            This exception is thrown when a method terminates abnormally due to a user or system specified limit. |
| class | [**LinkException**](http://docs.google.com/javax/naming/LinkException.html)            This exception is used to describe problems encounter while resolving links. |
| class | [**LinkLoopException**](http://docs.google.com/javax/naming/LinkLoopException.html)            This exception is thrown when a loop was detected will attempting to resolve a link, or an implementation specific limit on link counts has been reached. |
| class | [**MalformedLinkException**](http://docs.google.com/javax/naming/MalformedLinkException.html)            This exception is thrown when a malformed link was encountered while resolving or constructing a link. |
| class | [**NameAlreadyBoundException**](http://docs.google.com/javax/naming/NameAlreadyBoundException.html)            This exception is thrown by methods to indicate that a binding cannot be added because the name is already bound to another object. |
| class | [**NameNotFoundException**](http://docs.google.com/javax/naming/NameNotFoundException.html)            This exception is thrown when a component of the name cannot be resolved because it is not bound. |
| class | [**NamingException**](http://docs.google.com/javax/naming/NamingException.html)            This is the superclass of all exceptions thrown by operations in the Context and DirContext interfaces. |
| class | [**NamingSecurityException**](http://docs.google.com/javax/naming/NamingSecurityException.html)            This is the superclass of security-related exceptions thrown by operations in the Context and DirContext interfaces. |
| class | [**NoInitialContextException**](http://docs.google.com/javax/naming/NoInitialContextException.html)            This exception is thrown when no initial context implementation can be created. |
| class | [**NoPermissionException**](http://docs.google.com/javax/naming/NoPermissionException.html)            This exception is thrown when attempting to perform an operation for which the client has no permission. |
| class | [**NotContextException**](http://docs.google.com/javax/naming/NotContextException.html)            This exception is thrown when a naming operation proceeds to a point where a context is required to continue the operation, but the resolved object is not a context. |
| class | [**OperationNotSupportedException**](http://docs.google.com/javax/naming/OperationNotSupportedException.html)            This exception is thrown when a context implementation does not support the operation being invoked. |
| class | [**PartialResultException**](http://docs.google.com/javax/naming/PartialResultException.html)            This exception is thrown to indicate that the result being returned or returned so far is partial, and that the operation cannot be completed. |
| class | [**ReferralException**](http://docs.google.com/javax/naming/ReferralException.html)            This abstract class is used to represent a referral exception, which is generated in response to a *referral* such as that returned by LDAP v3 servers. |
| class | [**ServiceUnavailableException**](http://docs.google.com/javax/naming/ServiceUnavailableException.html)            This exception is thrown when attempting to communicate with a directory or naming service and that service is not available. |
| class | [**SizeLimitExceededException**](http://docs.google.com/javax/naming/SizeLimitExceededException.html)            This exception is thrown when a method produces a result that exceeds a size-related limit. |
| class | [**TimeLimitExceededException**](http://docs.google.com/javax/naming/TimeLimitExceededException.html)            This exception is thrown when a method does not terminate within the specified time limit. |

| Fields in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) declared as [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| protected  [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NamingException.**[**rootException**](http://docs.google.com/javax/naming/NamingException.html#rootException)            Contains the original exception that caused this NamingException to be thrown. |

| Methods in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NamingException.**[**getCause**](http://docs.google.com/javax/naming/NamingException.html#getCause())()            Returns the cause of this exception. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NamingException.**[**getRootCause**](http://docs.google.com/javax/naming/NamingException.html#getRootCause())()            Retrieves the root cause of this NamingException, if any. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NamingException.**[**initCause**](http://docs.google.com/javax/naming/NamingException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the cause of this exception to the specified value. |

| Methods in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NamingException.**[**initCause**](http://docs.google.com/javax/naming/NamingException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the cause of this exception to the specified value. |
| void | **NamingException.**[**setRootCause**](http://docs.google.com/javax/naming/NamingException.html#setRootCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Records the root cause of this NamingException. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming.directory](http://docs.google.com/javax/naming/directory/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming.directory](http://docs.google.com/javax/naming/directory/package-summary.html) | |
| --- | --- |
| class | [**AttributeInUseException**](http://docs.google.com/javax/naming/directory/AttributeInUseException.html)            This exception is thrown when an operation attempts to add an attribute that already exists. |
| class | [**AttributeModificationException**](http://docs.google.com/javax/naming/directory/AttributeModificationException.html)            This exception is thrown when an attempt is made to add, or remove, or modify an attribute, its identifier, or its values that conflicts with the attribute's (schema) definition or the attribute's state. |
| class | [**InvalidAttributeIdentifierException**](http://docs.google.com/javax/naming/directory/InvalidAttributeIdentifierException.html)            This exception is thrown when an attempt is made to add to create an attribute with an invalid attribute identifier. |
| class | [**InvalidAttributesException**](http://docs.google.com/javax/naming/directory/InvalidAttributesException.html)            This exception is thrown when an attempt is made to add or modify an attribute set that has been specified incompletely or incorrectly. |
| class | [**InvalidSearchControlsException**](http://docs.google.com/javax/naming/directory/InvalidSearchControlsException.html)            This exception is thrown when the specification of the SearchControls for a search operation is invalid. |
| class | [**InvalidSearchFilterException**](http://docs.google.com/javax/naming/directory/InvalidSearchFilterException.html)            This exception is thrown when the specification of a search filter is invalid. |
| class | [**NoSuchAttributeException**](http://docs.google.com/javax/naming/directory/NoSuchAttributeException.html)            This exception is thrown when attempting to access an attribute that does not exist. |
| class | [**SchemaViolationException**](http://docs.google.com/javax/naming/directory/SchemaViolationException.html)            This exception is thrown when a method in some ways violates the schema. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming.ldap](http://docs.google.com/javax/naming/ldap/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.naming.ldap](http://docs.google.com/javax/naming/ldap/package-summary.html) | |
| --- | --- |
| class | [**LdapReferralException**](http://docs.google.com/javax/naming/ldap/LdapReferralException.html)            This abstract class is used to represent an LDAP referral exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |
| class | [**SSLException**](http://docs.google.com/javax/net/ssl/SSLException.html)            Indicates some kind of error detected by an SSL subsystem. |
| class | [**SSLHandshakeException**](http://docs.google.com/javax/net/ssl/SSLHandshakeException.html)            Indicates that the client and server could not negotiate the desired level of security. |
| class | [**SSLKeyException**](http://docs.google.com/javax/net/ssl/SSLKeyException.html)            Reports a bad SSL key. |
| class | [**SSLPeerUnverifiedException**](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html)            Indicates that the peer's identity has not been verified. |
| class | [**SSLProtocolException**](http://docs.google.com/javax/net/ssl/SSLProtocolException.html)            Reports an error in the operation of the SSL protocol. |

| Constructors in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**SSLException**](http://docs.google.com/javax/net/ssl/SSLException.html#SSLException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SSLException with the specified detail message and cause. |
| [**SSLException**](http://docs.google.com/javax/net/ssl/SSLException.html#SSLException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Creates a SSLException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.print](http://docs.google.com/javax/print/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.print](http://docs.google.com/javax/print/package-summary.html) | |
| --- | --- |
| class | [**PrintException**](http://docs.google.com/javax/print/PrintException.html)            Class PrintException encapsulates a printing-related error condition that occurred while using a Print Service instance. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.print.attribute](http://docs.google.com/javax/print/attribute/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.print.attribute](http://docs.google.com/javax/print/attribute/package-summary.html) | |
| --- | --- |
| class | [**UnmodifiableSetException**](http://docs.google.com/javax/print/attribute/UnmodifiableSetException.html)            Thrown to indicate that the requested operation cannot be performed because the set is unmodifiable. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) | |
| --- | --- |

| Methods in [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **UtilDelegate.**[**wrapException**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#wrapException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) obj)            Delegation call for [Util.wrapException(java.lang.Throwable)](http://docs.google.com/javax/rmi/CORBA/Util.html#wrapException(java.lang.Throwable)). |
| static [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **Util.**[**wrapException**](http://docs.google.com/javax/rmi/CORBA/Util.html#wrapException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) orig)            Wraps an exception thrown by an implementation method. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
| --- | --- |
| class | [**ScriptException**](http://docs.google.com/javax/script/ScriptException.html)            The generic Exception class for the Scripting APIs. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) | |
| --- | --- |
| class | [**DestroyFailedException**](http://docs.google.com/javax/security/auth/DestroyFailedException.html)            Signals that a destroy operation failed. |
| class | [**RefreshFailedException**](http://docs.google.com/javax/security/auth/RefreshFailedException.html)            Signals that a refresh operation failed. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth.callback](http://docs.google.com/javax/security/auth/callback/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth.callback](http://docs.google.com/javax/security/auth/callback/package-summary.html) | |
| --- | --- |
| class | [**UnsupportedCallbackException**](http://docs.google.com/javax/security/auth/callback/UnsupportedCallbackException.html)            Signals that a CallbackHandler does not recognize a particular Callback. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) | |
| --- | --- |
| class | [**AccountException**](http://docs.google.com/javax/security/auth/login/AccountException.html)            A generic account exception. |
| class | [**AccountExpiredException**](http://docs.google.com/javax/security/auth/login/AccountExpiredException.html)            Signals that a user account has expired. |
| class | [**AccountLockedException**](http://docs.google.com/javax/security/auth/login/AccountLockedException.html)            Signals that an account was locked. |
| class | [**AccountNotFoundException**](http://docs.google.com/javax/security/auth/login/AccountNotFoundException.html)            Signals that an account was not found. |
| class | [**CredentialException**](http://docs.google.com/javax/security/auth/login/CredentialException.html)            A generic credential exception. |
| class | [**CredentialExpiredException**](http://docs.google.com/javax/security/auth/login/CredentialExpiredException.html)            Signals that a Credential has expired. |
| class | [**CredentialNotFoundException**](http://docs.google.com/javax/security/auth/login/CredentialNotFoundException.html)            Signals that a credential was not found. |
| class | [**FailedLoginException**](http://docs.google.com/javax/security/auth/login/FailedLoginException.html)            Signals that user authentication failed. |
| class | [**LoginException**](http://docs.google.com/javax/security/auth/login/LoginException.html)            This is the basic login exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.cert](http://docs.google.com/javax/security/cert/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.cert](http://docs.google.com/javax/security/cert/package-summary.html) | |
| --- | --- |
| class | [**CertificateEncodingException**](http://docs.google.com/javax/security/cert/CertificateEncodingException.html)            Certificate Encoding Exception. |
| class | [**CertificateException**](http://docs.google.com/javax/security/cert/CertificateException.html)            This exception indicates one of a variety of certificate problems. |
| class | [**CertificateExpiredException**](http://docs.google.com/javax/security/cert/CertificateExpiredException.html)            Certificate Expired Exception. |
| class | [**CertificateNotYetValidException**](http://docs.google.com/javax/security/cert/CertificateNotYetValidException.html)            Certificate is not yet valid exception. |
| class | [**CertificateParsingException**](http://docs.google.com/javax/security/cert/CertificateParsingException.html)            Certificate Parsing Exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) | |
| --- | --- |
| class | [**AuthenticationException**](http://docs.google.com/javax/security/sasl/AuthenticationException.html)            This exception is thrown by a SASL mechanism implementation to indicate that the SASL exchange has failed due to reasons related to authentication, such as an invalid identity, passphrase, or key. |
| class | [**SaslException**](http://docs.google.com/javax/security/sasl/SaslException.html)            This class represents an error that has occurred when using SASL. |

| Methods in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SaslException.**[**getCause**](http://docs.google.com/javax/security/sasl/SaslException.html#getCause())() |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SaslException.**[**initCause**](http://docs.google.com/javax/security/sasl/SaslException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause) |

| Methods in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SaslException.**[**initCause**](http://docs.google.com/javax/security/sasl/SaslException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause) |

| Constructors in [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**AuthenticationException**](http://docs.google.com/javax/security/sasl/AuthenticationException.html#AuthenticationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) detail, [Throwable](http://docs.google.com/java/lang/Throwable.html) ex)            Constructs a new instance of AuthenticationException with a detailed message and a root exception. |
| [**SaslException**](http://docs.google.com/javax/security/sasl/SaslException.html#SaslException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) detail, [Throwable](http://docs.google.com/java/lang/Throwable.html) ex)            Constructs a new instance of SaslException with a detailed message and a root exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) | |
| --- | --- |
| class | [**InvalidMidiDataException**](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html)            An InvalidMidiDataException indicates that inappropriate MIDI data was encountered. |
| class | [**MidiUnavailableException**](http://docs.google.com/javax/sound/midi/MidiUnavailableException.html)            A MidiUnavailableException is thrown when a requested MIDI component cannot be opened or created because it is unavailable. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
| --- | --- |
| class | [**LineUnavailableException**](http://docs.google.com/javax/sound/sampled/LineUnavailableException.html)            A LineUnavailableException is an exception indicating that a line cannot be opened because it is unavailable. |
| class | [**UnsupportedAudioFileException**](http://docs.google.com/javax/sound/sampled/UnsupportedAudioFileException.html)            An UnsupportedAudioFileException is an exception indicating that an operation failed because a file did not contain valid data of a recognized file type and format. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
| --- | --- |
| class | [**RowSetWarning**](http://docs.google.com/javax/sql/rowset/RowSetWarning.html)            An extension of SQLException that provides information about database warnings set on RowSet objects. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
| --- | --- |
| class | [**SerialException**](http://docs.google.com/javax/sql/rowset/serial/SerialException.html)            Indicates and an error with the serialization or de-serialization of SQL types such as BLOB, CLOB, STRUCT or ARRAY in addition to SQL types such as DATALINK and JAVAOBJECT |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset.spi](http://docs.google.com/javax/sql/rowset/spi/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.sql.rowset.spi](http://docs.google.com/javax/sql/rowset/spi/package-summary.html) | |
| --- | --- |
| class | [**SyncFactoryException**](http://docs.google.com/javax/sql/rowset/spi/SyncFactoryException.html)            Indicates an error with SyncFactory mechanism. |
| class | [**SyncProviderException**](http://docs.google.com/javax/sql/rowset/spi/SyncProviderException.html)            Indicates an error with the SyncProvider mechanism. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| class | [**UnsupportedLookAndFeelException**](http://docs.google.com/javax/swing/UnsupportedLookAndFeelException.html)            An exception that indicates the requested look & feel management classes are not present on the user's system. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |
| class | [**BadLocationException**](http://docs.google.com/javax/swing/text/BadLocationException.html)            This exception is to report bad locations within a document model (that is, attempts to reference a location that doesn't exist). |
| class | [**ChangedCharSetException**](http://docs.google.com/javax/swing/text/ChangedCharSetException.html)            ChangedCharSetException as the name indicates is an exception thrown when the charset is changed. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
| --- | --- |
| class | [**ExpandVetoException**](http://docs.google.com/javax/swing/tree/ExpandVetoException.html)            Exception used to stop and expand/collapse from happening. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) | |
| --- | --- |
| class | [**CannotRedoException**](http://docs.google.com/javax/swing/undo/CannotRedoException.html)            Thrown when an UndoableEdit is told to redo() and can't. |
| class | [**CannotUndoException**](http://docs.google.com/javax/swing/undo/CannotUndoException.html)            Thrown when an UndoableEdit is told to undo() and can't. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.transaction](http://docs.google.com/javax/transaction/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.transaction](http://docs.google.com/javax/transaction/package-summary.html) | |
| --- | --- |
| class | [**InvalidTransactionException**](http://docs.google.com/javax/transaction/InvalidTransactionException.html)            This exception indicates that the request carried an invalid transaction context. |
| class | [**TransactionRequiredException**](http://docs.google.com/javax/transaction/TransactionRequiredException.html)            This exception indicates that a request carried a null transaction context, but the target object requires an activate transaction. |
| class | [**TransactionRolledbackException**](http://docs.google.com/javax/transaction/TransactionRolledbackException.html)            This exception indicates that the transaction associated with processing of the request has been rolled back, or marked to roll back. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.transaction.xa](http://docs.google.com/javax/transaction/xa/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.transaction.xa](http://docs.google.com/javax/transaction/xa/package-summary.html) | |
| --- | --- |
| class | [**XAException**](http://docs.google.com/javax/transaction/xa/XAException.html)            The XAException is thrown by the Resource Manager (RM) to inform the Transaction Manager of an error encountered by the involved transaction. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
| --- | --- |
| class | [**JAXBException**](http://docs.google.com/javax/xml/bind/JAXBException.html)            This is the root exception class for all JAXB exceptions. |
| class | [**PropertyException**](http://docs.google.com/javax/xml/bind/PropertyException.html)            This exception indicates that an error was encountered while getting or setting a property. |
| class | [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html)            This exception indicates that a violation of a dynamically checked type constraint was detected. |
| class | [**ValidationException**](http://docs.google.com/javax/xml/bind/ValidationException.html)            This exception indicates that an error has occurred while performing a validate operation. |

| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **JAXBException.**[**getCause**](http://docs.google.com/javax/xml/bind/JAXBException.html#getCause())() |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TypeConstraintException.**[**getLinkedException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#getLinkedException())()            Get the linked exception |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ValidationEvent.**[**getLinkedException**](http://docs.google.com/javax/xml/bind/ValidationEvent.html#getLinkedException())()            Retrieve the linked exception for this warning/error. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **JAXBException.**[**getLinkedException**](http://docs.google.com/javax/xml/bind/JAXBException.html#getLinkedException())()            Get the linked exception |

| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| void | **TypeConstraintException.**[**setLinkedException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#setLinkedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Add a linked Exception. |
| void | **JAXBException.**[**setLinkedException**](http://docs.google.com/javax/xml/bind/JAXBException.html#setLinkedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Add a linked Exception. |

| Constructors in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**JAXBException**](http://docs.google.com/javax/xml/bind/JAXBException.html#JAXBException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a JAXBException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**JAXBException**](http://docs.google.com/javax/xml/bind/JAXBException.html#JAXBException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a JAXBException with the specified detail message and linkedException. |
| [**JAXBException**](http://docs.google.com/javax/xml/bind/JAXBException.html#JAXBException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a JAXBException with a linkedException. |
| [**MarshalException**](http://docs.google.com/javax/xml/bind/MarshalException.html#MarshalException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a MarshalException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**MarshalException**](http://docs.google.com/javax/xml/bind/MarshalException.html#MarshalException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a MarshalException with the specified detail message and linkedException. |
| [**MarshalException**](http://docs.google.com/javax/xml/bind/MarshalException.html#MarshalException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a MarshalException with a linkedException. |
| [**PropertyException**](http://docs.google.com/javax/xml/bind/PropertyException.html#PropertyException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a PropertyException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**PropertyException**](http://docs.google.com/javax/xml/bind/PropertyException.html#PropertyException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a PropertyException with the specified detail message and linkedException. |
| [**PropertyException**](http://docs.google.com/javax/xml/bind/PropertyException.html#PropertyException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a PropertyException with a linkedException. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with the specified detail message and linkedException. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html#TypeConstraintException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct a TypeConstraintException with a linkedException. |
| [**UnmarshalException**](http://docs.google.com/javax/xml/bind/UnmarshalException.html#UnmarshalException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an UnmarshalException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**UnmarshalException**](http://docs.google.com/javax/xml/bind/UnmarshalException.html#UnmarshalException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an UnmarshalException with the specified detail message and linkedException. |
| [**UnmarshalException**](http://docs.google.com/javax/xml/bind/UnmarshalException.html#UnmarshalException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an UnmarshalException with a linkedException. |
| [**ValidationException**](http://docs.google.com/javax/xml/bind/ValidationException.html#ValidationException(java.lang.String,%20java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [String](http://docs.google.com/java/lang/String.html) errorCode, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an ValidationException with the specified detail message, vendor specific errorCode, and linkedException. |
| [**ValidationException**](http://docs.google.com/javax/xml/bind/ValidationException.html#ValidationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an ValidationException with the specified detail message and linkedException. |
| [**ValidationException**](http://docs.google.com/javax/xml/bind/ValidationException.html#ValidationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) exception)            Construct an ValidationException with a linkedException. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) | |
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| Methods in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **ValidationEventImpl.**[**getLinkedException**](http://docs.google.com/javax/xml/bind/helpers/ValidationEventImpl.html#getLinkedException())() |

| Methods in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| void | **ValidationEventImpl.**[**setLinkedException**](http://docs.google.com/javax/xml/bind/helpers/ValidationEventImpl.html#setLinkedException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) \_linkedException)            Set the linked exception field of this event. |

| Constructors in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**NotIdentifiableEventImpl**](http://docs.google.com/javax/xml/bind/helpers/NotIdentifiableEventImpl.html#NotIdentifiableEventImpl(int,%20java.lang.String,%20javax.xml.bind.ValidationEventLocator,%20java.lang.Throwable))(int \_severity, [String](http://docs.google.com/java/lang/String.html) \_message, [ValidationEventLocator](http://docs.google.com/javax/xml/bind/ValidationEventLocator.html) \_locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) \_linkedException)            Create a new NotIdentifiableEventImpl. |
| [**ParseConversionEventImpl**](http://docs.google.com/javax/xml/bind/helpers/ParseConversionEventImpl.html#ParseConversionEventImpl(int,%20java.lang.String,%20javax.xml.bind.ValidationEventLocator,%20java.lang.Throwable))(int \_severity, [String](http://docs.google.com/java/lang/String.html) \_message, [ValidationEventLocator](http://docs.google.com/javax/xml/bind/ValidationEventLocator.html) \_locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) \_linkedException)            Create a new ParseConversionEventImpl. |
| [**PrintConversionEventImpl**](http://docs.google.com/javax/xml/bind/helpers/PrintConversionEventImpl.html#PrintConversionEventImpl(int,%20java.lang.String,%20javax.xml.bind.ValidationEventLocator,%20java.lang.Throwable))(int \_severity, [String](http://docs.google.com/java/lang/String.html) \_message, [ValidationEventLocator](http://docs.google.com/javax/xml/bind/ValidationEventLocator.html) \_locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) \_linkedException)            Create a new PrintConversionEventImpl. |
| [**ValidationEventImpl**](http://docs.google.com/javax/xml/bind/helpers/ValidationEventImpl.html#ValidationEventImpl(int,%20java.lang.String,%20javax.xml.bind.ValidationEventLocator,%20java.lang.Throwable))(int \_severity, [String](http://docs.google.com/java/lang/String.html) \_message, [ValidationEventLocator](http://docs.google.com/javax/xml/bind/ValidationEventLocator.html) \_locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) \_linkedException)            Create a new ValidationEventImpl. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
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| class | [**KeySelectorException**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html)            Indicates an exceptional condition thrown by a [KeySelector](http://docs.google.com/javax/xml/crypto/KeySelector.html). |
| class | [**MarshalException**](http://docs.google.com/javax/xml/crypto/MarshalException.html)            Indicates an exceptional condition that occured during the XML marshalling or unmarshalling process. |
| class | [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html)            This exception is thrown when a particular XML mechanism is requested but is not available in the environment. |
| class | [**URIReferenceException**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html)            Indicates an exceptional condition thrown while dereferencing a [URIReference](http://docs.google.com/javax/xml/crypto/URIReference.html). |

| Methods in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **NoSuchMechanismException.**[**getCause**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#getCause())()            Returns the cause of this NoSuchMechanismException or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **URIReferenceException.**[**getCause**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html#getCause())()            Returns the cause of this URIReferenceException or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **MarshalException.**[**getCause**](http://docs.google.com/javax/xml/crypto/MarshalException.html#getCause())()            Returns the cause of this MarshalException or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **KeySelectorException.**[**getCause**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html#getCause())()            Returns the cause of this KeySelectorException or null if the cause is nonexistent or unknown. |

| Constructors in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**KeySelectorException**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html#KeySelectorException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new KeySelectorException with the specified detail message and cause. |
| [**KeySelectorException**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html#KeySelectorException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new KeySelectorException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**MarshalException**](http://docs.google.com/javax/xml/crypto/MarshalException.html#MarshalException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new MarshalException with the specified detail message and cause. |
| [**MarshalException**](http://docs.google.com/javax/xml/crypto/MarshalException.html#MarshalException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new MarshalException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new NoSuchMechanismException with the specified detail message and cause. |
| [**NoSuchMechanismException**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#NoSuchMechanismException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new NoSuchMechanismException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**URIReferenceException**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html#URIReferenceException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new URIReferenceException with the specified detail message and cause. |
| [**URIReferenceException**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html#URIReferenceException(java.lang.String,%20java.lang.Throwable,%20javax.xml.crypto.URIReference))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause, [URIReference](http://docs.google.com/javax/xml/crypto/URIReference.html) uriReference)            Constructs a new URIReferenceException with the specified detail message, cause and URIReference. |
| [**URIReferenceException**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html#URIReferenceException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new URIReferenceException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |
| class | [**TransformException**](http://docs.google.com/javax/xml/crypto/dsig/TransformException.html)            Indicates an exceptional condition that occured while executing a transform algorithm. |
| class | [**XMLSignatureException**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html)            Indicates an exceptional condition that occured during the XML signature generation or validation process. |

| Methods in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **XMLSignatureException.**[**getCause**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html#getCause())()            Returns the cause of this XMLSignatureException or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TransformException.**[**getCause**](http://docs.google.com/javax/xml/crypto/dsig/TransformException.html#getCause())()            Returns the cause of this TransformException or null if the cause is nonexistent or unknown. |

| Constructors in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**TransformException**](http://docs.google.com/javax/xml/crypto/dsig/TransformException.html#TransformException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new TransformException with the specified detail message and cause. |
| [**TransformException**](http://docs.google.com/javax/xml/crypto/dsig/TransformException.html#TransformException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new TransformException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**XMLSignatureException**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html#XMLSignatureException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XMLSignatureException with the specified detail message and cause. |
| [**XMLSignatureException**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html#XMLSignatureException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XMLSignatureException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) | |
| --- | --- |
| class | [**DatatypeConfigurationException**](http://docs.google.com/javax/xml/datatype/DatatypeConfigurationException.html)            Indicates a serious configuration error. |

| Constructors in [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**DatatypeConfigurationException**](http://docs.google.com/javax/xml/datatype/DatatypeConfigurationException.html#DatatypeConfigurationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Create a new DatatypeConfigurationException with the specified detail message and cause. |
| [**DatatypeConfigurationException**](http://docs.google.com/javax/xml/datatype/DatatypeConfigurationException.html#DatatypeConfigurationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Create a new DatatypeConfigurationException with the specified cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.parsers](http://docs.google.com/javax/xml/parsers/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.parsers](http://docs.google.com/javax/xml/parsers/package-summary.html) | |
| --- | --- |
| class | [**FactoryConfigurationError**](http://docs.google.com/javax/xml/parsers/FactoryConfigurationError.html)            Thrown when a problem with configuration with the Parser Factories exists. |
| class | [**ParserConfigurationException**](http://docs.google.com/javax/xml/parsers/ParserConfigurationException.html)            Indicates a serious configuration error. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) | |
| --- | --- |
| class | [**SOAPException**](http://docs.google.com/javax/xml/soap/SOAPException.html)            An exception that signals that a SOAP exception has occurred. |

| Methods in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SOAPException.**[**getCause**](http://docs.google.com/javax/xml/soap/SOAPException.html#getCause())()            Returns the Throwable object embedded in this SOAPException if there is one. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SOAPException.**[**initCause**](http://docs.google.com/javax/xml/soap/SOAPException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the cause field of this SOAPException object with the given Throwable object. |

| Methods in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **SOAPException.**[**initCause**](http://docs.google.com/javax/xml/soap/SOAPException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the cause field of this SOAPException object with the given Throwable object. |

| Constructors in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**SOAPException**](http://docs.google.com/javax/xml/soap/SOAPException.html#SOAPException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) reason, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SOAPException object with the given String as the reason for the exception being thrown and the given Throwable object as an embedded exception. |
| [**SOAPException**](http://docs.google.com/javax/xml/soap/SOAPException.html#SOAPException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a SOAPException object initialized with the given Throwable object. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
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| class | [**XMLStreamException**](http://docs.google.com/javax/xml/stream/XMLStreamException.html)            The base exception for unexpected processing errors. |

| Fields in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) declared as [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| protected  [Throwable](http://docs.google.com/java/lang/Throwable.html) | **XMLStreamException.**[**nested**](http://docs.google.com/javax/xml/stream/XMLStreamException.html#nested) |

| Methods in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **XMLStreamException.**[**getNestedException**](http://docs.google.com/javax/xml/stream/XMLStreamException.html#getNestedException())()            Gets the nested exception. |

| Constructors in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**XMLStreamException**](http://docs.google.com/javax/xml/stream/XMLStreamException.html#XMLStreamException(java.lang.String,%20javax.xml.stream.Location,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Location](http://docs.google.com/javax/xml/stream/Location.html) location, [Throwable](http://docs.google.com/java/lang/Throwable.html) th)            Construct an exception with the assocated message, exception and location. |
| [**XMLStreamException**](http://docs.google.com/javax/xml/stream/XMLStreamException.html#XMLStreamException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) th)            Construct an exception with the assocated message and exception |
| [**XMLStreamException**](http://docs.google.com/javax/xml/stream/XMLStreamException.html#XMLStreamException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) th)            Construct an exception with the assocated exception |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) | |
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| class | [**TransformerConfigurationException**](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)            Indicates a serious configuration error. |
| class | [**TransformerException**](http://docs.google.com/javax/xml/transform/TransformerException.html)            This class specifies an exceptional condition that occured during the transformation process. |
| class | [**TransformerFactoryConfigurationError**](http://docs.google.com/javax/xml/transform/TransformerFactoryConfigurationError.html)            Thrown when a problem with configuration with the Transformer Factories exists. |

| Methods in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TransformerException.**[**getCause**](http://docs.google.com/javax/xml/transform/TransformerException.html#getCause())()            Returns the cause of this throwable or null if the cause is nonexistent or unknown. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TransformerException.**[**getException**](http://docs.google.com/javax/xml/transform/TransformerException.html#getException())()            This method retrieves an exception that this exception wraps. |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TransformerException.**[**initCause**](http://docs.google.com/javax/xml/transform/TransformerException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the *cause* of this throwable to the specified value. |

| Methods in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **TransformerException.**[**initCause**](http://docs.google.com/javax/xml/transform/TransformerException.html#initCause(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Initializes the *cause* of this throwable to the specified value. |

| Constructors in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**TransformerConfigurationException**](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html#TransformerConfigurationException(java.lang.String,%20javax.xml.transform.SourceLocator,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [SourceLocator](http://docs.google.com/javax/xml/transform/SourceLocator.html) locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Wrap an existing exception in a TransformerConfigurationException. |
| [**TransformerConfigurationException**](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html#TransformerConfigurationException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) msg, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Create a new TransformerConfigurationException with the given Exception base cause and detail message. |
| [**TransformerConfigurationException**](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html#TransformerConfigurationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Create a new TransformerConfigurationException with a given Exception base cause of the error. |
| [**TransformerException**](http://docs.google.com/javax/xml/transform/TransformerException.html#TransformerException(java.lang.String,%20javax.xml.transform.SourceLocator,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [SourceLocator](http://docs.google.com/javax/xml/transform/SourceLocator.html) locator, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Wrap an existing exception in a TransformerException. |
| [**TransformerException**](http://docs.google.com/javax/xml/transform/TransformerException.html#TransformerException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Wrap an existing exception in a TransformerException. |
| [**TransformerException**](http://docs.google.com/javax/xml/transform/TransformerException.html#TransformerException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) e)            Create a new TransformerException wrapping an existing exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
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| class | [**WebServiceException**](http://docs.google.com/javax/xml/ws/WebServiceException.html)            The WebServiceException class is the base exception class for all JAX-WS API runtime exceptions. |

| Constructors in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**ProtocolException**](http://docs.google.com/javax/xml/ws/ProtocolException.html#ProtocolException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new runtime exception with the specified detail message and cause. |
| [**ProtocolException**](http://docs.google.com/javax/xml/ws/ProtocolException.html#ProtocolException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new runtime exception with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |
| [**WebServiceException**](http://docs.google.com/javax/xml/ws/WebServiceException.html#WebServiceException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new exception with the specified detail message and cause. |
| [**WebServiceException**](http://docs.google.com/javax/xml/ws/WebServiceException.html#WebServiceException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new WebServiceException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws.http](http://docs.google.com/javax/xml/ws/http/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws.http](http://docs.google.com/javax/xml/ws/http/package-summary.html) | |
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| class | [**HTTPException**](http://docs.google.com/javax/xml/ws/http/HTTPException.html)            The HTTPException exception represents a XML/HTTP fault. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws.soap](http://docs.google.com/javax/xml/ws/soap/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.ws.soap](http://docs.google.com/javax/xml/ws/soap/package-summary.html) | |
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| class | [**SOAPFaultException**](http://docs.google.com/javax/xml/ws/soap/SOAPFaultException.html)            The SOAPFaultException exception represents a SOAP 1.1 or 1.2 fault. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) | |
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| class | [**XPathException**](http://docs.google.com/javax/xml/xpath/XPathException.html)            XPathException represents a generic XPath exception. |
| class | [**XPathExpressionException**](http://docs.google.com/javax/xml/xpath/XPathExpressionException.html)            XPathExpressionException represents an error in an XPath expression. |
| class | [**XPathFactoryConfigurationException**](http://docs.google.com/javax/xml/xpath/XPathFactoryConfigurationException.html)            XPathFactoryConfigurationException represents a configuration error in a XPathFactory environment. |
| class | [**XPathFunctionException**](http://docs.google.com/javax/xml/xpath/XPathFunctionException.html)            XPathFunctionException represents an error with an XPath function. |

| Methods in [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) that return [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **XPathException.**[**getCause**](http://docs.google.com/javax/xml/xpath/XPathException.html#getCause())()            Get the cause of this XPathException. |

| Constructors in [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
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| [**XPathException**](http://docs.google.com/javax/xml/xpath/XPathException.html#XPathException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XPathException with the specified cause. |
| [**XPathExpressionException**](http://docs.google.com/javax/xml/xpath/XPathExpressionException.html#XPathExpressionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XPathExpressionException with the specified cause. |
| [**XPathFactoryConfigurationException**](http://docs.google.com/javax/xml/xpath/XPathFactoryConfigurationException.html#XPathFactoryConfigurationException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XPathFactoryConfigurationException with the specified cause. |
| [**XPathFunctionException**](http://docs.google.com/javax/xml/xpath/XPathFunctionException.html#XPathFunctionException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a new XPathFunctionException with the specified cause. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) | |
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| class | [**GSSException**](http://docs.google.com/org/ietf/jgss/GSSException.html)            This exception is thrown whenever a GSS-API error occurs, including any mechanism specific error. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) | |
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| class | [**ACTIVITY\_COMPLETED**](http://docs.google.com/org/omg/CORBA/ACTIVITY_COMPLETED.html)            The ACTIVITY\_COMPLETED system exception may be raised on any method for which Activity context is accessed. |
| class | [**ACTIVITY\_REQUIRED**](http://docs.google.com/org/omg/CORBA/ACTIVITY_REQUIRED.html)            The ACTIVITY\_REQUIRED system exception may be raised on any method for which an Activity context is required. |
| class | [**BAD\_CONTEXT**](http://docs.google.com/org/omg/CORBA/BAD_CONTEXT.html)            Exception thrown when an operation is invoked by a client but the passed context does not contain the context values required by the operation. |
| class | [**BAD\_INV\_ORDER**](http://docs.google.com/org/omg/CORBA/BAD_INV_ORDER.html)            This exception indicates that the caller has invoked operations in the wrong order. |
| class | [**BAD\_OPERATION**](http://docs.google.com/org/omg/CORBA/BAD_OPERATION.html)            Exception thrown when an object reference denotes an existing object, but that the object does not support the operation that was invoked. |
| class | [**BAD\_PARAM**](http://docs.google.com/org/omg/CORBA/BAD_PARAM.html)            Exception thrown when a parameter passed to a call is out of range or otherwise considered illegal. |
| class | [**BAD\_QOS**](http://docs.google.com/org/omg/CORBA/BAD_QOS.html)            The BAD\_QOS exception is raised whenever an object cannot support the quality of service required by an invocation parameter that has a quality of service semantics associated with it. |
| class | [**BAD\_TYPECODE**](http://docs.google.com/org/omg/CORBA/BAD_TYPECODE.html)            Exception thrown when the ORB has encountered a malformed type code (for example, a type code with an invalid TCKind value). |
| class | [**Bounds**](http://docs.google.com/org/omg/CORBA/Bounds.html)            A user exception thrown when a parameter is not within the legal bounds for the object that a method is trying to access. |
| class | [**CODESET\_INCOMPATIBLE**](http://docs.google.com/org/omg/CORBA/CODESET_INCOMPATIBLE.html)            This exception is raised whenever meaningful communication is not possible between client and server native code sets. |
| class | [**COMM\_FAILURE**](http://docs.google.com/org/omg/CORBA/COMM_FAILURE.html)            This exception is raised if communication is lost while an operation is in progress, after the request was sent by the client, but before the reply from the server has been returned to the client. |
| class | [**DATA\_CONVERSION**](http://docs.google.com/org/omg/CORBA/DATA_CONVERSION.html)            This exception is raised if an ORB cannot convert the representation of data as marshaled into its native representation or vice-versa. |
| class | [**FREE\_MEM**](http://docs.google.com/org/omg/CORBA/FREE_MEM.html)            Exception thrown when the ORB failed in an attempt to free dynamic memory, for example because of heap corruption or memory segments being locked. |
| class | [**IMP\_LIMIT**](http://docs.google.com/org/omg/CORBA/IMP_LIMIT.html)            This exception indicates that an implementation limit was exceeded in the ORB run time. |
| class | [**INITIALIZE**](http://docs.google.com/org/omg/CORBA/INITIALIZE.html)            Exception thrown when an ORB has encountered a failure during its initialization, such as failure to acquire networking resources or detecting a configuration error. |
| class | [**INTERNAL**](http://docs.google.com/org/omg/CORBA/INTERNAL.html)            This exception indicates an internal failure in an ORB, for example, if an ORB has detected corruption of its internal data structures. |
| class | [**INTF\_REPOS**](http://docs.google.com/org/omg/CORBA/INTF_REPOS.html)            Exception raised when an ORB cannot reach the interface repository, or some other failure relating to the interface repository is detected. |
| class | [**INV\_FLAG**](http://docs.google.com/org/omg/CORBA/INV_FLAG.html)            Exception thrown when an invalid flag was passed to an operation (for example, when creating a DII request). |
| class | [**INV\_IDENT**](http://docs.google.com/org/omg/CORBA/INV_IDENT.html)            This exception indicates that an IDL identifier is syntactically invalid. |
| class | [**INV\_OBJREF**](http://docs.google.com/org/omg/CORBA/INV_OBJREF.html)            This exception indicates that an object reference is internally malformed. |
| class | [**INV\_POLICY**](http://docs.google.com/org/omg/CORBA/INV_POLICY.html)            Standard exception thrown when an invocation cannot be made because of an incompatibility between Policy overrides that apply to the particular invocation. |
| class | [**INVALID\_ACTIVITY**](http://docs.google.com/org/omg/CORBA/INVALID_ACTIVITY.html)            The INVALID\_ACTIVITY system exception may be raised on the Activity or Transaction services' resume methods if a transaction or Activity is resumed in a context different to that from which it was suspended. |
| class | [**INVALID\_TRANSACTION**](http://docs.google.com/org/omg/CORBA/INVALID_TRANSACTION.html)            Exception thrown when the request carried an invalid transaction context. |
| class | [**MARSHAL**](http://docs.google.com/org/omg/CORBA/MARSHAL.html)            A request or reply from the network is structurally invalid. |
| class | [**NO\_IMPLEMENT**](http://docs.google.com/org/omg/CORBA/NO_IMPLEMENT.html)            This exception indicates that even though the operation that was invoked exists (it has an IDL definition), no implementation for that operation exists. |
| class | [**NO\_MEMORY**](http://docs.google.com/org/omg/CORBA/NO_MEMORY.html)            Exception thrown when the ORB run time has run out of memory. |
| class | [**NO\_PERMISSION**](http://docs.google.com/org/omg/CORBA/NO_PERMISSION.html)            Exception thrown when an invocation failed because the caller has insufficient privileges. |
| class | [**NO\_RESOURCES**](http://docs.google.com/org/omg/CORBA/NO_RESOURCES.html)            Exception thrown when the ORB has encountered some general resource limitation. |
| class | [**NO\_RESPONSE**](http://docs.google.com/org/omg/CORBA/NO_RESPONSE.html)            This exception is raised if a client attempts to retrieve the result of a deferred synchronous call, but the response for the request is not yet available. |
| class | [**OBJ\_ADAPTER**](http://docs.google.com/org/omg/CORBA/OBJ_ADAPTER.html)            This exception typically indicates an administrative mismatch, for example, a server may have made an attempt to register itself with an implementation repository under a name that is already in use, or is unknown to the repository. |
| class | [**OBJECT\_NOT\_EXIST**](http://docs.google.com/org/omg/CORBA/OBJECT_NOT_EXIST.html)            Exception raised whenever an invocation on a deleted object was performed. |
| class | [**PERSIST\_STORE**](http://docs.google.com/org/omg/CORBA/PERSIST_STORE.html)            This exception indicates a persistent storage failure, for example, failure to establish a database connection or corruption of a database. |
| class | [**PolicyError**](http://docs.google.com/org/omg/CORBA/PolicyError.html)            A user exception thrown when a policy error occurs. |
| class | [**REBIND**](http://docs.google.com/org/omg/CORBA/REBIND.html)            REBIND is raised when the current effective RebindPolicy, has a value of NO\_REBIND or NO\_RECONNECT and an invocation on a bound object reference results in a LocateReply message with status OBJECT\_FORWARD or a Reply message with status LOCATION\_FORWARD. |
| class | [**SystemException**](http://docs.google.com/org/omg/CORBA/SystemException.html)            The root class for all CORBA standard exceptions. |
| class | [**TIMEOUT**](http://docs.google.com/org/omg/CORBA/TIMEOUT.html)            TIMEOUT is raised when no delivery has been made and the specified time-to-live period has been exceeded. |
| class | [**TRANSACTION\_MODE**](http://docs.google.com/org/omg/CORBA/TRANSACTION_MODE.html)            The CORBA TRANSACTION\_MODE exception is thrown by the client ORB if it detects a mismatch between the InvocationPolicy in the IOR and the chosen invocation path (i.e, direct or routed invocation). |
| class | [**TRANSACTION\_REQUIRED**](http://docs.google.com/org/omg/CORBA/TRANSACTION_REQUIRED.html)            Exception indicates that the request carried a null transaction context, but an active transaction is required. |
| class | [**TRANSACTION\_ROLLEDBACK**](http://docs.google.com/org/omg/CORBA/TRANSACTION_ROLLEDBACK.html)            Exception thrown when the transaction associated with the request has already been rolled back or marked to roll back. |
| class | [**TRANSACTION\_UNAVAILABLE**](http://docs.google.com/org/omg/CORBA/TRANSACTION_UNAVAILABLE.html)            The CORBA TRANSACTION\_UNAVAILABLE exception is thrown by the ORB when it cannot process a transaction service context because its connection to the Transaction Service has been abnormally terminated. |
| class | [**TRANSIENT**](http://docs.google.com/org/omg/CORBA/TRANSIENT.html)            Exception thrown when the ORB attempted to reach an object and failed. |
| class | [**UNKNOWN**](http://docs.google.com/org/omg/CORBA/UNKNOWN.html)            This exception is raised if an operation implementation throws a non-CORBA exception (such as an exception specific to the implementation's programming language), or if an operation raises a user exception that does not appear in the operation's raises expression. |
| class | [**UnknownUserException**](http://docs.google.com/org/omg/CORBA/UnknownUserException.html)            A class that contains user exceptions returned by the server. |
| class | [**UserException**](http://docs.google.com/org/omg/CORBA/UserException.html)            The root class for CORBA IDL-defined user exceptions. |
| class | [**WrongTransaction**](http://docs.google.com/org/omg/CORBA/WrongTransaction.html)            The CORBA WrongTransaction user-defined exception. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.DynAnyPackage](http://docs.google.com/org/omg/CORBA/DynAnyPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.DynAnyPackage](http://docs.google.com/org/omg/CORBA/DynAnyPackage/package-summary.html) | |
| --- | --- |
| class | [**Invalid**](http://docs.google.com/org/omg/CORBA/DynAnyPackage/Invalid.html)            Invalid is thrown by dynamic any operations when a bad DynAny or Any is passed as a parameter. |
| class | [**InvalidSeq**](http://docs.google.com/org/omg/CORBA/DynAnyPackage/InvalidSeq.html)            The InvalidSeq exception is thrown by all operations on dynamic anys that take a sequence (Java array) as an argument, when that sequence is invalid. |
| class | [**InvalidValue**](http://docs.google.com/org/omg/CORBA/DynAnyPackage/InvalidValue.html) |
| class | [**TypeMismatch**](http://docs.google.com/org/omg/CORBA/DynAnyPackage/TypeMismatch.html)            TypeMismatch is thrown by dynamic any accessor methods when type of the actual contents do not match what is trying to be accessed. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.ORBPackage](http://docs.google.com/org/omg/CORBA/ORBPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.ORBPackage](http://docs.google.com/org/omg/CORBA/ORBPackage/package-summary.html) | |
| --- | --- |
| class | [**InconsistentTypeCode**](http://docs.google.com/org/omg/CORBA/ORBPackage/InconsistentTypeCode.html)            InconsistentTypeCode is thrown when an attempt is made to create a dynamic any with a type code that does not match the particular subclass of DynAny. |
| class | [**InvalidName**](http://docs.google.com/org/omg/CORBA/ORBPackage/InvalidName.html)            The InvalidName exception is raised when ORB.resolve\_initial\_references is passed a name for which there is no initial reference. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
| --- | --- |
| class | [**ApplicationException**](http://docs.google.com/org/omg/CORBA/portable/ApplicationException.html)            This class is used for reporting application level exceptions between ORBs and stubs. |
| class | [**IndirectionException**](http://docs.google.com/org/omg/CORBA/portable/IndirectionException.html)            The Indirection exception is a Java specific system exception. |
| class | [**RemarshalException**](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html)            This class is used for reporting locate forward exceptions and object forward GIOP messages back to the ORB. |
| class | [**UnknownException**](http://docs.google.com/org/omg/CORBA/portable/UnknownException.html)            The org.omg.CORBA.portable.UnknownException is used for reporting unknown exceptions between ties and ORBs and between ORBs and stubs. |

| Fields in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) declared as [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | **UnknownException.**[**originalEx**](http://docs.google.com/org/omg/CORBA/portable/UnknownException.html#originalEx)            A throwable--the original exception that was wrapped in a CORBA UnknownException. |

| Constructors in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) with parameters of type [Throwable](http://docs.google.com/java/lang/Throwable.html) | |
| --- | --- |
| [**UnknownException**](http://docs.google.com/org/omg/CORBA/portable/UnknownException.html#UnknownException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) ex)            Constructs an UnknownException object. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.TypeCodePackage](http://docs.google.com/org/omg/CORBA/TypeCodePackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CORBA.TypeCodePackage](http://docs.google.com/org/omg/CORBA/TypeCodePackage/package-summary.html) | |
| --- | --- |
| class | [**BadKind**](http://docs.google.com/org/omg/CORBA/TypeCodePackage/BadKind.html)            The exception BadKind is thrown when an inappropriate operation is invoked on a TypeCode object. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CosNaming.NamingContextExtPackage](http://docs.google.com/org/omg/CosNaming/NamingContextExtPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CosNaming.NamingContextExtPackage](http://docs.google.com/org/omg/CosNaming/NamingContextExtPackage/package-summary.html) | |
| --- | --- |
| class | [**InvalidAddress**](http://docs.google.com/org/omg/CosNaming/NamingContextExtPackage/InvalidAddress.html)            org/omg/CosNaming/NamingContextExtPackage/InvalidAddress.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CosNaming.NamingContextPackage](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.CosNaming.NamingContextPackage](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/package-summary.html) | |
| --- | --- |
| class | [**AlreadyBound**](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBound.html)            org/omg/CosNaming/NamingContextPackage/AlreadyBound.java . |
| class | [**CannotProceed**](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceed.html)            org/omg/CosNaming/NamingContextPackage/CannotProceed.java . |
| class | [**NotEmpty**](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotEmpty.html)            org/omg/CosNaming/NamingContextPackage/NotEmpty.java . |
| class | [**NotFound**](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFound.html)            org/omg/CosNaming/NamingContextPackage/NotFound.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.IOP.CodecFactoryPackage](http://docs.google.com/org/omg/IOP/CodecFactoryPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.IOP.CodecFactoryPackage](http://docs.google.com/org/omg/IOP/CodecFactoryPackage/package-summary.html) | |
| --- | --- |
| class | [**UnknownEncoding**](http://docs.google.com/org/omg/IOP/CodecFactoryPackage/UnknownEncoding.html)            org/omg/IOP/CodecFactoryPackage/UnknownEncoding.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.IOP.CodecPackage](http://docs.google.com/org/omg/IOP/CodecPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.IOP.CodecPackage](http://docs.google.com/org/omg/IOP/CodecPackage/package-summary.html) | |
| --- | --- |
| class | [**FormatMismatch**](http://docs.google.com/org/omg/IOP/CodecPackage/FormatMismatch.html)            org/omg/IOP/CodecPackage/FormatMismatch.java . |
| class | [**InvalidTypeForEncoding**](http://docs.google.com/org/omg/IOP/CodecPackage/InvalidTypeForEncoding.html)            org/omg/IOP/CodecPackage/InvalidTypeForEncoding.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableInterceptor](http://docs.google.com/org/omg/PortableInterceptor/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableInterceptor](http://docs.google.com/org/omg/PortableInterceptor/package-summary.html) | |
| --- | --- |
| class | [**InvalidSlot**](http://docs.google.com/org/omg/PortableInterceptor/InvalidSlot.html)            org/omg/PortableInterceptor/InvalidSlot.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableInterceptor.ORBInitInfoPackage](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableInterceptor.ORBInitInfoPackage](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/package-summary.html) | |
| --- | --- |
| class | [**DuplicateName**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/DuplicateName.html)            org/omg/PortableInterceptor/ORBInitInfoPackage/DuplicateName.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer](http://docs.google.com/org/omg/PortableServer/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer](http://docs.google.com/org/omg/PortableServer/package-summary.html) | |
| --- | --- |
| class | [**ForwardRequest**](http://docs.google.com/org/omg/PortableServer/ForwardRequest.html)            org/omg/PortableServer/ForwardRequest.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.CurrentPackage](http://docs.google.com/org/omg/PortableServer/CurrentPackage/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.CurrentPackage](http://docs.google.com/org/omg/PortableServer/CurrentPackage/package-summary.html) | |
| --- | --- |
| class | [**NoContext**](http://docs.google.com/org/omg/PortableServer/CurrentPackage/NoContext.html)            org/omg/PortableServer/CurrentPackage/NoContext.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.POAManagerPackage](http://docs.google.com/org/omg/PortableServer/POAManagerPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.POAManagerPackage](http://docs.google.com/org/omg/PortableServer/POAManagerPackage/package-summary.html) | |
| --- | --- |
| class | [**AdapterInactive**](http://docs.google.com/org/omg/PortableServer/POAManagerPackage/AdapterInactive.html)            org/omg/PortableServer/POAManagerPackage/AdapterInactive.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.POAPackage](http://docs.google.com/org/omg/PortableServer/POAPackage/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.omg.PortableServer.POAPackage](http://docs.google.com/org/omg/PortableServer/POAPackage/package-summary.html) | |
| --- | --- |
| class | [**AdapterAlreadyExists**](http://docs.google.com/org/omg/PortableServer/POAPackage/AdapterAlreadyExists.html)            org/omg/PortableServer/POAPackage/AdapterAlreadyExists.java . |
| class | [**AdapterNonExistent**](http://docs.google.com/org/omg/PortableServer/POAPackage/AdapterNonExistent.html)            org/omg/PortableServer/POAPackage/AdapterNonExistent.java . |
| class | [**InvalidPolicy**](http://docs.google.com/org/omg/PortableServer/POAPackage/InvalidPolicy.html)            org/omg/PortableServer/POAPackage/InvalidPolicy.java . |
| class | [**NoServant**](http://docs.google.com/org/omg/PortableServer/POAPackage/NoServant.html)            org/omg/PortableServer/POAPackage/NoServant.java . |
| class | [**ObjectAlreadyActive**](http://docs.google.com/org/omg/PortableServer/POAPackage/ObjectAlreadyActive.html)            org/omg/PortableServer/POAPackage/ObjectAlreadyActive.java . |
| class | [**ObjectNotActive**](http://docs.google.com/org/omg/PortableServer/POAPackage/ObjectNotActive.html)            org/omg/PortableServer/POAPackage/ObjectNotActive.java . |
| class | [**ServantAlreadyActive**](http://docs.google.com/org/omg/PortableServer/POAPackage/ServantAlreadyActive.html)            org/omg/PortableServer/POAPackage/ServantAlreadyActive.java . |
| class | [**ServantNotActive**](http://docs.google.com/org/omg/PortableServer/POAPackage/ServantNotActive.html)            org/omg/PortableServer/POAPackage/ServantNotActive.java . |
| class | [**WrongAdapter**](http://docs.google.com/org/omg/PortableServer/POAPackage/WrongAdapter.html)            org/omg/PortableServer/POAPackage/WrongAdapter.java . |
| class | [**WrongPolicy**](http://docs.google.com/org/omg/PortableServer/POAPackage/WrongPolicy.html)            org/omg/PortableServer/POAPackage/WrongPolicy.java . |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom](http://docs.google.com/org/w3c/dom/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom](http://docs.google.com/org/w3c/dom/package-summary.html) | |
| --- | --- |
| class | [**DOMException**](http://docs.google.com/org/w3c/dom/DOMException.html)            DOM operations only raise exceptions in "exceptional" circumstances, i.e., when an operation is impossible to perform (either for logical reasons, because data is lost, or because the implementation has become unstable). |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom.events](http://docs.google.com/org/w3c/dom/events/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom.events](http://docs.google.com/org/w3c/dom/events/package-summary.html) | |
| --- | --- |
| class | [**EventException**](http://docs.google.com/org/w3c/dom/events/EventException.html)            Event operations may throw an EventException as specified in their method descriptions. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) | |
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| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) | |
| --- | --- |
| class | [**LSException**](http://docs.google.com/org/w3c/dom/ls/LSException.html)            Parser or write operations may throw an LSException if the processing is stopped. |

| Uses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) | |
| --- | --- |

| Subclasses of [Throwable](http://docs.google.com/java/lang/Throwable.html) in [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) | |
| --- | --- |
| class | [**SAXException**](http://docs.google.com/org/xml/sax/SAXException.html)            Encapsulate a general SAX error or warning. |
| class | [**SAXNotRecognizedException**](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html)            Exception class for an unrecognized identifier. |
| class | [**SAXNotSupportedException**](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html)            Exception class for an unsupported operation. |
| class | [**SAXParseException**](http://docs.google.com/org/xml/sax/SAXParseException.html)            Encapsulate an XML parse error or warning. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Throwable.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/lang//class-useThrowable.html)    [**NO FRAMES**](http://docs.google.com/Throwable.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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