| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **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/io/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Package**

**java.io**

| Packages that use [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |
| [**java.applet**](#3znysh7) | Provides the classes necessary to create an applet and the classes an applet uses to communicate with its applet context. |
| [**java.awt**](#2et92p0) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.color**](#tyjcwt) | Provides classes for color spaces. |
| [**java.awt.datatransfer**](#3dy6vkm) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.awt.dnd**](#1t3h5sf) | 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**](#4d34og8) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.font**](#2s8eyo1) | Provides classes and interface relating to fonts. |
| [**java.awt.geom**](#17dp8vu) | Provides the Java 2D classes for defining and performing operations on objects related to two-dimensional geometry. |
| [**java.awt.image**](#3rdcrjn) | Provides classes for creating and modifying images. |
| [**java.awt.image.renderable**](#26in1rg) | Provides classes and interfaces for producing rendering-independent images. |
| [**java.awt.print**](#lnxbz9) | Provides classes and interfaces for a general printing API. |
| [**java.beans**](#35nkun2) | Contains classes related to developing *beans* -- components based on the JavaBeansTM architecture. |
| [**java.beans.beancontext**](#1ksv4uv) | Provides classes and interfaces relating to bean context. |
| [**java.io**](#44sinio) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#2jxsxqh) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.annotation**](#z337ya) | Provides library support for the Java programming language annotation facility. |
| [**java.lang.instrument**](#3j2qqm3) | Provides services that allow Java programming language agents to instrument programs running on the JVM. |
| [**java.lang.management**](#1y810tw) | Provides the management interface for monitoring and management of the Java virtual machine as well as the operating system on which the Java virtual machine is running. |
| [**java.lang.reflect**](#4i7ojhp) | Provides classes and interfaces for obtaining reflective information about classes and objects. |
| [**java.math**](#2xcytpi) | Provides classes for performing arbitrary-precision integer arithmetic (BigInteger) and arbitrary-precision decimal arithmetic (BigDecimal). |
| [**java.net**](#1ci93xb) | Provides the classes for implementing networking applications. |
| [**java.nio**](#3whwml4) | Defines buffers, which are containers for data, and provides an overview of the other NIO packages. |
| [**java.nio.channels**](#2bn6wsx) | 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.channels.spi**](#qsh70q) | Service-provider classes for the [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) package. |
| [**java.nio.charset**](#3as4poj) | Defines charsets, decoders, and encoders, for translating between bytes and Unicode characters. |
| [**java.rmi**](#1pxezwc) | Provides the RMI package. |
| [**java.rmi.activation**](#49x2ik5) | Provides support for RMI Object Activation. |
| [**java.rmi.dgc**](#2p2csry) | Provides classes and interface for RMI distributed garbage-collection (DGC). |
| [**java.rmi.server**](#147n2zr) | Provides classes and interfaces for supporting the server side of RMI. |
| [**java.security**](#3o7alnk) | Provides the classes and interfaces for the security framework. |
| [**java.security.acl**](#23ckvvd) | The classes and interfaces in this package have been superseded by classes in the java.security package. |
| [**java.security.cert**](#ihv636) | Provides classes and interfaces for parsing and managing certificates, certificate revocation lists (CRLs), and certification paths. |
| [**java.security.interfaces**](#32hioqz) | Provides interfaces for generating RSA (Rivest, Shamir and Adleman AsymmetricCipher algorithm) keys as defined in the RSA Laboratory Technical Note PKCS#1, and DSA (Digital Signature Algorithm) keys as defined in NIST's FIPS-186. |
| [**java.security.spec**](#1hmsyys) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**java.sql**](#41mghml) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.text**](#2grqrue) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**java.util**](#vx1227) | 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**](#3fwokq0) | Utility classes commonly useful in concurrent programming. |
| [**java.util.concurrent.atomic**](#1v1yuxt) | A small toolkit of classes that support lock-free thread-safe programming on single variables. |
| [**java.util.concurrent.locks**](#4f1mdlm) | Interfaces and classes providing a framework for locking and waiting for conditions that is distinct from built-in synchronization and monitors. |
| [**java.util.jar**](#2u6wntf) | 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**](#19c6y18) | Provides the classes and interfaces of the JavaTM 2 platform's core logging facilities. |
| [**java.util.prefs**](#3tbugp1) | This package allows applications to store and retrieve user and system preference and configuration data. |
| [**java.util.regex**](#28h4qwu) | Classes for matching character sequences against patterns specified by regular expressions. |
| [**java.util.zip**](#nmf14n) | Provides classes for reading and writing the standard ZIP and GZIP file formats. |
| [**javax.accessibility**](#37m2jsg) | Defines a contract between user-interface components and an assistive technology that provides access to those components. |
| [**javax.activation**](#1mrcu09) |  |
| [**javax.activity**](#46r0co2) | Contains Activity service related exceptions thrown by the ORB machinery during unmarshalling. |
| [**javax.annotation**](#2lwamvv) |  |
| [**javax.annotation.processing**](#111kx3o) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.crypto**](#3l18frh) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.crypto.interfaces**](#206ipza) | Provides interfaces for Diffie-Hellman keys as defined in RSA Laboratories' PKCS #3. |
| [**javax.crypto.spec**](#4k668n3) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.imageio**](#2zbgiuw) | The main package of the Java Image I/O API. |
| [**javax.imageio.metadata**](#1egqt2p) | A package of the Java Image I/O API dealing with reading and writing metadata. |
| [**javax.imageio.spi**](#3ygebqi) | 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**](#2dlolyb) | A package of the Java Image I/O API dealing with low-level I/O from files and streams. |
| [**javax.jws**](#sqyw64) |  |
| [**javax.jws.soap**](#3cqmetx) |  |
| [**javax.lang.model**](#1rvwp1q) | Classes and hierarchies of packages used to model the Java programming language. |
| [**javax.lang.model.element**](#4bvk7pj) | Interfaces used to model elements of the Java programming language. |
| [**javax.lang.model.type**](#2r0uhxc) | Interfaces used to model Java programming language types. |
| [**javax.lang.model.util**](#1664s55) | Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html). |
| [**javax.management**](#3q5sasy) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.loading**](#25b2l0r) | Provides the classes which implement advanced dynamic loading. |
| [**javax.management.modelmbean**](#kgcv8k) | Provides the definition of the ModelMBean classes. |
| [**javax.management.monitor**](#34g0dwd) | Provides the definition of the monitor classes. |
| [**javax.management.openmbean**](#1jlao46) | Provides the open data types and Open MBean descriptor classes. |
| [**javax.management.relation**](#43ky6rz) | Provides the definition of the Relation Service. |
| [**javax.management.remote**](#2iq8gzs) | Interfaces for remote access to JMX MBean servers. |
| [**javax.management.remote.rmi**](#xvir7l) | The RMI connector is a connector for the JMX Remote API that uses RMI to transmit client requests to a remote MBean server. |
| [**javax.management.timer**](#3hv69ve) | Provides the definition of the Timer MBean. |
| [**javax.naming**](#1x0gk37) | Provides the classes and interfaces for accessing naming services. |
| [**javax.naming.directory**](#4h042r0) | Extends the javax.naming package to provide functionality for accessing directory services. |
| [**javax.naming.event**](#2w5ecyt) | Provides support for event notification when accessing naming and directory services. |
| [**javax.naming.ldap**](#1baon6m) | Provides support for LDAPv3 extended operations and controls. |
| [**javax.naming.spi**](#3vac5uf) | Provides the means for dynamically plugging in support for accessing naming and directory services through the javax.naming and related packages. |
| [**javax.net**](#2afmg28) | Provides classes for networking applications. |
| [**javax.net.ssl**](#pkwqa1) | Provides classes for the secure socket package. |
| [**javax.print**](#39kk8xu) | Provides the principal classes and interfaces for the JavaTM Print Service API. |
| [**javax.print.attribute**](#1opuj5n) | Provides classes and interfaces that describe the types of JavaTM Print Service attributes and how they can be collected into attribute sets. |
| [**javax.print.attribute.standard**](#48pi1tg) | Package javax.print.attribute.standard contains classes for specific printing attributes. |
| [**javax.print.event**](#2nusc19) | Package javax.print.event contains event classes and listener interfaces. |
| [**javax.rmi.CORBA**](#1302m92) | Contains portability APIs for RMI-IIOP. |
| [**javax.rmi.ssl**](#3mzq4wv) | Provides implementations of [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) and [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) over the Secure Sockets Layer (SSL) or Transport Layer Security (TLS) protocols. |
| [**javax.script**](#2250f4o) | 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**](#haapch) | This package provides a framework for authentication and authorization. |
| [**javax.security.auth.callback**](#319y80a) | 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.kerberos**](#1gf8i83) | This package contains utility classes related to the Kerberos network authentication protocol. |
| [**javax.security.auth.login**](#40ew0vw) | This package provides a pluggable authentication framework. |
| [**javax.security.auth.x500**](#2fk6b3p) | This package contains the classes that should be used to store X500 Principal and X500 Private Crendentials in a *Subject*. |
| [**javax.security.cert**](#upglbi) | Provides classes for public key certificates. |
| [**javax.security.sasl**](#3ep43zb) | Contains class and interfaces for supporting SASL. |
| [**javax.sound.midi**](#1tuee74) | Provides interfaces and classes for I/O, sequencing, and synthesis of MIDI (Musical Instrument Digital Interface) data. |
| [**javax.sound.midi.spi**](#4du1wux) | Supplies interfaces for service providers to implement when offering new MIDI devices, MIDI file readers and writers, or sound bank readers. |
| [**javax.sound.sampled**](#2szc72q) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sound.sampled.spi**](#184mhaj) | Supplies abstract classes for service providers to subclass when offering new audio devices, sound file readers and writers, or audio format converters. |
| [**javax.sql**](#3s49zyc) | Provides the API for server side data source access and processing from the JavaTM programming language. |
| [**javax.sql.rowset**](#279ka65) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#meukdy) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.sql.rowset.spi**](#36ei31r) | The standard classes and interfaces that a third party vendor has to use in its implementation of a synchronization provider. |
| [**javax.swing**](#1ljsd9k) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.border**](#45jfvxd) | Provides classes and interface for drawing specialized borders around a Swing component. |
| [**javax.swing.colorchooser**](#2koq656) | Contains classes and interfaces used by the JColorChooser component. |
| [**javax.swing.event**](#zu0gcz) | Provides for events fired by Swing components. |
| [**javax.swing.filechooser**](#3jtnz0s) | Contains classes and interfaces used by the JFileChooser component. |
| [**javax.swing.plaf**](#1yyy98l) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#4iylrwe) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#2y3w247) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.plaf.multi**](#1d96cc0) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.plaf.synth**](#3x8tuzt) | Synth is a skinnable look and feel in which all painting is delegated. |
| [**javax.swing.table**](#2ce457m) | Provides classes and interfaces for dealing with javax.swing.JTable. |
| [**javax.swing.text**](#rjefff) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#3bj1y38) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.text.html.parser**](#1qoc8b1) | Provides the default HTML parser, along with support classes. |
| [**javax.swing.text.rtf**](#4anzqyu) | Provides a class (RTFEditorKit) for creating Rich-Text-Format text editors. |
| [**javax.swing.tree**](#2pta16n) | Provides classes and interfaces for dealing with javax.swing.JTree. |
| [**javax.swing.undo**](#14ykbeg) | Allows developers to provide support for undo/redo in applications such as text editors. |
| [**javax.tools**](#3oy7u29) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |
| [**javax.transaction**](#243i4a2) | Contains three exceptions thrown by the ORB machinery during unmarshalling. |
| [**javax.transaction.xa**](#j8sehv) | 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**](#338fx5o) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.bind.annotation**](#1idq7dh) | Defines annotations for customizing Java program elements to XML Schema mapping. |
| [**javax.xml.bind.helpers**](#42ddq1a) | **JAXB Provider Use Only:** Provides partial default implementations for some of the javax.xml.bind interfaces. |
| [**javax.xml.crypto**](#2hio093) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dsig**](#wnyagw) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.datatype**](#3gnlt4p) | XML/Java Type Mappings. |
| [**javax.xml.namespace**](#1vsw3ci) | XML Namespace processing. |
| [**javax.xml.parsers**](#4fsjm0b) | Provides classes allowing the processing of XML documents. |
| [**javax.xml.soap**](#2uxtw84) | Provides the API for creating and building SOAP messages. |
| [**javax.xml.stream**](#1a346fx) |  |
| [**javax.xml.stream.events**](#3u2rp3q) |  |
| [**javax.xml.transform**](#2981zbj) | This package defines the generic APIs for processing transformation instructions, and performing a transformation from source to result. |
| [**javax.xml.transform.stream**](#odc9jc) | This package implements stream- and URI- specific transformation APIs. |
| [**javax.xml.validation**](#38czs75) | This package provides an API for validation of XML documents. |
| [**javax.xml.ws**](#1nia2ey) | This package contains the core JAX-WS APIs. |
| [**javax.xml.ws.handler**](#47hxl2r) | This package defines APIs for message handlers. |
| [**javax.xml.ws.http**](#2mn7vak) | This package defines APIs specific to the HTTP binding. |
| [**javax.xml.ws.soap**](#11si5id) | This package defines APIs specific to the SOAP binding. |
| [**javax.xml.xpath**](#3ls5o66) | This package provides an *object-model neutral* API for the evaluation of XPath expressions and access to the evaluation environment. |
| [**org.ietf.jgss**](#20xfydz) | 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**](#4kx3h1s) | 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**](#302dr9l) | Provides the exceptions used with the DynAny interface (InvalidValue, Invalid, InvalidSeq, and TypeMismatch). |
| [**org.omg.CORBA.ORBPackage**](#1f7o1he) | 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.TypeCodePackage**](#3z7bk57) | Provides the user-defined exceptions BadKind and Bounds, which are thrown by methods in in the class TypeCode. |
| [**org.omg.CORBA.portable**](#2eclud0) | 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\_2\_3.portable**](#thw4kt) | Provides methods for the input and output of value types, and contains other updates to the org/omg/CORBA/portable package. |
| [**org.omg.CosNaming**](#3dhjn8m) | Provides a naming service for Java IDL. |
| [**org.omg.CosNaming.NamingContextExtPackage**](#1smtxgf) | This package contains the following classes, which are used in org.omg.CosNaming.NamingContextExt: |
| [**org.omg.CosNaming.NamingContextPackage**](#4cmhg48) | This package contains Exception classes for the org.omg.CosNaming package. |
| [**org.omg.Dynamic**](#2rrrqc1) | This package contains the Dynamic module specified in the OMG Portable Interceptor specification, <http://cgi.omg.org/cgi-bin/doc?ptc/2000-08-06>, section 21.9. |
| [**org.omg.DynamicAny**](#16x20ju) | Provides classes and interfaces that enable traversal of the data value associated with an any at runtime, and extraction of the primitive constituents of the data value. |
| [**org.omg.IOP**](#3qwpj7n) | This package contains the IOP module specified in the OMG document *The Common Object Request Broker: Architecture and Specification*, <http://cgi.omg.org/cgi-bin/doc?formal/99-10-07>, section 13.6. |
| [**org.omg.IOP.CodecFactoryPackage**](#261ztfg) | This package contains the exceptions specified in the IOP::CodeFactory interface (as part of the Portable Interceptors spec). |
| [**org.omg.IOP.CodecPackage**](#l7a3n9) | This package is generated from the IOP::Codec IDL interface definition. |
| [**org.omg.PortableInterceptor**](#356xmb2) | 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**](#1kc7wiv) | 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**](#44bvf6o) | Provides classes and interfaces for making the server side of your applications portable across multivendor ORBs. |
| [**org.omg.PortableServer.CurrentPackage**](#2jh5peh) | Provides method implementations with access to the identity of the object on which the method was invoked. |
| [**org.omg.PortableServer.POAManagerPackage**](#ymfzma) | Encapsulates the processing state of the POAs it is associated with. |
| [**org.omg.PortableServer.POAPackage**](#3im3ia3) | Allows programmers to construct object implementations that are portable between different ORB products. |
| [**org.omg.SendingContext**](#1xrdshw) | Provides support for the marshalling of value types. |
| [**org.omg.stub.java.rmi**](#4hr1b5p) | Contains RMI-IIOP Stubs for the Remote types that occur in the java.rmi package. |
| [**org.w3c.dom**](#2wwbldi) | 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**](#1c1lvlb) |  |
| [**org.w3c.dom.ls**](#3w19e94) |  |
| [**org.xml.sax**](#2b6jogx) | This package provides the core SAX APIs. |
| [**org.xml.sax.ext**](#qbtyoq) | This package contains interfaces to SAX2 facilities that conformant SAX drivers won't necessarily support. |
| [**org.xml.sax.helpers**](#3abhhcj) | This package contains "helper" classes, including support for bootstrapping SAX-based applications. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.applet](http://docs.google.com/java/applet/package-summary.html) | |
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| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.applet)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.applet)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.applet)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.awt)            An abstract representation of file and directory pathnames. |
| [**FilenameFilter**](http://docs.google.com/java/io/class-use/FilenameFilter.html#java.awt)            Instances of classes that implement this interface are used to filter filenames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.awt)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.awt)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectOutputStream**](http://docs.google.com/java/io/class-use/ObjectOutputStream.html#java.awt)            An ObjectOutputStream writes primitive data types and graphs of Java objects to an OutputStream. |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#java.awt)            Superclass of all exceptions specific to Object Stream classes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.awt)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#java.awt)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.color](http://docs.google.com/java/awt/color/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.awt.color)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.awt.color)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#java.awt.color)            Superclass of all exceptions specific to Object Stream classes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.awt.color)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.color)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
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| [**Externalizable**](http://docs.google.com/java/io/class-use/Externalizable.html#java.awt.datatransfer)            Only the identity of the class of an Externalizable instance is written in the serialization stream and it is the responsibility of the class to save and restore the contents of its instances. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.awt.datatransfer)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInput**](http://docs.google.com/java/io/class-use/ObjectInput.html#java.awt.datatransfer)            ObjectInput extends the DataInput interface to include the reading of objects. |
| [**ObjectOutput**](http://docs.google.com/java/io/class-use/ObjectOutput.html#java.awt.datatransfer)            ObjectOutput extends the DataOutput interface to include writing of objects. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#java.awt.datatransfer)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.datatransfer)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
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| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.awt.dnd)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.dnd)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.event)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) | |
| --- | --- |
| [**InvalidObjectException**](http://docs.google.com/java/io/class-use/InvalidObjectException.html#java.awt.font)            Indicates that one or more deserialized objects failed validation tests. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.font)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.geom](http://docs.google.com/java/awt/geom/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.geom)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.image)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.image.renderable)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.awt.print](http://docs.google.com/java/awt/print/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.awt.print)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.awt.print)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.beans)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.beans)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.beans)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.beans)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.beans.beancontext)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.beans.beancontext)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInputStream**](http://docs.google.com/java/io/class-use/ObjectInputStream.html#java.beans.beancontext)            An ObjectInputStream deserializes primitive data and objects previously written using an ObjectOutputStream. |
| [**ObjectOutputStream**](http://docs.google.com/java/io/class-use/ObjectOutputStream.html#java.beans.beancontext)            An ObjectOutputStream writes primitive data types and graphs of Java objects to an OutputStream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.beans.beancontext)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |
| [**BufferedReader**](http://docs.google.com/java/io/class-use/BufferedReader.html#java.io)            Reads text from a character-input stream, buffering characters so as to provide for the efficient reading of characters, arrays, and lines. |
| [**CharArrayWriter**](http://docs.google.com/java/io/class-use/CharArrayWriter.html#java.io)            This class implements a character buffer that can be used as an Writer. |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.io)            A Closeable is a source or destination of data that can be closed. |
| [**Console**](http://docs.google.com/java/io/class-use/Console.html#java.io)            Methods to access the character-based console device, if any, associated with the current Java virtual machine. |
| [**DataInput**](http://docs.google.com/java/io/class-use/DataInput.html#java.io)            The DataInput interface provides for reading bytes from a binary stream and reconstructing from them data in any of the Java primitive types. |
| [**DataOutput**](http://docs.google.com/java/io/class-use/DataOutput.html#java.io)            The DataOutput interface provides for converting data from any of the Java primitive types to a series of bytes and writing these bytes to a binary stream. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.io)            An abstract representation of file and directory pathnames. |
| [**FileDescriptor**](http://docs.google.com/java/io/class-use/FileDescriptor.html#java.io)            Instances of the file descriptor class serve as an opaque handle to the underlying machine-specific structure representing an open file, an open socket, or another source or sink of bytes. |
| [**FileFilter**](http://docs.google.com/java/io/class-use/FileFilter.html#java.io)            A filter for abstract pathnames. |
| [**FilenameFilter**](http://docs.google.com/java/io/class-use/FilenameFilter.html#java.io)            Instances of classes that implement this interface are used to filter filenames. |
| [**FileNotFoundException**](http://docs.google.com/java/io/class-use/FileNotFoundException.html#java.io)            Signals that an attempt to open the file denoted by a specified pathname has failed. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#java.io)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#java.io)            This class is the superclass of all classes that filter output streams. |
| [**FilterReader**](http://docs.google.com/java/io/class-use/FilterReader.html#java.io)            Abstract class for reading filtered character streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.io)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.io)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**InputStreamReader**](http://docs.google.com/java/io/class-use/InputStreamReader.html#java.io)            An InputStreamReader is a bridge from byte streams to character streams: It reads bytes and decodes them into characters using a specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |
| [**InvalidObjectException**](http://docs.google.com/java/io/class-use/InvalidObjectException.html#java.io)            Indicates that one or more deserialized objects failed validation tests. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.io)            Signals that an I/O exception of some sort has occurred. |
| [**NotActiveException**](http://docs.google.com/java/io/class-use/NotActiveException.html#java.io)            Thrown when serialization or deserialization is not active. |
| [**ObjectInput**](http://docs.google.com/java/io/class-use/ObjectInput.html#java.io)            ObjectInput extends the DataInput interface to include the reading of objects. |
| [**ObjectInputStream.GetField**](http://docs.google.com/java/io/class-use/ObjectInputStream.GetField.html#java.io)            Provide access to the persistent fields read from the input stream. |
| [**ObjectInputValidation**](http://docs.google.com/java/io/class-use/ObjectInputValidation.html#java.io)            Callback interface to allow validation of objects within a graph. |
| [**ObjectOutput**](http://docs.google.com/java/io/class-use/ObjectOutput.html#java.io)            ObjectOutput extends the DataOutput interface to include writing of objects. |
| [**ObjectOutputStream.PutField**](http://docs.google.com/java/io/class-use/ObjectOutputStream.PutField.html#java.io)            Provide programmatic access to the persistent fields to be written to ObjectOutput. |
| [**ObjectStreamClass**](http://docs.google.com/java/io/class-use/ObjectStreamClass.html#java.io)            Serialization's descriptor for classes. |
| [**ObjectStreamConstants**](http://docs.google.com/java/io/class-use/ObjectStreamConstants.html#java.io)            Constants written into the Object Serialization Stream. |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#java.io)            Superclass of all exceptions specific to Object Stream classes. |
| [**ObjectStreamField**](http://docs.google.com/java/io/class-use/ObjectStreamField.html#java.io)            A description of a Serializable field from a Serializable class. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.io)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/class-use/OutputStreamWriter.html#java.io)            An OutputStreamWriter is a bridge from character streams to byte streams: Characters written to it are encoded into bytes using a specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |
| [**PipedInputStream**](http://docs.google.com/java/io/class-use/PipedInputStream.html#java.io)            A piped input stream should be connected to a piped output stream; the piped input stream then provides whatever data bytes are written to the piped output stream. |
| [**PipedOutputStream**](http://docs.google.com/java/io/class-use/PipedOutputStream.html#java.io)            A piped output stream can be connected to a piped input stream to create a communications pipe. |
| [**PipedReader**](http://docs.google.com/java/io/class-use/PipedReader.html#java.io)            Piped character-input streams. |
| [**PipedWriter**](http://docs.google.com/java/io/class-use/PipedWriter.html#java.io)            Piped character-output streams. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.io)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#java.io)            Prints formatted representations of objects to a text-output stream. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#java.io)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.io)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**SerializablePermission**](http://docs.google.com/java/io/class-use/SerializablePermission.html#java.io)            This class is for Serializable permissions. |
| [**StreamCorruptedException**](http://docs.google.com/java/io/class-use/StreamCorruptedException.html#java.io)            Thrown when control information that was read from an object stream violates internal consistency checks. |
| [**StringWriter**](http://docs.google.com/java/io/class-use/StringWriter.html#java.io)            A character stream that collects its output in a string buffer, which can then be used to construct a string. |
| [**SyncFailedException**](http://docs.google.com/java/io/class-use/SyncFailedException.html#java.io)            Signals that a sync operation has failed. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#java.io)            The Character Encoding is not supported. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#java.io)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |
| [**Console**](http://docs.google.com/java/io/class-use/Console.html#java.lang)            Methods to access the character-based console device, if any, associated with the current Java virtual machine. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.lang)            An abstract representation of file and directory pathnames. |
| [**FileDescriptor**](http://docs.google.com/java/io/class-use/FileDescriptor.html#java.lang)            Instances of the file descriptor class serve as an opaque handle to the underlying machine-specific structure representing an open file, an open socket, or another source or sink of bytes. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.lang)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.lang)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.lang)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.lang)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#java.lang)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.lang)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#java.lang)            The Character Encoding is not supported. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.lang.annotation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.lang.instrument](http://docs.google.com/java/lang/instrument/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.lang.instrument)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.lang.management](http://docs.google.com/java/lang/management/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.lang.management)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.lang.management)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.lang.reflect](http://docs.google.com/java/lang/reflect/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.lang.reflect)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.math](http://docs.google.com/java/math/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.math)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.net](http://docs.google.com/java/net/package-summary.html) | |
| --- | --- |
| [**FileDescriptor**](http://docs.google.com/java/io/class-use/FileDescriptor.html#java.net)            Instances of the file descriptor class serve as an opaque handle to the underlying machine-specific structure representing an open file, an open socket, or another source or sink of bytes. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.net)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**InterruptedIOException**](http://docs.google.com/java/io/class-use/InterruptedIOException.html#java.net)            Signals that an I/O operation has been interrupted. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.net)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.net)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.net)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#java.net)            The Character Encoding is not supported. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.nio](http://docs.google.com/java/nio/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.nio)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.nio)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.nio.channels)            A Closeable is a source or destination of data that can be closed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.nio.channels)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.nio.channels)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.nio.channels)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#java.nio.channels)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.nio.channels)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#java.nio.channels)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.nio.channels.spi)            A Closeable is a source or destination of data that can be closed. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.nio.channels.spi)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.nio.charset)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.nio.charset)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.rmi)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.rmi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.rmi.activation)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.rmi.activation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.rmi.dgc](http://docs.google.com/java/rmi/dgc/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.rmi.dgc)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.rmi.server)            A Closeable is a source or destination of data that can be closed. |
| [**DataInput**](http://docs.google.com/java/io/class-use/DataInput.html#java.rmi.server)            The DataInput interface provides for reading bytes from a binary stream and reconstructing from them data in any of the Java primitive types. |
| [**DataOutput**](http://docs.google.com/java/io/class-use/DataOutput.html#java.rmi.server)            The DataOutput interface provides for converting data from any of the Java primitive types to a series of bytes and writing these bytes to a binary stream. |
| [**Externalizable**](http://docs.google.com/java/io/class-use/Externalizable.html#java.rmi.server)            Only the identity of the class of an Externalizable instance is written in the serialization stream and it is the responsibility of the class to save and restore the contents of its instances. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#java.rmi.server)            This class is the superclass of all classes that filter output streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.rmi.server)            A Flushable is a destination of data that can be flushed. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.rmi.server)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInput**](http://docs.google.com/java/io/class-use/ObjectInput.html#java.rmi.server)            ObjectInput extends the DataInput interface to include the reading of objects. |
| [**ObjectOutput**](http://docs.google.com/java/io/class-use/ObjectOutput.html#java.rmi.server)            ObjectOutput extends the DataOutput interface to include writing of objects. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.rmi.server)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.rmi.server)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.rmi.server)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**StreamCorruptedException**](http://docs.google.com/java/io/class-use/StreamCorruptedException.html#java.rmi.server)            Thrown when control information that was read from an object stream violates internal consistency checks. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.security)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.security)            An abstract representation of file and directory pathnames. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#java.security)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#java.security)            This class is the superclass of all classes that filter output streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.security)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.security)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.security)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#java.security)            Superclass of all exceptions specific to Object Stream classes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.security)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.security)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.security.acl](http://docs.google.com/java/security/acl/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.security.acl)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.security.cert)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.security.cert)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#java.security.cert)            Superclass of all exceptions specific to Object Stream classes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.security.cert)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.security.interfaces](http://docs.google.com/java/security/interfaces/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.security.interfaces)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.security.spec)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.sql)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.sql)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.sql)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#java.sql)            Prints formatted representations of objects to a text-output stream. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#java.sql)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.sql)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#java.sql)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |
| [**InvalidObjectException**](http://docs.google.com/java/io/class-use/InvalidObjectException.html#java.text)            Indicates that one or more deserialized objects failed validation tests. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.text)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.util)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.util)            An abstract representation of file and directory pathnames. |
| [**FileNotFoundException**](http://docs.google.com/java/io/class-use/FileNotFoundException.html#java.util)            Signals that an attempt to open the file denoted by a specified pathname has failed. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.util)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.util)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.util)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.util)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#java.util)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#java.util)            Prints formatted representations of objects to a text-output stream. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#java.util)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#java.util)            The Character Encoding is not supported. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#java.util)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.concurrent)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.concurrent.atomic](http://docs.google.com/java/util/concurrent/atomic/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.concurrent.atomic)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.concurrent.locks](http://docs.google.com/java/util/concurrent/locks/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.concurrent.locks)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.util.jar)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.util.jar)            An abstract representation of file and directory pathnames. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#java.util.jar)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#java.util.jar)            This class is the superclass of all classes that filter output streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.util.jar)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.util.jar)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.util.jar)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.util.jar)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.jar)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.util.logging)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.util.logging)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.util.logging)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.logging)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#java.util.logging)            The Character Encoding is not supported. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.util.prefs)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.util.prefs)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.util.prefs)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.prefs)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.regex](http://docs.google.com/java/util/regex/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.regex)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#java.util.zip)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#java.util.zip)            An abstract representation of file and directory pathnames. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#java.util.zip)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#java.util.zip)            This class is the superclass of all classes that filter output streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#java.util.zip)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#java.util.zip)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#java.util.zip)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#java.util.zip)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#java.util.zip)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.accessibility)            This abstract class is the superclass of all classes representing an input stream of bytes. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.activation](http://docs.google.com/javax/activation/package-summary.html) | |
| --- | --- |
| [**Externalizable**](http://docs.google.com/java/io/class-use/Externalizable.html#javax.activation)            Only the identity of the class of an Externalizable instance is written in the serialization stream and it is the responsibility of the class to save and restore the contents of its instances. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.activation)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.activation)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.activation)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInput**](http://docs.google.com/java/io/class-use/ObjectInput.html#javax.activation)            ObjectInput extends the DataInput interface to include the reading of objects. |
| [**ObjectOutput**](http://docs.google.com/java/io/class-use/ObjectOutput.html#javax.activation)            ObjectOutput extends the DataOutput interface to include writing of objects. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.activation)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.activation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.activity](http://docs.google.com/javax/activity/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.activity)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.activity)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.annotation](http://docs.google.com/javax/annotation/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.annotation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.annotation.processing)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.annotation.processing)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.crypto)            A Closeable is a source or destination of data that can be closed. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#javax.crypto)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**FilterOutputStream**](http://docs.google.com/java/io/class-use/FilterOutputStream.html#javax.crypto)            This class is the superclass of all classes that filter output streams. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#javax.crypto)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.crypto)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.crypto)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.crypto)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.crypto)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.crypto.interfaces](http://docs.google.com/javax/crypto/interfaces/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.crypto.interfaces)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.crypto.spec)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.imageio)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.imageio)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.imageio)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.imageio)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.imageio)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.imageio.metadata](http://docs.google.com/javax/imageio/metadata/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.imageio.metadata)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.imageio.metadata)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.imageio.spi)            An abstract representation of file and directory pathnames. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.imageio.spi)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.imageio.stream](http://docs.google.com/javax/imageio/stream/package-summary.html) | |
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| [**DataInput**](http://docs.google.com/java/io/class-use/DataInput.html#javax.imageio.stream)            The DataInput interface provides for reading bytes from a binary stream and reconstructing from them data in any of the Java primitive types. |
| [**DataOutput**](http://docs.google.com/java/io/class-use/DataOutput.html#javax.imageio.stream)            The DataOutput interface provides for converting data from any of the Java primitive types to a series of bytes and writing these bytes to a binary stream. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.imageio.stream)            An abstract representation of file and directory pathnames. |
| [**FileNotFoundException**](http://docs.google.com/java/io/class-use/FileNotFoundException.html#javax.imageio.stream)            Signals that an attempt to open the file denoted by a specified pathname has failed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.imageio.stream)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.imageio.stream)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.imageio.stream)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**RandomAccessFile**](http://docs.google.com/java/io/class-use/RandomAccessFile.html#javax.imageio.stream)            Instances of this class support both reading and writing to a random access file. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.jws](http://docs.google.com/javax/jws/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.jws)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.jws.soap](http://docs.google.com/javax/jws/soap/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.jws.soap)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.lang.model](http://docs.google.com/javax/lang/model/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.lang.model)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.lang.model.element)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.lang.model.type](http://docs.google.com/javax/lang/model/type/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.lang.model.type)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) | |
| --- | --- |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.lang.model.util)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.management)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInputStream**](http://docs.google.com/java/io/class-use/ObjectInputStream.html#javax.management)            An ObjectInputStream deserializes primitive data and objects previously written using an ObjectOutputStream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.loading](http://docs.google.com/javax/management/loading/package-summary.html) | |
| --- | --- |
| [**Externalizable**](http://docs.google.com/java/io/class-use/Externalizable.html#javax.management.loading)            Only the identity of the class of an Externalizable instance is written in the serialization stream and it is the responsibility of the class to save and restore the contents of its instances. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.management.loading)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.management.loading)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInput**](http://docs.google.com/java/io/class-use/ObjectInput.html#javax.management.loading)            ObjectInput extends the DataInput interface to include the reading of objects. |
| [**ObjectOutput**](http://docs.google.com/java/io/class-use/ObjectOutput.html#javax.management.loading)            ObjectOutput extends the DataOutput interface to include writing of objects. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.loading)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.modelmbean](http://docs.google.com/javax/management/modelmbean/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.modelmbean)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.monitor)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) | |
| --- | --- |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#javax.management.openmbean)            Superclass of all exceptions specific to Object Stream classes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.openmbean)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.relation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.remote](http://docs.google.com/javax/management/remote/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.management.remote)            A Closeable is a source or destination of data that can be closed. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.management.remote)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.remote)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.management.remote.rmi)            A Closeable is a source or destination of data that can be closed. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.management.remote.rmi)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.remote.rmi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.management.timer](http://docs.google.com/javax/management/timer/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.management.timer)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.naming](http://docs.google.com/javax/naming/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.naming)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.naming.directory](http://docs.google.com/javax/naming/directory/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.naming.directory)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.naming.event](http://docs.google.com/javax/naming/event/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.naming.event)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.naming.ldap](http://docs.google.com/javax/naming/ldap/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.naming.ldap)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.naming.ldap)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.naming.spi](http://docs.google.com/javax/naming/spi/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.naming.spi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.net](http://docs.google.com/javax/net/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.net)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.net.ssl)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.net.ssl)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.print](http://docs.google.com/javax/print/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.print)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.print)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.print)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.print)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.print)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.print.attribute](http://docs.google.com/javax/print/attribute/package-summary.html) | |
| --- | --- |
| [**ObjectStreamException**](http://docs.google.com/java/io/class-use/ObjectStreamException.html#javax.print.attribute)            Superclass of all exceptions specific to Object Stream classes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.print.attribute)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.print.attribute.standard](http://docs.google.com/javax/print/attribute/standard/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.print.attribute.standard)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.print.event](http://docs.google.com/javax/print/event/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.print.event)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.rmi.CORBA)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInputStream**](http://docs.google.com/java/io/class-use/ObjectInputStream.html#javax.rmi.CORBA)            An ObjectInputStream deserializes primitive data and objects previously written using an ObjectOutputStream. |
| [**ObjectOutputStream**](http://docs.google.com/java/io/class-use/ObjectOutputStream.html#javax.rmi.CORBA)            An ObjectOutputStream writes primitive data types and graphs of Java objects to an OutputStream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.rmi.CORBA)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.rmi.ssl](http://docs.google.com/javax/rmi/ssl/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.rmi.ssl)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.rmi.ssl)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
| --- | --- |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.script)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.script)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.script)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.auth)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.auth.callback](http://docs.google.com/javax/security/auth/callback/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.security.auth.callback)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.auth.callback)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.auth.kerberos](http://docs.google.com/javax/security/auth/kerberos/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.auth.kerberos)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.auth.login](http://docs.google.com/javax/security/auth/login/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.auth.login)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.security.auth.x500)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.auth.x500)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.cert](http://docs.google.com/javax/security/cert/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.security.cert)            This abstract class is the superclass of all classes representing an input stream of bytes. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.security.sasl](http://docs.google.com/javax/security/sasl/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.security.sasl)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.security.sasl)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.sound.midi)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sound.midi)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.sound.midi)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sound.midi)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sound.midi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sound.midi.spi](http://docs.google.com/javax/sound/midi/spi/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.sound.midi.spi)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sound.midi.spi)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.sound.midi.spi)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sound.midi.spi)            This abstract class is the superclass of all classes representing an output stream of bytes. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.sound.sampled)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.sound.sampled)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sound.sampled)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.sound.sampled)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sound.sampled)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sound.sampled)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.sound.sampled.spi)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sound.sampled.spi)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.sound.sampled.spi)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sound.sampled.spi)            This abstract class is the superclass of all classes representing an output stream of bytes. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sql](http://docs.google.com/javax/sql/package-summary.html) | |
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| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sql)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.sql)            Prints formatted representations of objects to a text-output stream. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.sql)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sql)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
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| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sql.rowset)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.sql.rowset)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sql.rowset)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.sql.rowset)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sql.rowset)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.sql.rowset)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
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| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.sql.rowset.serial)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.sql.rowset.serial)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.sql.rowset.serial)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sql.rowset.serial)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.sql.rowset.serial)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.sql.rowset.spi](http://docs.google.com/javax/sql/rowset/spi/package-summary.html) | |
| --- | --- |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.sql.rowset.spi)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.sql.rowset.spi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.sql.rowset.spi)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.swing)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing)            An abstract representation of file and directory pathnames. |
| [**FilterInputStream**](http://docs.google.com/java/io/class-use/FilterInputStream.html#javax.swing)            A FilterInputStream contains some other input stream, which it uses as its basic source of data, possibly transforming the data along the way or providing additional functionality. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.swing)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing)            Signals that an I/O exception of some sort has occurred. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.swing)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.border)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.colorchooser)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.event)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.filechooser](http://docs.google.com/javax/swing/filechooser/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing.filechooser)            An abstract representation of file and directory pathnames. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.filechooser)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing.plaf)            An abstract representation of file and directory pathnames. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.plaf)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing.plaf.basic)            An abstract representation of file and directory pathnames. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.plaf.basic)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing.plaf.metal)            An abstract representation of file and directory pathnames. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.plaf.metal)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.swing.plaf.multi)            An abstract representation of file and directory pathnames. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.swing.plaf.synth)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.plaf.synth)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.plaf.synth)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.table)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.swing.text)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.text)            Signals that an I/O exception of some sort has occurred. |
| [**ObjectInputStream**](http://docs.google.com/java/io/class-use/ObjectInputStream.html#javax.swing.text)            An ObjectInputStream deserializes primitive data and objects previously written using an ObjectOutputStream. |
| [**ObjectOutputStream**](http://docs.google.com/java/io/class-use/ObjectOutputStream.html#javax.swing.text)            An ObjectOutputStream writes primitive data types and graphs of Java objects to an OutputStream. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.swing.text)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.swing.text)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.swing.text)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.text)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.swing.text)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.text.html)            Signals that an I/O exception of some sort has occurred. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.swing.text.html)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.text.html)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.swing.text.html)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) | |
| --- | --- |
| [**DataInputStream**](http://docs.google.com/java/io/class-use/DataInputStream.html#javax.swing.text.html.parser)            A data input stream lets an application read primitive Java data types from an underlying input stream in a machine-independent way. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.text.html.parser)            Signals that an I/O exception of some sort has occurred. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.swing.text.html.parser)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.text.html.parser)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.text.rtf](http://docs.google.com/javax/swing/text/rtf/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.swing.text.rtf)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.swing.text.rtf)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.swing.text.rtf)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.swing.text.rtf)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.text.rtf)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.swing.text.rtf)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.tree)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.swing.undo)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
| --- | --- |
| [**Closeable**](http://docs.google.com/java/io/class-use/Closeable.html#javax.tools)            A Closeable is a source or destination of data that can be closed. |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.tools)            An abstract representation of file and directory pathnames. |
| [**Flushable**](http://docs.google.com/java/io/class-use/Flushable.html#javax.tools)            A Flushable is a destination of data that can be flushed. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.tools)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.tools)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.tools)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.tools)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.tools)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.tools)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.transaction](http://docs.google.com/javax/transaction/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.transaction)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.transaction)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.transaction.xa](http://docs.google.com/javax/transaction/xa/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.transaction.xa)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.xml.bind)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.bind)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.xml.bind)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.bind)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.xml.bind)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.xml.bind)            Prints formatted representations of objects to a text-output stream. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.xml.bind)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.bind)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.xml.bind)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.bind.annotation](http://docs.google.com/javax/xml/bind/annotation/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.bind.annotation)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.xml.bind.helpers)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.bind.helpers)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.bind.helpers)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.xml.bind.helpers)            Abstract class for reading character streams. |
| [**UnsupportedEncodingException**](http://docs.google.com/java/io/class-use/UnsupportedEncodingException.html#javax.xml.bind.helpers)            The Character Encoding is not supported. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.xml.bind.helpers)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.crypto)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.xml.crypto)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.xml.crypto)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.crypto)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.crypto.dsig)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.crypto.dsig)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.xml.crypto.dsig)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.xml.crypto.dsig)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.crypto.dsig)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.datatype](http://docs.google.com/javax/xml/datatype/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.datatype)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.namespace](http://docs.google.com/javax/xml/namespace/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.namespace)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.parsers](http://docs.google.com/javax/xml/parsers/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.xml.parsers)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.parsers)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.xml.parsers)            Signals that an I/O exception of some sort has occurred. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.parsers)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.soap)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.xml.soap)            Signals that an I/O exception of some sort has occurred. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.soap)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.soap)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.stream)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.stream)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.xml.stream)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.stream)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.xml.stream)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.stream.events](http://docs.google.com/javax/xml/stream/events/package-summary.html) | |
| --- | --- |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.xml.stream.events)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) | |
| --- | --- |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.xml.transform)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.xml.transform)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.transform)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.xml.transform.stream)            An abstract representation of file and directory pathnames. |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#javax.xml.transform.stream)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#javax.xml.transform.stream)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#javax.xml.transform.stream)            Abstract class for reading character streams. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#javax.xml.transform.stream)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.validation](http://docs.google.com/javax/xml/validation/package-summary.html) | |
| --- | --- |
| [**File**](http://docs.google.com/java/io/class-use/File.html#javax.xml.validation)            An abstract representation of file and directory pathnames. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#javax.xml.validation)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.ws)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.ws.handler](http://docs.google.com/javax/xml/ws/handler/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.ws.handler)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.ws.http](http://docs.google.com/javax/xml/ws/http/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.ws.http)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.ws.soap](http://docs.google.com/javax/xml/ws/soap/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.ws.soap)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) | |
| --- | --- |
| [**PrintStream**](http://docs.google.com/java/io/class-use/PrintStream.html#javax.xml.xpath)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |
| [**PrintWriter**](http://docs.google.com/java/io/class-use/PrintWriter.html#javax.xml.xpath)            Prints formatted representations of objects to a text-output stream. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#javax.xml.xpath)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#org.ietf.jgss)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#org.ietf.jgss)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.ietf.jgss)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA.DynAnyPackage](http://docs.google.com/org/omg/CORBA/DynAnyPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA.DynAnyPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA.ORBPackage](http://docs.google.com/org/omg/CORBA/ORBPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA.ORBPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA.TypeCodePackage](http://docs.google.com/org/omg/CORBA/TypeCodePackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA.TypeCodePackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#org.omg.CORBA.portable)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#org.omg.CORBA.portable)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA.portable)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CORBA\_2\_3.portable](http://docs.google.com/org/omg/CORBA_2_3/portable/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CORBA_2_3.portable)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CosNaming](http://docs.google.com/org/omg/CosNaming/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CosNaming)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CosNaming.NamingContextExtPackage](http://docs.google.com/org/omg/CosNaming/NamingContextExtPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CosNaming.NamingContextExtPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.CosNaming.NamingContextPackage](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.CosNaming.NamingContextPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.Dynamic](http://docs.google.com/org/omg/Dynamic/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.Dynamic)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.DynamicAny](http://docs.google.com/org/omg/DynamicAny/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.DynamicAny)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.IOP](http://docs.google.com/org/omg/IOP/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.IOP)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.IOP.CodecFactoryPackage](http://docs.google.com/org/omg/IOP/CodecFactoryPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.IOP.CodecFactoryPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.IOP.CodecPackage](http://docs.google.com/org/omg/IOP/CodecPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.IOP.CodecPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableInterceptor](http://docs.google.com/org/omg/PortableInterceptor/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableInterceptor)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableInterceptor.ORBInitInfoPackage](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableInterceptor.ORBInitInfoPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableServer](http://docs.google.com/org/omg/PortableServer/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableServer)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableServer.CurrentPackage](http://docs.google.com/org/omg/PortableServer/CurrentPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableServer.CurrentPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableServer.POAManagerPackage](http://docs.google.com/org/omg/PortableServer/POAManagerPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableServer.POAManagerPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.PortableServer.POAPackage](http://docs.google.com/org/omg/PortableServer/POAPackage/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.PortableServer.POAPackage)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.SendingContext](http://docs.google.com/org/omg/SendingContext/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.SendingContext)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.omg.stub.java.rmi](http://docs.google.com/org/omg/stub/java/rmi/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.omg.stub.java.rmi)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.w3c.dom](http://docs.google.com/org/w3c/dom/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.w3c.dom)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.w3c.dom.events](http://docs.google.com/org/w3c/dom/events/package-summary.html) | |
| --- | --- |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.w3c.dom.events)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#org.w3c.dom.ls)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**OutputStream**](http://docs.google.com/java/io/class-use/OutputStream.html#org.w3c.dom.ls)            This abstract class is the superclass of all classes representing an output stream of bytes. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#org.w3c.dom.ls)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.w3c.dom.ls)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |
| [**Writer**](http://docs.google.com/java/io/class-use/Writer.html#org.w3c.dom.ls)            Abstract class for writing to character streams. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) | |
| --- | --- |
| [**InputStream**](http://docs.google.com/java/io/class-use/InputStream.html#org.xml.sax)            This abstract class is the superclass of all classes representing an input stream of bytes. |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#org.xml.sax)            Signals that an I/O exception of some sort has occurred. |
| [**Reader**](http://docs.google.com/java/io/class-use/Reader.html#org.xml.sax)            Abstract class for reading character streams. |
| [**Serializable**](http://docs.google.com/java/io/class-use/Serializable.html#org.xml.sax)            Serializability of a class is enabled by the class implementing the java.io.Serializable interface. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.xml.sax.ext](http://docs.google.com/org/xml/sax/ext/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#org.xml.sax.ext)            Signals that an I/O exception of some sort has occurred. |

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) used by [org.xml.sax.helpers](http://docs.google.com/org/xml/sax/helpers/package-summary.html) | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/class-use/IOException.html#org.xml.sax.helpers)            Signals that an I/O exception of some sort has occurred. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **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/io/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.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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