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

**Uses of Class**

**java.io.OutputStream**

| Packages that use [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**java.awt.color**](#3znysh7) | Provides classes for color spaces. |
| [**java.beans**](#2et92p0) | Contains classes related to developing *beans* -- components based on the JavaBeansTM architecture. |
| [**java.io**](#tyjcwt) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#3dy6vkm) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.net**](#1t3h5sf) | Provides the classes for implementing networking applications. |
| [**java.nio.channels**](#4d34og8) | 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.rmi.server**](#2s8eyo1) | Provides classes and interfaces for supporting the server side of RMI. |
| [**java.security**](#17dp8vu) | Provides the classes and interfaces for the security framework. |
| [**java.sql**](#3rdcrjn) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.util**](#26in1rg) | 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.jar**](#lnxbz9) | 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**](#35nkun2) | Provides the classes and interfaces of the JavaTM 2 platform's core logging facilities. |
| [**java.util.prefs**](#1ksv4uv) | This package allows applications to store and retrieve user and system preference and configuration data. |
| [**java.util.zip**](#44sinio) | Provides classes for reading and writing the standard ZIP and GZIP file formats. |
| [**javax.activation**](#2jxsxqh) |  |
| [**javax.crypto**](#z337ya) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.imageio**](#3j2qqm3) | The main package of the Java Image I/O API. |
| [**javax.imageio.stream**](#1y810tw) | A package of the Java Image I/O API dealing with low-level I/O from files and streams. |
| [**javax.print**](#4i7ojhp) | Provides the principal classes and interfaces for the JavaTM Print Service API. |
| [**javax.sound.midi**](#2xcytpi) | Provides interfaces and classes for I/O, sequencing, and synthesis of MIDI (Musical Instrument Digital Interface) data. |
| [**javax.sound.midi.spi**](#1ci93xb) | Supplies interfaces for service providers to implement when offering new MIDI devices, MIDI file readers and writers, or sound bank readers. |
| [**javax.sound.sampled**](#3whwml4) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sound.sampled.spi**](#2bn6wsx) | Supplies abstract classes for service providers to subclass when offering new audio devices, sound file readers and writers, or audio format converters. |
| [**javax.sql.rowset**](#qsh70q) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#3as4poj) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.swing.text**](#1pxezwc) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.rtf**](#49x2ik5) | Provides a class (RTFEditorKit) for creating Rich-Text-Format text editors. |
| [**javax.tools**](#2p2csry) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |
| [**javax.xml.bind**](#147n2zr) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.bind.helpers**](#3o7alnk) | **JAXB Provider Use Only:** Provides partial default implementations for some of the javax.xml.bind interfaces. |
| [**javax.xml.crypto.dsig**](#23ckvvd) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.soap**](#ihv636) | Provides the API for creating and building SOAP messages. |
| [**javax.xml.stream**](#32hioqz) |  |
| [**javax.xml.transform.stream**](#1hmsyys) | This package implements stream- and URI- specific transformation APIs. |
| [**org.ietf.jgss**](#41mghml) | 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.portable**](#2grqrue) | 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.w3c.dom.ls**](#vx1227) |  |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.awt.color](http://docs.google.com/java/awt/color/package-summary.html) | |
| --- | --- |

| Methods in [java.awt.color](http://docs.google.com/java/awt/color/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **ICC\_Profile.**[**write**](http://docs.google.com/java/awt/color/ICC_Profile.html#write(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) s)            Write this ICC\_Profile to an OutputStream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
| --- | --- |

| Constructors in [java.beans](http://docs.google.com/java/beans/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**XMLEncoder**](http://docs.google.com/java/beans/XMLEncoder.html#XMLEncoder(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new output stream for sending *JavaBeans* to the stream out using an XML encoding. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |
| class | [**BufferedOutputStream**](http://docs.google.com/java/io/BufferedOutputStream.html)            The class implements a buffered output stream. |
| class | [**ByteArrayOutputStream**](http://docs.google.com/java/io/ByteArrayOutputStream.html)            This class implements an output stream in which the data is written into a byte array. |
| class | [**DataOutputStream**](http://docs.google.com/java/io/DataOutputStream.html)            A data output stream lets an application write primitive Java data types to an output stream in a portable way. |
| class | [**FileOutputStream**](http://docs.google.com/java/io/FileOutputStream.html)            A file output stream is an output stream for writing data to a File or to a FileDescriptor. |
| class | [**FilterOutputStream**](http://docs.google.com/java/io/FilterOutputStream.html)            This class is the superclass of all classes that filter output streams. |
| class | [**ObjectOutputStream**](http://docs.google.com/java/io/ObjectOutputStream.html)            An ObjectOutputStream writes primitive data types and graphs of Java objects to an OutputStream. |
| class | [**PipedOutputStream**](http://docs.google.com/java/io/PipedOutputStream.html)            A piped output stream can be connected to a piped input stream to create a communications pipe. |
| class | [**PrintStream**](http://docs.google.com/java/io/PrintStream.html)            A PrintStream adds functionality to another output stream, namely the ability to print representations of various data values conveniently. |

| Fields in [java.io](http://docs.google.com/java/io/package-summary.html) declared as [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| protected  [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **FilterOutputStream.**[**out**](http://docs.google.com/java/io/FilterOutputStream.html#out)            The underlying output stream to be filtered. |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **ByteArrayOutputStream.**[**writeTo**](http://docs.google.com/java/io/ByteArrayOutputStream.html#writeTo(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes the complete contents of this byte array output stream to the specified output stream argument, as if by calling the output stream's write method using out.write(buf, 0, count). |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**BufferedOutputStream**](http://docs.google.com/java/io/BufferedOutputStream.html#BufferedOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new buffered output stream to write data to the specified underlying output stream. |
| [**BufferedOutputStream**](http://docs.google.com/java/io/BufferedOutputStream.html#BufferedOutputStream(java.io.OutputStream,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, int size)            Creates a new buffered output stream to write data to the specified underlying output stream with the specified buffer size. |
| [**DataOutputStream**](http://docs.google.com/java/io/DataOutputStream.html#DataOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new data output stream to write data to the specified underlying output stream. |
| [**FilterOutputStream**](http://docs.google.com/java/io/FilterOutputStream.html#FilterOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates an output stream filter built on top of the specified underlying output stream. |
| [**ObjectOutputStream**](http://docs.google.com/java/io/ObjectOutputStream.html#ObjectOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates an ObjectOutputStream that writes to the specified OutputStream. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html#OutputStreamWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates an OutputStreamWriter that uses the default character encoding. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html#OutputStreamWriter(java.io.OutputStream,%20java.nio.charset.Charset))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Charset](http://docs.google.com/java/nio/charset/Charset.html) cs)            Creates an OutputStreamWriter that uses the given charset. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html#OutputStreamWriter(java.io.OutputStream,%20java.nio.charset.CharsetEncoder))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [CharsetEncoder](http://docs.google.com/java/nio/charset/CharsetEncoder.html) enc)            Creates an OutputStreamWriter that uses the given charset encoder. |
| [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html#OutputStreamWriter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [String](http://docs.google.com/java/lang/String.html) charsetName)            Creates an OutputStreamWriter that uses the named charset. |
| [**PrintStream**](http://docs.google.com/java/io/PrintStream.html#PrintStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new print stream. |
| [**PrintStream**](http://docs.google.com/java/io/PrintStream.html#PrintStream(java.io.OutputStream,%20boolean))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, boolean autoFlush)            Creates a new print stream. |
| [**PrintStream**](http://docs.google.com/java/io/PrintStream.html#PrintStream(java.io.OutputStream,%20boolean,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, boolean autoFlush, [String](http://docs.google.com/java/lang/String.html) encoding)            Creates a new print stream. |
| [**PrintWriter**](http://docs.google.com/java/io/PrintWriter.html#PrintWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new PrintWriter, without automatic line flushing, from an existing OutputStream. |
| [**PrintWriter**](http://docs.google.com/java/io/PrintWriter.html#PrintWriter(java.io.OutputStream,%20boolean))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, boolean autoFlush)            Creates a new PrintWriter from an existing OutputStream. |

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

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Runtime.**[**getLocalizedOutputStream**](http://docs.google.com/java/lang/Runtime.html#getLocalizedOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)  **Deprecated.** *As of JDK 1.1, the preferred way to translate a Unicode character stream into a byte stream in the local encoding is via the OutputStreamWriter, BufferedWriter, and PrintWriter classes.* |
| abstract  [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Process.**[**getOutputStream**](http://docs.google.com/java/lang/Process.html#getOutputStream())()            Gets the output stream of the subprocess. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Runtime.**[**getLocalizedOutputStream**](http://docs.google.com/java/lang/Runtime.html#getLocalizedOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)  **Deprecated.** *As of JDK 1.1, the preferred way to translate a Unicode character stream into a byte stream in the local encoding is via the OutputStreamWriter, BufferedWriter, and PrintWriter classes.* |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
| --- | --- |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **CacheRequest.**[**getBody**](http://docs.google.com/java/net/CacheRequest.html#getBody())()            Returns an OutputStream to which the response body can be written. |
| protected abstract  [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SocketImpl.**[**getOutputStream**](http://docs.google.com/java/net/SocketImpl.html#getOutputStream())()            Returns an output stream for this socket. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Socket.**[**getOutputStream**](http://docs.google.com/java/net/Socket.html#getOutputStream())()            Returns an output stream for this socket. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **URLConnection.**[**getOutputStream**](http://docs.google.com/java/net/URLConnection.html#getOutputStream())()            Returns an output stream that writes to this connection. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Channels.**[**newOutputStream**](http://docs.google.com/java/nio/channels/Channels.html#newOutputStream(java.nio.channels.WritableByteChannel))([WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html) ch)            Constructs a stream that writes bytes to the given channel. |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static [WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html) | **Channels.**[**newChannel**](http://docs.google.com/java/nio/channels/Channels.html#newChannel(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Constructs a channel that writes bytes to the given stream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
| --- | --- |
| class | [**LogStream**](http://docs.google.com/java/rmi/server/LogStream.html)  **Deprecated.** *no replacement* |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **LogStream.**[**getOutputStream**](http://docs.google.com/java/rmi/server/LogStream.html#getOutputStream())()  **Deprecated.** *no replacement* |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static void | **RemoteServer.**[**setLog**](http://docs.google.com/java/rmi/server/RemoteServer.html#setLog(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Log RMI calls to the output stream out. |
| void | **LogStream.**[**setOutputStream**](http://docs.google.com/java/rmi/server/LogStream.html#setOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)  **Deprecated.** *no replacement* |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |
| class | [**DigestOutputStream**](http://docs.google.com/java/security/DigestOutputStream.html)            A transparent stream that updates the associated message digest using the bits going through the stream. |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **Certificate.**[**encode**](http://docs.google.com/java/security/Certificate.html#encode(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)  **Deprecated.** Encodes the certificate to an output stream in a format that can be decoded by the decode method. |
| abstract  void | **KeyStoreSpi.**[**engineStore**](http://docs.google.com/java/security/KeyStoreSpi.html#engineStore(java.io.OutputStream,%20char%5B%5D))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, char[] password)            Stores this keystore to the given output stream, and protects its integrity with the given password. |
| void | **KeyStore.**[**store**](http://docs.google.com/java/security/KeyStore.html#store(java.io.OutputStream,%20char%5B%5D))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, char[] password)            Stores this keystore to the given output stream, and protects its integrity with the given password. |

| Constructors in [java.security](http://docs.google.com/java/security/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**DigestOutputStream**](http://docs.google.com/java/security/DigestOutputStream.html#DigestOutputStream(java.io.OutputStream,%20java.security.MessageDigest))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [MessageDigest](http://docs.google.com/java/security/MessageDigest.html) digest)            Creates a digest output stream, using the specified output stream and message digest. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
| --- | --- |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Clob.**[**setAsciiStream**](http://docs.google.com/java/sql/Clob.html#setAsciiStream(long))(long pos)            Retrieves a stream to be used to write Ascii characters to the CLOB value that this Clob object represents, starting at position pos. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SQLXML.**[**setBinaryStream**](http://docs.google.com/java/sql/SQLXML.html#setBinaryStream())()            Retrieves a stream that can be used to write the XML value that this SQLXML instance represents. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Blob.**[**setBinaryStream**](http://docs.google.com/java/sql/Blob.html#setBinaryStream(long))(long pos)            Retrieves a stream that can be used to write to the BLOB value that this Blob object represents. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **Properties.**[**save**](http://docs.google.com/java/util/Properties.html#save(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [String](http://docs.google.com/java/lang/String.html) comments)  **Deprecated.** *This method does not throw an IOException if an I/O error occurs while saving the property list. The preferred way to save a properties list is via the store(OutputStream out, String comments) method or the storeToXML(OutputStream os, String comment) method.* |
| void | **Properties.**[**store**](http://docs.google.com/java/util/Properties.html#store(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [String](http://docs.google.com/java/lang/String.html) comments)            Writes this property list (key and element pairs) in this Properties table to the output stream in a format suitable for loading into a Properties table using the [load(InputStream)](http://docs.google.com/java/util/Properties.html#load(java.io.InputStream)) method. |
| void | **Properties.**[**storeToXML**](http://docs.google.com/java/util/Properties.html#storeToXML(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [String](http://docs.google.com/java/lang/String.html) comment)            Emits an XML document representing all of the properties contained in this table. |
| void | **Properties.**[**storeToXML**](http://docs.google.com/java/util/Properties.html#storeToXML(java.io.OutputStream,%20java.lang.String,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [String](http://docs.google.com/java/lang/String.html) comment, [String](http://docs.google.com/java/lang/String.html) encoding)            Emits an XML document representing all of the properties contained in this table, using the specified encoding. |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**Formatter**](http://docs.google.com/java/util/Formatter.html#Formatter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Constructs a new formatter with the specified output stream. |
| [**Formatter**](http://docs.google.com/java/util/Formatter.html#Formatter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [String](http://docs.google.com/java/lang/String.html) csn)            Constructs a new formatter with the specified output stream and charset. |
| [**Formatter**](http://docs.google.com/java/util/Formatter.html#Formatter(java.io.OutputStream,%20java.lang.String,%20java.util.Locale))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [String](http://docs.google.com/java/lang/String.html) csn, [Locale](http://docs.google.com/java/util/Locale.html) l)            Constructs a new formatter with the specified output stream, charset, and locale. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
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| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) | |
| --- | --- |
| class | [**JarOutputStream**](http://docs.google.com/java/util/jar/JarOutputStream.html)            The JarOutputStream class is used to write the contents of a JAR file to any output stream. |

| Methods in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **Pack200.Packer.**[**pack**](http://docs.google.com/java/util/jar/Pack200.Packer.html#pack(java.util.jar.JarFile,%20java.io.OutputStream))([JarFile](http://docs.google.com/java/util/jar/JarFile.html) in, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Takes a JarFile and converts it into a Pack200 archive. |
| void | **Pack200.Packer.**[**pack**](http://docs.google.com/java/util/jar/Pack200.Packer.html#pack(java.util.jar.JarInputStream,%20java.io.OutputStream))([JarInputStream](http://docs.google.com/java/util/jar/JarInputStream.html) in, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Takes a JarInputStream and converts it into a Pack200 archive. |
| void | **Manifest.**[**write**](http://docs.google.com/java/util/jar/Manifest.html#write(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes the Manifest to the specified OutputStream. |

| Constructors in [java.util.jar](http://docs.google.com/java/util/jar/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**JarOutputStream**](http://docs.google.com/java/util/jar/JarOutputStream.html#JarOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new JarOutputStream with no manifest. |
| [**JarOutputStream**](http://docs.google.com/java/util/jar/JarOutputStream.html#JarOutputStream(java.io.OutputStream,%20java.util.jar.Manifest))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Manifest](http://docs.google.com/java/util/jar/Manifest.html) man)            Creates a new JarOutputStream with the specified Manifest. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) | |
| --- | --- |

| Methods in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| protected  void | **StreamHandler.**[**setOutputStream**](http://docs.google.com/java/util/logging/StreamHandler.html#setOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Change the output stream. |

| Constructors in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**StreamHandler**](http://docs.google.com/java/util/logging/StreamHandler.html#StreamHandler(java.io.OutputStream,%20java.util.logging.Formatter))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Formatter](http://docs.google.com/java/util/logging/Formatter.html) formatter)            Create a StreamHandler with a given Formatter and output stream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) | |
| --- | --- |

| Methods in [java.util.prefs](http://docs.google.com/java/util/prefs/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **AbstractPreferences.**[**exportNode**](http://docs.google.com/java/util/prefs/AbstractPreferences.html#exportNode(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Implements the exportNode method as per the specification in [Preferences.exportNode(OutputStream)](http://docs.google.com/java/util/prefs/Preferences.html#exportNode(java.io.OutputStream)). |
| abstract  void | **Preferences.**[**exportNode**](http://docs.google.com/java/util/prefs/Preferences.html#exportNode(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Emits on the specified output stream an XML document representing all of the preferences contained in this node (but not its descendants). |
| void | **AbstractPreferences.**[**exportSubtree**](http://docs.google.com/java/util/prefs/AbstractPreferences.html#exportSubtree(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Implements the exportSubtree method as per the specification in [Preferences.exportSubtree(OutputStream)](http://docs.google.com/java/util/prefs/Preferences.html#exportSubtree(java.io.OutputStream)). |
| abstract  void | **Preferences.**[**exportSubtree**](http://docs.google.com/java/util/prefs/Preferences.html#exportSubtree(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Emits an XML document representing all of the preferences contained in this node and all of its descendants. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) | |
| --- | --- |
| class | [**CheckedOutputStream**](http://docs.google.com/java/util/zip/CheckedOutputStream.html)            An output stream that also maintains a checksum of the data being written. |
| class | [**DeflaterOutputStream**](http://docs.google.com/java/util/zip/DeflaterOutputStream.html)            This class implements an output stream filter for compressing data in the "deflate" compression format. |
| class | [**GZIPOutputStream**](http://docs.google.com/java/util/zip/GZIPOutputStream.html)            This class implements a stream filter for writing compressed data in the GZIP file format. |
| class | [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html)            Implements an output stream filter for uncompressing data stored in the "deflate" compression format. |
| class | [**ZipOutputStream**](http://docs.google.com/java/util/zip/ZipOutputStream.html)            This class implements an output stream filter for writing files in the ZIP file format. |

| Constructors in [java.util.zip](http://docs.google.com/java/util/zip/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**CheckedOutputStream**](http://docs.google.com/java/util/zip/CheckedOutputStream.html#CheckedOutputStream(java.io.OutputStream,%20java.util.zip.Checksum))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Checksum](http://docs.google.com/java/util/zip/Checksum.html) cksum)            Creates an output stream with the specified Checksum. |
| [**DeflaterOutputStream**](http://docs.google.com/java/util/zip/DeflaterOutputStream.html#DeflaterOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new output stream with a default compressor and buffer size. |
| [**DeflaterOutputStream**](http://docs.google.com/java/util/zip/DeflaterOutputStream.html#DeflaterOutputStream(java.io.OutputStream,%20java.util.zip.Deflater))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Deflater](http://docs.google.com/java/util/zip/Deflater.html) def)            Creates a new output stream with the specified compressor and a default buffer size. |
| [**DeflaterOutputStream**](http://docs.google.com/java/util/zip/DeflaterOutputStream.html#DeflaterOutputStream(java.io.OutputStream,%20java.util.zip.Deflater,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Deflater](http://docs.google.com/java/util/zip/Deflater.html) def, int size)            Creates a new output stream with the specified compressor and buffer size. |
| [**GZIPOutputStream**](http://docs.google.com/java/util/zip/GZIPOutputStream.html#GZIPOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new output stream with a default buffer size. |
| [**GZIPOutputStream**](http://docs.google.com/java/util/zip/GZIPOutputStream.html#GZIPOutputStream(java.io.OutputStream,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, int size)            Creates a new output stream with the specified buffer size. |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new output stream with a default decompressor and buffer size. |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream,%20java.util.zip.Inflater))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl)            Creates a new output stream with the specified decompressor and a default buffer size. |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream,%20java.util.zip.Inflater,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl, int bufLen)            Creates a new output stream with the specified decompressor and buffer size. |
| [**ZipOutputStream**](http://docs.google.com/java/util/zip/ZipOutputStream.html#ZipOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new ZIP output stream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) | |
| --- | --- |

| Methods in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **URLDataSource.**[**getOutputStream**](http://docs.google.com/javax/activation/URLDataSource.html#getOutputStream())()            The getOutputStream method from the URL. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **FileDataSource.**[**getOutputStream**](http://docs.google.com/javax/activation/FileDataSource.html#getOutputStream())()            This method will return an OutputStream representing the the data and will throw an IOException if it can not do so. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **DataSource.**[**getOutputStream**](http://docs.google.com/javax/activation/DataSource.html#getOutputStream())()            This method returns an OutputStream where the data can be written and throws the appropriate exception if it can not do so. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **DataHandler.**[**getOutputStream**](http://docs.google.com/javax/activation/DataHandler.html#getOutputStream())()            Get an OutputStream for this DataHandler to allow overwriting the underlying data. |

| Methods in [javax.activation](http://docs.google.com/javax/activation/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **DataContentHandler.**[**writeTo**](http://docs.google.com/javax/activation/DataContentHandler.html#writeTo(java.lang.Object,%20java.lang.String,%20java.io.OutputStream))([Object](http://docs.google.com/java/lang/Object.html) obj, [String](http://docs.google.com/java/lang/String.html) mimeType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Convert the object to a byte stream of the specified MIME type and write it to the output stream. |
| void | **DataHandler.**[**writeTo**](http://docs.google.com/javax/activation/DataHandler.html#writeTo(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Write the data to an OutputStream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| class | [**CipherOutputStream**](http://docs.google.com/javax/crypto/CipherOutputStream.html)            A CipherOutputStream is composed of an OutputStream and a Cipher so that write() methods first process the data before writing them out to the underlying OutputStream. |

| Constructors in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**CipherOutputStream**](http://docs.google.com/javax/crypto/CipherOutputStream.html#CipherOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Constructs a CipherOutputStream from an OutputStream without specifying a Cipher. |
| [**CipherOutputStream**](http://docs.google.com/javax/crypto/CipherOutputStream.html#CipherOutputStream(java.io.OutputStream,%20javax.crypto.Cipher))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [Cipher](http://docs.google.com/javax/crypto/Cipher.html) c)            Constructs a CipherOutputStream from an OutputStream and a Cipher. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static boolean | **ImageIO.**[**write**](http://docs.google.com/javax/imageio/ImageIO.html#write(java.awt.image.RenderedImage,%20java.lang.String,%20java.io.OutputStream))([RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) im, [String](http://docs.google.com/java/lang/String.html) formatName, [OutputStream](http://docs.google.com/java/io/OutputStream.html) output)            Writes an image using an arbitrary ImageWriter that supports the given format to an OutputStream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.imageio.stream](http://docs.google.com/javax/imageio/stream/package-summary.html) | |
| --- | --- |

| Constructors in [javax.imageio.stream](http://docs.google.com/javax/imageio/stream/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**FileCacheImageOutputStream**](http://docs.google.com/javax/imageio/stream/FileCacheImageOutputStream.html#FileCacheImageOutputStream(java.io.OutputStream,%20java.io.File))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [File](http://docs.google.com/java/io/File.html) cacheDir)            Constructs a FileCacheImageOutputStream that will write to a given outputStream. |
| [**MemoryCacheImageOutputStream**](http://docs.google.com/javax/imageio/stream/MemoryCacheImageOutputStream.html#MemoryCacheImageOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)            Constructs a MemoryCacheImageOutputStream that will write to a given OutputStream. |

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

| Methods in [javax.print](http://docs.google.com/javax/print/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **StreamPrintService.**[**getOutputStream**](http://docs.google.com/javax/print/StreamPrintService.html#getOutputStream())()            Gets the output stream. |

| Methods in [javax.print](http://docs.google.com/javax/print/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  [StreamPrintService](http://docs.google.com/javax/print/StreamPrintService.html) | **StreamPrintServiceFactory.**[**getPrintService**](http://docs.google.com/javax/print/StreamPrintServiceFactory.html#getPrintService(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Returns a StreamPrintService that can print to the specified output stream. |

| Constructors in [javax.print](http://docs.google.com/javax/print/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**StreamPrintService**](http://docs.google.com/javax/print/StreamPrintService.html#StreamPrintService(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Constructs a StreamPrintService object. |

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

| Methods in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static int | **MidiSystem.**[**write**](http://docs.google.com/javax/sound/midi/MidiSystem.html#write(javax.sound.midi.Sequence,%20int,%20java.io.OutputStream))([Sequence](http://docs.google.com/javax/sound/midi/Sequence.html) in, int fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing a file of the MIDI file type indicated to the output stream provided. |

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

| Methods in [javax.sound.midi.spi](http://docs.google.com/javax/sound/midi/spi/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  int | **MidiFileWriter.**[**write**](http://docs.google.com/javax/sound/midi/spi/MidiFileWriter.html#write(javax.sound.midi.Sequence,%20int,%20java.io.OutputStream))([Sequence](http://docs.google.com/javax/sound/midi/Sequence.html) in, int fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing a MIDI file of the file type indicated to the output stream provided. |

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

| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| static int | **AudioSystem.**[**write**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.OutputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing an audio file of the specified file type to the output stream provided. |

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

| Methods in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  int | **AudioFileWriter.**[**write**](http://docs.google.com/javax/sound/sampled/spi/AudioFileWriter.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.OutputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing an audio file of the file type indicated to the output stream provided. |

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

| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **WebRowSet.**[**writeXml**](http://docs.google.com/javax/sql/rowset/WebRowSet.html#writeXml(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) oStream)            Writes the data, properties, and metadata for this WebRowSet object to the given OutputStream object in XML format. |
| void | **WebRowSet.**[**writeXml**](http://docs.google.com/javax/sql/rowset/WebRowSet.html#writeXml(java.sql.ResultSet,%20java.io.OutputStream))([ResultSet](http://docs.google.com/java/sql/ResultSet.html) rs, [OutputStream](http://docs.google.com/java/io/OutputStream.html) oStream)            Populates this WebRowSet object with the contents of the given ResultSet object and writes its data, properties, and metadata to the given OutputStream object in XML format. |

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

| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SerialClob.**[**setAsciiStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setAsciiStream(long))(long pos)            Retrieves a stream to be used to write Ascii characters to the CLOB value that this SerialClob object represents, starting at position pos. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SerialBlob.**[**setBinaryStream**](http://docs.google.com/javax/sql/rowset/serial/SerialBlob.html#setBinaryStream(long))(long pos)            Retrieves a stream that can be used to write to the BLOB value that this Blob object represents. |

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

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **DefaultEditorKit.**[**write**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#write(java.io.OutputStream,%20javax.swing.text.Document,%20int,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream in a format appropriate for this kind of content handler. |
| abstract  void | **EditorKit.**[**write**](http://docs.google.com/javax/swing/text/EditorKit.html#write(java.io.OutputStream,%20javax.swing.text.Document,%20int,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream in a format appropriate for this kind of content handler. |

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

| Methods in [javax.swing.text.rtf](http://docs.google.com/javax/swing/text/rtf/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **RTFEditorKit.**[**write**](http://docs.google.com/javax/swing/text/rtf/RTFEditorKit.html#write(java.io.OutputStream,%20javax.swing.text.Document,%20int,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Write content from a document to the given stream in a format appropriate for this kind of content handler. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
| --- | --- |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **SimpleJavaFileObject.**[**openOutputStream**](http://docs.google.com/javax/tools/SimpleJavaFileObject.html#openOutputStream())()            This implementation always throws [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html). |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **ForwardingFileObject.**[**openOutputStream**](http://docs.google.com/javax/tools/ForwardingFileObject.html#openOutputStream())() |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **FileObject.**[**openOutputStream**](http://docs.google.com/javax/tools/FileObject.html#openOutputStream())()            Gets an OutputStream for this file object. |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| int | **Tool.**[**run**](http://docs.google.com/javax/tools/Tool.html#run(java.io.InputStream,%20java.io.OutputStream,%20java.io.OutputStream,%20java.lang.String...))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [OutputStream](http://docs.google.com/java/io/OutputStream.html) err, [String](http://docs.google.com/java/lang/String.html)... arguments)            Run the tool with the given I/O channels and arguments. |

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

| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **Marshaller.**[**marshal**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.OutputStream))([Object](http://docs.google.com/java/lang/Object.html) jaxbElement, [OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Marshal the content tree rooted at jaxbElement into an output stream. |

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

| Methods in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **AbstractMarshallerImpl.**[**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20java.io.OutputStream))([Object](http://docs.google.com/java/lang/Object.html) obj, [OutputStream](http://docs.google.com/java/io/OutputStream.html) os) |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [Data](http://docs.google.com/javax/xml/crypto/Data.html) | **Transform.**[**transform**](http://docs.google.com/javax/xml/crypto/dsig/Transform.html#transform(javax.xml.crypto.Data,%20javax.xml.crypto.XMLCryptoContext,%20java.io.OutputStream))([Data](http://docs.google.com/javax/xml/crypto/Data.html) data, [XMLCryptoContext](http://docs.google.com/javax/xml/crypto/XMLCryptoContext.html) context, [OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Transforms the specified data using the underlying transform algorithm. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  void | **SOAPMessage.**[**writeTo**](http://docs.google.com/javax/xml/soap/SOAPMessage.html#writeTo(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes this SOAPMessage object to the given output stream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | **XMLOutputFactory.**[**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)            Create a new XMLEventWriter that writes to a stream |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | **XMLOutputFactory.**[**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLEventWriter that writes to a stream |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | **XMLOutputFactory.**[**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)            Create a new XMLStreamWriter that writes to a stream |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | **XMLOutputFactory.**[**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLStreamWriter that writes to a stream |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **StreamResult.**[**getOutputStream**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#getOutputStream())()            Get the byte stream that was set with setOutputStream. |

| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **StreamResult.**[**setOutputStream**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#setOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) outputStream)            Set the ByteStream that is to be written to. |

| Constructors in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [**StreamResult**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#StreamResult(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) outputStream)            Construct a StreamResult from a byte stream. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) | |
| --- | --- |

| Methods in [org.ietf.jgss](http://docs.google.com/org/ietf/jgss/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **GSSContext.**[**acceptSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#acceptSecContext(java.io.InputStream,%20java.io.OutputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream)            Called by the context acceptor to process a token from the peer using streams. |
| void | **GSSContext.**[**getMIC**](http://docs.google.com/org/ietf/jgss/GSSContext.html#getMIC(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Uses streams to produce a token containing a cryptographic MIC for the supplied message, for transfer to the peer application. |
| int | **GSSContext.**[**initSecContext**](http://docs.google.com/org/ietf/jgss/GSSContext.html#initSecContext(java.io.InputStream,%20java.io.OutputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream)            Called by the context initiator to start the context creation phase and process any tokens generated by the peer's acceptSecContext method using streams. |
| void | **GSSContext.**[**unwrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#unwrap(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Uses streams to process tokens generated by the wrap method on the other side of the context. |
| void | **GSSContext.**[**wrap**](http://docs.google.com/org/ietf/jgss/GSSContext.html#wrap(java.io.InputStream,%20java.io.OutputStream,%20org.ietf.jgss.MessageProp))([InputStream](http://docs.google.com/java/io/InputStream.html) inStream, [OutputStream](http://docs.google.com/java/io/OutputStream.html) outStream, [MessageProp](http://docs.google.com/org/ietf/jgss/MessageProp.html) msgProp)            Applies per-message security services over the established security context using streams. |

| Uses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
| --- | --- |

| Subclasses of [OutputStream](http://docs.google.com/java/io/OutputStream.html) in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
| --- | --- |
| class | [**OutputStream**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html)            OuputStream is the Java API for writing IDL types to CDR marshal streams. |

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

| Methods in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) that return [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **LSOutput.**[**getByteStream**](http://docs.google.com/org/w3c/dom/ls/LSOutput.html#getByteStream())()            An attribute of a language and binding dependent type that represents a writable stream of bytes. |

| Methods in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) with parameters of type [OutputStream](http://docs.google.com/java/io/OutputStream.html) | |
| --- | --- |
| void | **LSOutput.**[**setByteStream**](http://docs.google.com/org/w3c/dom/ls/LSOutput.html#setByteStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) byteStream)            An attribute of a language and binding dependent type that represents a writable stream of bytes. |

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