| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OutputStream.html) | [**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 CLASS**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/portable/OutputStream.html)    [**NO FRAMES**](http://docs.google.com/OutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **org.omg.CORBA.portable**

Class OutputStream

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.io.OutputStream](http://docs.google.com/java/io/OutputStream.html)  
 **org.omg.CORBA.portable.OutputStream**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html), [Flushable](http://docs.google.com/java/io/Flushable.html) **Direct Known Subclasses:** [OutputStream](http://docs.google.com/org/omg/CORBA_2_3/portable/OutputStream.html)

public abstract class **OutputStream**extends [OutputStream](http://docs.google.com/java/io/OutputStream.html)

OuputStream is the Java API for writing IDL types to CDR marshal streams. These methods are used by the ORB to marshal IDL types as well as to insert IDL types into Anys. The \_array versions of the methods can be directly used to write sequences and arrays of IDL types.

**Since:** JDK1.2

| **Constructor Summary** | |
| --- | --- |
| [**OutputStream**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#OutputStream())() |

| **Method Summary** | |
| --- | --- |
| abstract  [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) | [**create\_input\_stream**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#create_input_stream())()            Returns an input stream with the same buffer. |
| [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) | [**orb**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#orb())()            Returns the ORB that created this OutputStream. |
| abstract  void | [**write\_any**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_any(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)            Writes an Any on this output stream. |
| abstract  void | [**write\_boolean\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_boolean_array(boolean%5B%5D,%20int,%20int))(boolean[] value, int offset, int length)            Writes an array of booleans on this output stream. |
| abstract  void | [**write\_boolean**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_boolean(boolean))(boolean value)            Writes a boolean value to this stream. |
| abstract  void | [**write\_char\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_char_array(char%5B%5D,%20int,%20int))(char[] value, int offset, int length)            Writes an array of chars on this output stream. |
| abstract  void | [**write\_char**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_char(char))(char value)            Writes a char value to this stream. |
| void | [**write\_Context**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_Context(org.omg.CORBA.Context,%20org.omg.CORBA.ContextList))([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx, [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) contexts)            Writes a CORBA context on this stream. |
| abstract  void | [**write\_double\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_double_array(double%5B%5D,%20int,%20int))(double[] value, int offset, int length)            Writes an array of doubles on this output stream. |
| abstract  void | [**write\_double**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_double(double))(double value)            Writes a double value to this stream. |
| void | [**write\_fixed**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_fixed(java.math.BigDecimal))([BigDecimal](http://docs.google.com/java/math/BigDecimal.html) value)            Writes a BigDecimal number. |
| abstract  void | [**write\_float\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_float_array(float%5B%5D,%20int,%20int))(float[] value, int offset, int length)            Writes an array of floats on this output stream. |
| abstract  void | [**write\_float**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_float(float))(float value)            Writes a float value to this stream. |
| abstract  void | [**write\_long\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_long_array(int%5B%5D,%20int,%20int))(int[] value, int offset, int length)            Writes an array of CORBA longs (i.e. |
| abstract  void | [**write\_long**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_long(int))(int value)            Writes a CORBA long (i.e. |
| abstract  void | [**write\_longlong\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_longlong_array(long%5B%5D,%20int,%20int))(long[] value, int offset, int length)            Writes an array of CORBA longlongs (i.e. |
| abstract  void | [**write\_longlong**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_longlong(long))(long value)            Writes a CORBA longlong (i.e. |
| abstract  void | [**write\_Object**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_Object(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) value)            Writes a CORBA Object on this output stream. |
| abstract  void | [**write\_octet\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_octet_array(byte%5B%5D,%20int,%20int))(byte[] value, int offset, int length)            Writes an array of CORBA octets (bytes) on this output stream. |
| abstract  void | [**write\_octet**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_octet(byte))(byte value)            Writes a CORBA octet (i.e. |
| void | [**write\_Principal**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_Principal(org.omg.CORBA.Principal))([Principal](http://docs.google.com/org/omg/CORBA/Principal.html) value)  **Deprecated.** *Deprecated by CORBA 2.2.* |
| abstract  void | [**write\_short\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_short_array(short%5B%5D,%20int,%20int))(short[] value, int offset, int length)            Writes an array of shorts on this output stream. |
| abstract  void | [**write\_short**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_short(short))(short value)            Writes a short value to this stream. |
| abstract  void | [**write\_string**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_string(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Writes a string value to this stream. |
| abstract  void | [**write\_TypeCode**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_TypeCode(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) value)            Writes a TypeCode on this output stream. |
| abstract  void | [**write\_ulong\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ulong_array(int%5B%5D,%20int,%20int))(int[] value, int offset, int length)            Writes an array of unsigned CORBA longs (i.e. |
| abstract  void | [**write\_ulong**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ulong(int))(int value)            Writes an unsigned CORBA long (i.e. |
| abstract  void | [**write\_ulonglong\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ulonglong_array(long%5B%5D,%20int,%20int))(long[] value, int offset, int length)            Writes an array of unsigned CORBA longlongs (i.e. |
| abstract  void | [**write\_ulonglong**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ulonglong(long))(long value)            Writes an unsigned CORBA longlong (i.e. |
| abstract  void | [**write\_ushort\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ushort_array(short%5B%5D,%20int,%20int))(short[] value, int offset, int length)            Writes an array of unsigned shorts on this output stream. |
| abstract  void | [**write\_ushort**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_ushort(short))(short value)            Writes an unsigned short value to this stream. |
| abstract  void | [**write\_wchar\_array**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_wchar_array(char%5B%5D,%20int,%20int))(char[] value, int offset, int length)            Writes an array of wide chars on this output stream. |
| abstract  void | [**write\_wchar**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_wchar(char))(char value)            Writes a wide char value to this stream. |
| abstract  void | [**write\_wstring**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_wstring(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Writes a wide string value to this stream. |
| void | [**write**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write(int))(int b)            Writes an integer (length of arrays) onto this stream. |

| **Methods inherited from class java.io.**[**OutputStream**](http://docs.google.com/java/io/OutputStream.html) |
| --- |
| [close](http://docs.google.com/java/io/OutputStream.html#close()), [flush](http://docs.google.com/java/io/OutputStream.html#flush()), [write](http://docs.google.com/java/io/OutputStream.html#write(byte%5B%5D)), [write](http://docs.google.com/java/io/OutputStream.html#write(byte%5B%5D,%20int,%20int)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### OutputStream

public **OutputStream**()

| **Method Detail** |
| --- |

### create\_input\_stream

public abstract [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) **create\_input\_stream**()

Returns an input stream with the same buffer.

**Returns:**an input stream with the same buffer.

### write\_boolean

public abstract void **write\_boolean**(boolean value)

Writes a boolean value to this stream.

**Parameters:**value - the value to be written.

### write\_char

public abstract void **write\_char**(char value)

Writes a char value to this stream.

**Parameters:**value - the value to be written.

### write\_wchar

public abstract void **write\_wchar**(char value)

Writes a wide char value to this stream.

**Parameters:**value - the value to be written.

### write\_octet

public abstract void **write\_octet**(byte value)

Writes a CORBA octet (i.e. byte) value to this stream.

**Parameters:**value - the value to be written.

### write\_short

public abstract void **write\_short**(short value)

Writes a short value to this stream.

**Parameters:**value - the value to be written.

### write\_ushort

public abstract void **write\_ushort**(short value)

Writes an unsigned short value to this stream.

**Parameters:**value - the value to be written.

### write\_long

public abstract void **write\_long**(int value)

Writes a CORBA long (i.e. Java int) value to this stream.

**Parameters:**value - the value to be written.

### write\_ulong

public abstract void **write\_ulong**(int value)

Writes an unsigned CORBA long (i.e. Java int) value to this stream.

**Parameters:**value - the value to be written.

### write\_longlong

public abstract void **write\_longlong**(long value)

Writes a CORBA longlong (i.e. Java long) value to this stream.

**Parameters:**value - the value to be written.

### write\_ulonglong

public abstract void **write\_ulonglong**(long value)

Writes an unsigned CORBA longlong (i.e. Java long) value to this stream.

**Parameters:**value - the value to be written.

### write\_float

public abstract void **write\_float**(float value)

Writes a float value to this stream.

**Parameters:**value - the value to be written.

### write\_double

public abstract void **write\_double**(double value)

Writes a double value to this stream.

**Parameters:**value - the value to be written.

### write\_string

public abstract void **write\_string**([String](http://docs.google.com/java/lang/String.html) value)

Writes a string value to this stream.

**Parameters:**value - the value to be written.

### write\_wstring

public abstract void **write\_wstring**([String](http://docs.google.com/java/lang/String.html) value)

Writes a wide string value to this stream.

**Parameters:**value - the value to be written.

### write\_boolean\_array

public abstract void **write\_boolean\_array**(boolean[] value,  
 int offset,  
 int length)

Writes an array of booleans on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_char\_array

public abstract void **write\_char\_array**(char[] value,  
 int offset,  
 int length)

Writes an array of chars on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_wchar\_array

public abstract void **write\_wchar\_array**(char[] value,  
 int offset,  
 int length)

Writes an array of wide chars on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_octet\_array

public abstract void **write\_octet\_array**(byte[] value,  
 int offset,  
 int length)

Writes an array of CORBA octets (bytes) on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_short\_array

public abstract void **write\_short\_array**(short[] value,  
 int offset,  
 int length)

Writes an array of shorts on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_ushort\_array

public abstract void **write\_ushort\_array**(short[] value,  
 int offset,  
 int length)

Writes an array of unsigned shorts on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_long\_array

public abstract void **write\_long\_array**(int[] value,  
 int offset,  
 int length)

Writes an array of CORBA longs (i.e. Java ints) on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_ulong\_array

public abstract void **write\_ulong\_array**(int[] value,  
 int offset,  
 int length)

Writes an array of unsigned CORBA longs (i.e. Java ints) on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_longlong\_array

public abstract void **write\_longlong\_array**(long[] value,  
 int offset,  
 int length)

Writes an array of CORBA longlongs (i.e. Java longs) on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_ulonglong\_array

public abstract void **write\_ulonglong\_array**(long[] value,  
 int offset,  
 int length)

Writes an array of unsigned CORBA longlongs (i.e. Java ints) on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_float\_array

public abstract void **write\_float\_array**(float[] value,  
 int offset,  
 int length)

Writes an array of floats on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_double\_array

public abstract void **write\_double\_array**(double[] value,  
 int offset,  
 int length)

Writes an array of doubles on this output stream.

**Parameters:**value - the array to be written.offset - offset on the stream.length - length of buffer to write.

### write\_Object

public abstract void **write\_Object**([Object](http://docs.google.com/org/omg/CORBA/Object.html) value)

Writes a CORBA Object on this output stream.

**Parameters:**value - the value to be written.

### write\_TypeCode

public abstract void **write\_TypeCode**([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) value)

Writes a TypeCode on this output stream.

**Parameters:**value - the value to be written.

### write\_any

public abstract void **write\_any**([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)

Writes an Any on this output stream.

**Parameters:**value - the value to be written.

### write\_Principal

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public void **write\_Principal**([Principal](http://docs.google.com/org/omg/CORBA/Principal.html) value)

**Deprecated.** *Deprecated by CORBA 2.2.*

Writes a Principle on this output stream.

**Parameters:**value - the value to be written.

### write

public void **write**(int b)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Writes an integer (length of arrays) onto this stream.

**Specified by:**[write](http://docs.google.com/java/io/OutputStream.html#write(int)) in class [OutputStream](http://docs.google.com/java/io/OutputStream.html) **Parameters:**b - the value to be written. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if there is an input/output error**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### write\_fixed

public void **write\_fixed**([BigDecimal](http://docs.google.com/java/math/BigDecimal.html) value)

Writes a BigDecimal number.

**Parameters:**value - a BidDecimal--value to be written.

### write\_Context

public void **write\_Context**([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx,  
 [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) contexts)

Writes a CORBA context on this stream. The Context is marshaled as a sequence of strings. Only those Context values specified in the contexts parameter are actually written.

**Parameters:**ctx - a CORBA contextcontexts - a ContextList object containing the list of contexts to be written**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### orb

public [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) **orb**()

Returns the ORB that created this OutputStream.

**Returns:**the ORB that created this OutputStream**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OutputStream.html) | [**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 CLASS**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/portable/OutputStream.html)    [**NO FRAMES**](http://docs.google.com/OutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).