| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectOutput.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/java/io/ObjectInputValidation.html)   [**NEXT CLASS**](http://docs.google.com/java/io/ObjectOutputStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/ObjectOutput.html)    [**NO FRAMES**](http://docs.google.com/ObjectOutput.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **java.io**

Interface ObjectOutput

**All Superinterfaces:** [DataOutput](http://docs.google.com/java/io/DataOutput.html) **All Known Implementing Classes:** [ObjectOutputStream](http://docs.google.com/java/io/ObjectOutputStream.html)

public interface **ObjectOutput**extends [DataOutput](http://docs.google.com/java/io/DataOutput.html)

ObjectOutput extends the DataOutput interface to include writing of objects. DataOutput includes methods for output of primitive types, ObjectOutput extends that interface to include objects, arrays, and Strings.

**Since:** JDK1.1 **See Also:**[InputStream](http://docs.google.com/java/io/InputStream.html), [ObjectOutputStream](http://docs.google.com/java/io/ObjectOutputStream.html), [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html)

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/java/io/ObjectOutput.html#close())()            Closes the stream. |
| void | [**flush**](http://docs.google.com/java/io/ObjectOutput.html#flush())()            Flushes the stream. |
| void | [**write**](http://docs.google.com/java/io/ObjectOutput.html#write(byte%5B%5D))(byte[] b)            Writes an array of bytes. |
| void | [**write**](http://docs.google.com/java/io/ObjectOutput.html#write(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Writes a sub array of bytes. |
| void | [**write**](http://docs.google.com/java/io/ObjectOutput.html#write(int))(int b)            Writes a byte. |
| void | [**writeObject**](http://docs.google.com/java/io/ObjectOutput.html#writeObject(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Write an object to the underlying storage or stream. |

| **Methods inherited from interface java.io.**[**DataOutput**](http://docs.google.com/java/io/DataOutput.html) |
| --- |
| [writeBoolean](http://docs.google.com/java/io/DataOutput.html#writeBoolean(boolean)), [writeByte](http://docs.google.com/java/io/DataOutput.html#writeByte(int)), [writeBytes](http://docs.google.com/java/io/DataOutput.html#writeBytes(java.lang.String)), [writeChar](http://docs.google.com/java/io/DataOutput.html#writeChar(int)), [writeChars](http://docs.google.com/java/io/DataOutput.html#writeChars(java.lang.String)), [writeDouble](http://docs.google.com/java/io/DataOutput.html#writeDouble(double)), [writeFloat](http://docs.google.com/java/io/DataOutput.html#writeFloat(float)), [writeInt](http://docs.google.com/java/io/DataOutput.html#writeInt(int)), [writeLong](http://docs.google.com/java/io/DataOutput.html#writeLong(long)), [writeShort](http://docs.google.com/java/io/DataOutput.html#writeShort(int)), [writeUTF](http://docs.google.com/java/io/DataOutput.html#writeUTF(java.lang.String)) |

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

### writeObject

void **writeObject**([Object](http://docs.google.com/java/lang/Object.html) obj)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Write an object to the underlying storage or stream. The class that implements this interface defines how the object is written.

**Parameters:**obj - the object to be written **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - Any of the usual Input/Output related exceptions.

### write

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

Writes a byte. This method will block until the byte is actually written.

**Specified by:**[write](http://docs.google.com/java/io/DataOutput.html#write(int)) in interface [DataOutput](http://docs.google.com/java/io/DataOutput.html) **Parameters:**b - the byte **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### write

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

Writes an array of bytes. This method will block until the bytes are actually written.

**Specified by:**[write](http://docs.google.com/java/io/DataOutput.html#write(byte%5B%5D)) in interface [DataOutput](http://docs.google.com/java/io/DataOutput.html) **Parameters:**b - the data to be written **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### write

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

Writes a sub array of bytes.

**Specified by:**[write](http://docs.google.com/java/io/DataOutput.html#write(byte%5B%5D,%20int,%20int)) in interface [DataOutput](http://docs.google.com/java/io/DataOutput.html) **Parameters:**b - the data to be writtenoff - the start offset in the datalen - the number of bytes that are written **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### flush

void **flush**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Flushes the stream. This will write any buffered output bytes.

**Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

### close

void **close**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Closes the stream. This method must be called to release any resources associated with the stream.

**Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If an I/O error has occurred.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ObjectOutput.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

[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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