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

## **org.omg.CORBA**

Interface DataOutputStream

**All Superinterfaces:** [IDLEntity](http://docs.google.com/org/omg/CORBA/portable/IDLEntity.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [ValueBase](http://docs.google.com/org/omg/CORBA/portable/ValueBase.html)

public interface **DataOutputStream**extends [ValueBase](http://docs.google.com/org/omg/CORBA/portable/ValueBase.html)

Defines the methods used to write primitive data types to output streams for marshalling custom value types. This interface is used by user written custom marshalling code for custom value types.

**See Also:**[DataInputStream](http://docs.google.com/org/omg/CORBA/DataInputStream.html), [CustomMarshal](http://docs.google.com/org/omg/CORBA/CustomMarshal.html)

| **Method Summary** | |
| --- | --- |
| void | [**write\_Abstract**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_Abstract(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) value)            Writes the IDL Abstract interface type to the output stream. |
| void | [**write\_any\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_any_array(org.omg.CORBA.Any%5B%5D,%20int,%20int))([Any](http://docs.google.com/org/omg/CORBA/Any.html)[] seq, int offset, int length)            Writes the array of IDL Anys from offset for length elements to the output stream. |
| void | [**write\_any**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_any(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)            Writes the Any value to the output stream. |
| void | [**write\_boolean\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_boolean_array(boolean%5B%5D,%20int,%20int))(boolean[] seq, int offset, int length)            Writes the array of IDL booleans from offset for length elements to the output stream. |
| void | [**write\_boolean**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_boolean(boolean))(boolean value)            Writes the boolean value to the output stream. |
| void | [**write\_char\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_char_array(char%5B%5D,%20int,%20int))(char[] seq, int offset, int length)            Writes the array of IDL characters from offset for length elements to the output stream. |
| void | [**write\_char**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_char(char))(char value)            Writes the IDL character value to the output stream. |
| void | [**write\_double\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_double_array(double%5B%5D,%20int,%20int))(double[] seq, int offset, int length)            Writes the array of IDL doubles from offset for length elements to the output stream. |
| void | [**write\_double**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_double(double))(double value)            Writes the IDL double value to the output stream. |
| void | [**write\_float\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_float_array(float%5B%5D,%20int,%20int))(float[] seq, int offset, int length)            Writes the array of IDL floats from offset for length elements to the output stream. |
| void | [**write\_float**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_float(float))(float value)            Writes the IDL float value to the output stream. |
| void | [**write\_long\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_long_array(int%5B%5D,%20int,%20int))(int[] seq, int offset, int length)            Writes the array of IDL longs from offset for length elements to the output stream. |
| void | [**write\_long**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_long(int))(int value)            Writes the IDL long value (represented as a Java int) to the output stream. |
| void | [**write\_longlong\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_longlong_array(long%5B%5D,%20int,%20int))(long[] seq, int offset, int length)            Writes the array of IDL long longs from offset for length elements to the output stream. |
| void | [**write\_longlong**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_longlong(long))(long value)            Writes the IDL long long value (represented as a Java long) to the output stream. |
| void | [**write\_Object**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_Object(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) value)            Writes the IDL CORBA::Object value to the output stream. |
| void | [**write\_octet\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_octet_array(byte%5B%5D,%20int,%20int))(byte[] seq, int offset, int length)            Writes the array of IDL octets from offset for length elements to the output stream. |
| void | [**write\_octet**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_octet(byte))(byte value)            Writes the IDL octet value (represented as a Java byte) to the output stream. |
| void | [**write\_short\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_short_array(short%5B%5D,%20int,%20int))(short[] seq, int offset, int length)            Writes the array of IDL shorts from offset for length elements to the output stream. |
| void | [**write\_short**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_short(short))(short value)            Writes the IDL short value to the output stream. |
| void | [**write\_string**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_string(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Writes the IDL string value to the output stream. |
| void | [**write\_TypeCode**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_TypeCode(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) value)            Writes the typecode to the output stream. |
| void | [**write\_ulong\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ulong_array(int%5B%5D,%20int,%20int))(int[] seq, int offset, int length)            Writes the array of IDL unsigned longs (represented as Java ints) from offset for length elements to the output stream. |
| void | [**write\_ulong**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ulong(int))(int value)            Writes the IDL unsigned long value (represented as a Java int) to the output stream. |
| void | [**write\_ulonglong\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ulonglong_array(long%5B%5D,%20int,%20int))(long[] seq, int offset, int length)            Writes the array of IDL unsigned long longs (represented as Java longs) from offset for length elements to the output stream. |
| void | [**write\_ulonglong**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ulonglong(long))(long value)            Writes the IDL unsigned long long value (represented as a Java long) to the output stream. |
| void | [**write\_ushort\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ushort_array(short%5B%5D,%20int,%20int))(short[] seq, int offset, int length)            Writes the array of IDL unsigned shorts (represented as Java shorts) from offset for length elements to the output stream. |
| void | [**write\_ushort**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_ushort(short))(short value)            Writes the IDL unsigned short value (represented as a Java short value) to the output stream. |
| void | [**write\_Value**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_Value(java.io.Serializable))([Serializable](http://docs.google.com/java/io/Serializable.html) value)            Writes the IDL value type value to the output stream. |
| void | [**write\_wchar\_array**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_wchar_array(char%5B%5D,%20int,%20int))(char[] seq, int offset, int length)            Writes the array of IDL wide characters from offset for length elements to the output stream. |
| void | [**write\_wchar**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_wchar(char))(char value)            Writes the IDL wide character value to the output stream. |
| void | [**write\_wstring**](http://docs.google.com/org/omg/CORBA/DataOutputStream.html#write_wstring(java.lang.String))([String](http://docs.google.com/java/lang/String.html) value)            Writes the IDL wide string value (represented as a Java String) to the output stream. |

| **Methods inherited from interface org.omg.CORBA.portable.**[**ValueBase**](http://docs.google.com/org/omg/CORBA/portable/ValueBase.html) |
| --- |
| [\_truncatable\_ids](http://docs.google.com/org/omg/CORBA/portable/ValueBase.html#_truncatable_ids()) |

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

### write\_any

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

Writes the Any value to the output stream.

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

### write\_boolean

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

Writes the boolean value to the output stream.

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

### write\_char

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

Writes the IDL character value to the output stream.

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

### write\_wchar

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

Writes the IDL wide character value to the output stream.

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

### write\_octet

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

Writes the IDL octet value (represented as a Java byte) to the output stream.

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

### write\_short

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

Writes the IDL short value to the output stream.

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

### write\_ushort

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

Writes the IDL unsigned short value (represented as a Java short value) to the output stream.

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

### write\_long

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

Writes the IDL long value (represented as a Java int) to the output stream.

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

### write\_ulong

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

Writes the IDL unsigned long value (represented as a Java int) to the output stream.

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

### write\_longlong

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

Writes the IDL long long value (represented as a Java long) to the output stream.

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

### write\_ulonglong

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

Writes the IDL unsigned long long value (represented as a Java long) to the output stream.

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

### write\_float

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

Writes the IDL float value to the output stream.

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

### write\_double

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

Writes the IDL double value to the output stream.

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

### write\_string

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

Writes the IDL string value to the output stream.

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

### write\_wstring

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

Writes the IDL wide string value (represented as a Java String) to the output stream.

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

### write\_Object

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

Writes the IDL CORBA::Object value to the output stream.

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

### write\_Abstract

void **write\_Abstract**([Object](http://docs.google.com/java/lang/Object.html) value)

Writes the IDL Abstract interface type to the output stream.

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

### write\_Value

void **write\_Value**([Serializable](http://docs.google.com/java/io/Serializable.html) value)

Writes the IDL value type value to the output stream.

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

### write\_TypeCode

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

Writes the typecode to the output stream.

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

### write\_any\_array

void **write\_any\_array**([Any](http://docs.google.com/org/omg/CORBA/Any.html)[] seq,  
 int offset,  
 int length)

Writes the array of IDL Anys from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_boolean\_array

void **write\_boolean\_array**(boolean[] seq,  
 int offset,  
 int length)

Writes the array of IDL booleans from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_char\_array

void **write\_char\_array**(char[] seq,  
 int offset,  
 int length)

Writes the array of IDL characters from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_wchar\_array

void **write\_wchar\_array**(char[] seq,  
 int offset,  
 int length)

Writes the array of IDL wide characters from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_octet\_array

void **write\_octet\_array**(byte[] seq,  
 int offset,  
 int length)

Writes the array of IDL octets from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_short\_array

void **write\_short\_array**(short[] seq,  
 int offset,  
 int length)

Writes the array of IDL shorts from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_ushort\_array

void **write\_ushort\_array**(short[] seq,  
 int offset,  
 int length)

Writes the array of IDL unsigned shorts (represented as Java shorts) from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_long\_array

void **write\_long\_array**(int[] seq,  
 int offset,  
 int length)

Writes the array of IDL longs from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_ulong\_array

void **write\_ulong\_array**(int[] seq,  
 int offset,  
 int length)

Writes the array of IDL unsigned longs (represented as Java ints) from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_ulonglong\_array

void **write\_ulonglong\_array**(long[] seq,  
 int offset,  
 int length)

Writes the array of IDL unsigned long longs (represented as Java longs) from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_longlong\_array

void **write\_longlong\_array**(long[] seq,  
 int offset,  
 int length)

Writes the array of IDL long longs from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_float\_array

void **write\_float\_array**(float[] seq,  
 int offset,  
 int length)

Writes the array of IDL floats from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

### write\_double\_array

void **write\_double\_array**(double[] seq,  
 int offset,  
 int length)

Writes the array of IDL doubles from offset for length elements to the output stream.

**Parameters:**seq - The array to be written.offset - The index into seq of the first element to write to the output stream.length - The number of elements to write to the output stream.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DataOutputStream.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/DataInputStream.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/DefinitionKind.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/DataOutputStream.html)    [**NO FRAMES**](http://docs.google.com/DataOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| 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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