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

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

Interface Streamable

**All Known Subinterfaces:** [StreamableValue](http://docs.google.com/org/omg/CORBA/portable/StreamableValue.html) **All Known Implementing Classes:** [AlreadyBoundHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/AlreadyBoundHolder.html), [AnyHolder](http://docs.google.com/org/omg/CORBA/AnyHolder.html), [AnySeqHolder](http://docs.google.com/org/omg/CORBA/AnySeqHolder.html), [BindingHolder](http://docs.google.com/org/omg/CosNaming/BindingHolder.html), [BindingIteratorHolder](http://docs.google.com/org/omg/CosNaming/BindingIteratorHolder.html), [BindingListHolder](http://docs.google.com/org/omg/CosNaming/BindingListHolder.html), [BindingTypeHolder](http://docs.google.com/org/omg/CosNaming/BindingTypeHolder.html), [BooleanHolder](http://docs.google.com/org/omg/CORBA/BooleanHolder.html), [BooleanSeqHolder](http://docs.google.com/org/omg/CORBA/BooleanSeqHolder.html), [ByteHolder](http://docs.google.com/org/omg/CORBA/ByteHolder.html), [CannotProceedHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/CannotProceedHolder.html), [CharHolder](http://docs.google.com/org/omg/CORBA/CharHolder.html), [CharSeqHolder](http://docs.google.com/org/omg/CORBA/CharSeqHolder.html), [CookieHolder](http://docs.google.com/org/omg/PortableServer/ServantLocatorPackage/CookieHolder.html), [CurrentHolder](http://docs.google.com/org/omg/CORBA/CurrentHolder.html), [DoubleHolder](http://docs.google.com/org/omg/CORBA/DoubleHolder.html), [DoubleSeqHolder](http://docs.google.com/org/omg/CORBA/DoubleSeqHolder.html), [FixedHolder](http://docs.google.com/org/omg/CORBA/FixedHolder.html), [FloatHolder](http://docs.google.com/org/omg/CORBA/FloatHolder.html), [FloatSeqHolder](http://docs.google.com/org/omg/CORBA/FloatSeqHolder.html), [IntHolder](http://docs.google.com/org/omg/CORBA/IntHolder.html), [InvalidAddressHolder](http://docs.google.com/org/omg/CosNaming/NamingContextExtPackage/InvalidAddressHolder.html), [InvalidNameHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/InvalidNameHolder.html), [IORHolder](http://docs.google.com/org/omg/IOP/IORHolder.html), [IORInterceptor\_3\_0Holder](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor_3_0Holder.html), [LongHolder](http://docs.google.com/org/omg/CORBA/LongHolder.html), [LongLongSeqHolder](http://docs.google.com/org/omg/CORBA/LongLongSeqHolder.html), [LongSeqHolder](http://docs.google.com/org/omg/CORBA/LongSeqHolder.html), [MultipleComponentProfileHolder](http://docs.google.com/org/omg/IOP/MultipleComponentProfileHolder.html), [NameComponentHolder](http://docs.google.com/org/omg/CosNaming/NameComponentHolder.html), [NameHolder](http://docs.google.com/org/omg/CosNaming/NameHolder.html), [NamingContextExtHolder](http://docs.google.com/org/omg/CosNaming/NamingContextExtHolder.html), [NamingContextHolder](http://docs.google.com/org/omg/CosNaming/NamingContextHolder.html), [NotEmptyHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotEmptyHolder.html), [NotFoundHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFoundHolder.html), [NotFoundReasonHolder](http://docs.google.com/org/omg/CosNaming/NamingContextPackage/NotFoundReasonHolder.html), [ObjectHolder](http://docs.google.com/org/omg/CORBA/ObjectHolder.html), [ObjectReferenceFactoryHolder](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceFactoryHolder.html), [ObjectReferenceTemplateHolder](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateHolder.html), [ObjectReferenceTemplateSeqHolder](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateSeqHolder.html), [OctetSeqHolder](http://docs.google.com/org/omg/CORBA/OctetSeqHolder.html), [ParameterModeHolder](http://docs.google.com/org/omg/CORBA/ParameterModeHolder.html), [PolicyErrorHolder](http://docs.google.com/org/omg/CORBA/PolicyErrorHolder.html), [PolicyHolder](http://docs.google.com/org/omg/CORBA/PolicyHolder.html), [PolicyListHolder](http://docs.google.com/org/omg/CORBA/PolicyListHolder.html), [PrincipalHolder](http://docs.google.com/org/omg/CORBA/PrincipalHolder.html), [ServiceContextHolder](http://docs.google.com/org/omg/IOP/ServiceContextHolder.html), [ServiceContextListHolder](http://docs.google.com/org/omg/IOP/ServiceContextListHolder.html), [ServiceInformationHolder](http://docs.google.com/org/omg/CORBA/ServiceInformationHolder.html), [ShortHolder](http://docs.google.com/org/omg/CORBA/ShortHolder.html), [ShortSeqHolder](http://docs.google.com/org/omg/CORBA/ShortSeqHolder.html), [StringHolder](http://docs.google.com/org/omg/CORBA/StringHolder.html), [StringSeqHolder](http://docs.google.com/org/omg/CORBA/StringSeqHolder.html), [TaggedComponentHolder](http://docs.google.com/org/omg/IOP/TaggedComponentHolder.html), [TaggedProfileHolder](http://docs.google.com/org/omg/IOP/TaggedProfileHolder.html), [TypeCodeHolder](http://docs.google.com/org/omg/CORBA/TypeCodeHolder.html), [ULongLongSeqHolder](http://docs.google.com/org/omg/CORBA/ULongLongSeqHolder.html), [ULongSeqHolder](http://docs.google.com/org/omg/CORBA/ULongSeqHolder.html), [UnknownUserExceptionHolder](http://docs.google.com/org/omg/CORBA/UnknownUserExceptionHolder.html), [UShortSeqHolder](http://docs.google.com/org/omg/CORBA/UShortSeqHolder.html), [ValueBaseHolder](http://docs.google.com/org/omg/CORBA/ValueBaseHolder.html), [WCharSeqHolder](http://docs.google.com/org/omg/CORBA/WCharSeqHolder.html), [WrongTransactionHolder](http://docs.google.com/org/omg/CORBA/WrongTransactionHolder.html), [WStringSeqHolder](http://docs.google.com/org/omg/CORBA/WStringSeqHolder.html)

public interface **Streamable**

The base class for the Holder classess of all complex IDL types. The ORB treats all generated Holders as Streamable to invoke the methods for marshalling and unmarshalling.

**Since:** JDK1.2

| **Method Summary** | |
| --- | --- |
| void | [**\_read**](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_read(org.omg.CORBA.portable.InputStream))([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) istream)            Reads data from istream and initalizes the value field of the Holder with the unmarshalled data. |
| [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | [**\_type**](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_type())()            Retrieves the TypeCode object corresponding to the value in the value field of the Holder. |
| void | [**\_write**](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_write(org.omg.CORBA.portable.OutputStream))([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) ostream)            Marshals to ostream the value in the value field of the Holder. |

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

### \_read

void **\_read**([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) istream)

Reads data from istream and initalizes the value field of the Holder with the unmarshalled data.

**Parameters:**istream - the InputStream that represents the CDR data from the wire.

### \_write

void **\_write**([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) ostream)

Marshals to ostream the value in the value field of the Holder.

**Parameters:**ostream - the CDR OutputStream

### \_type

[TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) **\_type**()

Retrieves the TypeCode object corresponding to the value in the value field of the Holder.

**Returns:**the TypeCode object for the value held in the holder

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

[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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