| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InputStream.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_2_3/portable/Delegate.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA_2_3/portable/ObjectImpl.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA_2_3/portable/InputStream.html)    [**NO FRAMES**](http://docs.google.com/InputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **org.omg.CORBA\_2\_3.portable**

Class InputStream

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.io.InputStream](http://docs.google.com/java/io/InputStream.html)  
 [org.omg.CORBA.portable.InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html)  
 **org.omg.CORBA\_2\_3.portable.InputStream**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html)

public abstract class **InputStream**extends [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html)

InputStream provides for the reading of all of the mapped IDL types from the stream. It extends org.omg.CORBA.portable.InputStream. This class defines new methods that were added for CORBA 2.3.

**Since:** JDK1.2 **See Also:**[InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html)

| **Constructor Summary** | |
| --- | --- |
| [**InputStream**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#InputStream())() |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**read\_abstract\_interface**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_abstract_interface())()            Unmarshal the value object or a suitable stub object. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**read\_abstract\_interface**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_abstract_interface(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) clz)            Unmarshal the class object or the stub class corresponding to the passed type. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**read\_value**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_value())()            Unmarshalls a value type from the input stream. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**read\_value**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_value(org.omg.CORBA.portable.BoxedValueHelper))([BoxedValueHelper](http://docs.google.com/org/omg/CORBA/portable/BoxedValueHelper.html) factory)            Unmarshalls a value type from the input stream. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**read\_value**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_value(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) clz)            Unmarshalls a value type from the input stream. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**read\_value**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_value(java.io.Serializable))([Serializable](http://docs.google.com/java/io/Serializable.html) value)            Unmarshalls a value type from the input stream. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**read\_value**](http://docs.google.com/org/omg/CORBA_2_3/portable/InputStream.html#read_value(java.lang.String))([String](http://docs.google.com/java/lang/String.html) rep\_id)            Unmarshalls a value type from the input stream. |

| **Methods inherited from class org.omg.CORBA.portable.**[**InputStream**](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) |
| --- |
| [orb](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#orb()), [read\_any](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_any()), [read\_boolean\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_boolean_array(boolean%5B%5D,%20int,%20int)), [read\_boolean](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_boolean()), [read\_char\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_char_array(char%5B%5D,%20int,%20int)), [read\_char](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_char()), [read\_Context](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_Context()), [read\_double\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_double_array(double%5B%5D,%20int,%20int)), [read\_double](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_double()), [read\_fixed](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_fixed()), [read\_float\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_float_array(float%5B%5D,%20int,%20int)), [read\_float](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_float()), [read\_long\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_long_array(int%5B%5D,%20int,%20int)), [read\_long](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_long()), [read\_longlong\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_longlong_array(long%5B%5D,%20int,%20int)), [read\_longlong](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_longlong()), [read\_Object](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_Object()), [read\_Object](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_Object(java.lang.Class)), [read\_octet\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_octet_array(byte%5B%5D,%20int,%20int)), [read\_octet](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_octet()), [read\_Principal](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_Principal()), [read\_short\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_short_array(short%5B%5D,%20int,%20int)), [read\_short](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_short()), [read\_string](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_string()), [read\_TypeCode](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_TypeCode()), [read\_ulong\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ulong_array(int%5B%5D,%20int,%20int)), [read\_ulong](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ulong()), [read\_ulonglong\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ulonglong_array(long%5B%5D,%20int,%20int)), [read\_ulonglong](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ulonglong()), [read\_ushort\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ushort_array(short%5B%5D,%20int,%20int)), [read\_ushort](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_ushort()), [read\_wchar\_array](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_wchar_array(char%5B%5D,%20int,%20int)), [read\_wchar](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_wchar()), [read\_wstring](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_wstring()), [read](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read()) |

| **Methods inherited from class java.io.**[**InputStream**](http://docs.google.com/java/io/InputStream.html) |
| --- |
| [available](http://docs.google.com/java/io/InputStream.html#available()), [close](http://docs.google.com/java/io/InputStream.html#close()), [mark](http://docs.google.com/java/io/InputStream.html#mark(int)), [markSupported](http://docs.google.com/java/io/InputStream.html#markSupported()), [read](http://docs.google.com/java/io/InputStream.html#read(byte%5B%5D)), [read](http://docs.google.com/java/io/InputStream.html#read(byte%5B%5D,%20int,%20int)), [reset](http://docs.google.com/java/io/InputStream.html#reset()), [skip](http://docs.google.com/java/io/InputStream.html#skip(long)) |

| **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** |
| --- |

### InputStream

public **InputStream**()

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

### read\_value

public [Serializable](http://docs.google.com/java/io/Serializable.html) **read\_value**()

Unmarshalls a value type from the input stream.

**Returns:**the value type unmarshalled from the input stream

### read\_value

public [Serializable](http://docs.google.com/java/io/Serializable.html) **read\_value**([Class](http://docs.google.com/java/lang/Class.html) clz)

Unmarshalls a value type from the input stream.

**Parameters:**clz - is the declared type of the value to be unmarshalled **Returns:**the value unmarshalled from the input stream

### read\_value

public [Serializable](http://docs.google.com/java/io/Serializable.html) **read\_value**([BoxedValueHelper](http://docs.google.com/org/omg/CORBA/portable/BoxedValueHelper.html) factory)

Unmarshalls a value type from the input stream.

**Parameters:**factory - is the instance fo the helper to be used for unmarshalling the value type **Returns:**the value unmarshalled from the input stream

### read\_value

public [Serializable](http://docs.google.com/java/io/Serializable.html) **read\_value**([String](http://docs.google.com/java/lang/String.html) rep\_id)

Unmarshalls a value type from the input stream.

**Parameters:**rep\_id - identifies the type of the value to be unmarshalled **Returns:**value type unmarshalled from the input stream

### read\_value

public [Serializable](http://docs.google.com/java/io/Serializable.html) **read\_value**([Serializable](http://docs.google.com/java/io/Serializable.html) value)

Unmarshalls a value type from the input stream.

**Parameters:**value - is an uninitialized value which is added to the orb's indirection table before calling Streamable.\_read() or CustomMarshal.unmarshal() to unmarshal the value. **Returns:**value type unmarshalled from the input stream

### read\_abstract\_interface

public [Object](http://docs.google.com/java/lang/Object.html) **read\_abstract\_interface**()

Unmarshal the value object or a suitable stub object.

**Returns:**ORB runtime returns the value object or a suitable stub object.

### read\_abstract\_interface

public [Object](http://docs.google.com/java/lang/Object.html) **read\_abstract\_interface**([Class](http://docs.google.com/java/lang/Class.html) clz)

Unmarshal the class object or the stub class corresponding to the passed type.

**Parameters:**clz - is the Class object for the stub class which corresponds to the type that is statically expected. **Returns:**ORB runtime returns the value object or a suitable stub object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InputStream.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_2_3/portable/Delegate.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA_2_3/portable/ObjectImpl.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA_2_3/portable/InputStream.html)    [**NO FRAMES**](http://docs.google.com/InputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

[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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