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

## **javax.rmi.CORBA**

Interface ValueHandler

**All Known Subinterfaces:** [ValueHandlerMultiFormat](http://docs.google.com/javax/rmi/CORBA/ValueHandlerMultiFormat.html)

public interface **ValueHandler**

Defines methods which allow serialization of Java objects to and from GIOP streams.

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getRMIRepositoryID**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#getRMIRepositoryID(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) clz)            Returns the CORBA RepositoryId for the given Java class. |
| [RunTime](http://docs.google.com/org/omg/SendingContext/RunTime.html) | [**getRunTimeCodeBase**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#getRunTimeCodeBase())()            Returns the CodeBase for this ValueHandler. |
| boolean | [**isCustomMarshaled**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#isCustomMarshaled(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) clz)            Indicates whether the given class performs custom or default marshaling. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**readValue**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#readValue(org.omg.CORBA.portable.InputStream,%20int,%20java.lang.Class,%20java.lang.String,%20org.omg.SendingContext.RunTime))([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) in, int offset, [Class](http://docs.google.com/java/lang/Class.html) clz, [String](http://docs.google.com/java/lang/String.html) repositoryID, [RunTime](http://docs.google.com/org/omg/SendingContext/RunTime.html) sender)            Reads a value from the stream using Java semantics. |
| [Serializable](http://docs.google.com/java/io/Serializable.html) | [**writeReplace**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#writeReplace(java.io.Serializable))([Serializable](http://docs.google.com/java/io/Serializable.html) value)            If the value contains a writeReplace method then the result is returned. |
| void | [**writeValue**](http://docs.google.com/javax/rmi/CORBA/ValueHandler.html#writeValue(org.omg.CORBA.portable.OutputStream,%20java.io.Serializable))([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) out, [Serializable](http://docs.google.com/java/io/Serializable.html) value)            Writes a value to the stream using Java semantics. |

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

### writeValue

void **writeValue**([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) out,  
 [Serializable](http://docs.google.com/java/io/Serializable.html) value)

Writes a value to the stream using Java semantics.

**Parameters:**out - the stream to write the value to.value - the value to be written to the stream.

### readValue

[Serializable](http://docs.google.com/java/io/Serializable.html) **readValue**([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) in,  
 int offset,  
 [Class](http://docs.google.com/java/lang/Class.html) clz,  
 [String](http://docs.google.com/java/lang/String.html) repositoryID,  
 [RunTime](http://docs.google.com/org/omg/SendingContext/RunTime.html) sender)

Reads a value from the stream using Java semantics.

**Parameters:**in - the stream to read the value from.offset - the current position in the input stream.clz - the type of the value to be read in.repositoryID - the RepositoryId of the value to be read in.sender - the sending context runtime codebase. **Returns:**the value read from the stream.

### getRMIRepositoryID

[String](http://docs.google.com/java/lang/String.html) **getRMIRepositoryID**([Class](http://docs.google.com/java/lang/Class.html) clz)

Returns the CORBA RepositoryId for the given Java class.

**Parameters:**clz - a Java class. **Returns:**the CORBA RepositoryId for the class.

### isCustomMarshaled

boolean **isCustomMarshaled**([Class](http://docs.google.com/java/lang/Class.html) clz)

Indicates whether the given class performs custom or default marshaling.

**Parameters:**clz - the class to test for custom marshaling. **Returns:**true if the class performs custom marshaling, false if it does not.

### getRunTimeCodeBase

[RunTime](http://docs.google.com/org/omg/SendingContext/RunTime.html) **getRunTimeCodeBase**()

Returns the CodeBase for this ValueHandler. This is used by the ORB runtime. The server sends the service context containing the IOR for this CodeBase on the first GIOP reply. The client does the same on the first GIOP request.

**Returns:**the SendingContext.CodeBase of this ValueHandler.

### writeReplace

[Serializable](http://docs.google.com/java/io/Serializable.html) **writeReplace**([Serializable](http://docs.google.com/java/io/Serializable.html) value)

If the value contains a writeReplace method then the result is returned. Otherwise, the value itself is returned.

**Parameters:**value - the value to be marshaled. **Returns:**the true value to marshal on the wire.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ValueHandler.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](#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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