| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ByteHolder.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/Bounds.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/CharHolder.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/ByteHolder.html)    [**NO FRAMES**](http://docs.google.com/ByteHolder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **org.omg.CORBA**

Class ByteHolder

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **org.omg.CORBA.ByteHolder**

**All Implemented Interfaces:** [Streamable](http://docs.google.com/org/omg/CORBA/portable/Streamable.html)

public final class **ByteHolder**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Streamable](http://docs.google.com/org/omg/CORBA/portable/Streamable.html)

The Holder for Byte. For more information on Holder files, see  ["Generated Files: Holder Files"](http://docs.google.com/doc-files/generatedfiles.html#holder).

A Holder class for a byte that is used to store "out" and "inout" parameters in IDL methods. If an IDL method signature has an IDL octet as an "out" or "inout" parameter, the programmer must pass an instance of ByteHolder as the corresponding parameter in the method invocation; for "inout" parameters, the programmer must also fill the "in" value to be sent to the server. Before the method invocation returns, the ORB will fill in the value corresponding to the "out" value returned from the server.

If myByteHolder is an instance of ByteHolder, the value stored in its value field can be accessed with myByteHolder.value.

**Since:** JDK1.2

| **Field Summary** | |
| --- | --- |
| byte | [**value**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#value)            The byte value held by this ByteHolder object. |

| **Constructor Summary** | |
| --- | --- |
| [**ByteHolder**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#ByteHolder())()            Constructs a new ByteHolder object with its value field initialized to 0. |
| [**ByteHolder**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#ByteHolder(byte))(byte initial)            Constructs a new ByteHolder object for the given byte. |

| **Method Summary** | |
| --- | --- |
| void | [**\_read**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#_read(org.omg.CORBA.portable.InputStream))([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) input)            Reads from input and initalizes the value in this ByteHolder object with the unmarshalled data. |
| [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | [**\_type**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#_type())()            Returns the TypeCode corresponding to the value held in this ByteHolder object. |
| void | [**\_write**](http://docs.google.com/org/omg/CORBA/ByteHolder.html#_write(org.omg.CORBA.portable.OutputStream))([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) output)            Marshals to output the value in this ByteHolder object. |

| **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)) |

| **Field Detail** |
| --- |

### value

public byte **value**

The byte value held by this ByteHolder object.

| **Constructor Detail** |
| --- |

### ByteHolder

public **ByteHolder**()

Constructs a new ByteHolder object with its value field initialized to 0.

### ByteHolder

public **ByteHolder**(byte initial)

Constructs a new ByteHolder object for the given byte.

**Parameters:**initial - the byte with which to initialize the value field of the new ByteHolder object

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

### \_read

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

Reads from input and initalizes the value in this ByteHolder object with the unmarshalled data.

**Specified by:**[\_read](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_read(org.omg.CORBA.portable.InputStream)) in interface [Streamable](http://docs.google.com/org/omg/CORBA/portable/Streamable.html) **Parameters:**input - the InputStream containing CDR formatted data from the wire.

### \_write

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

Marshals to output the value in this ByteHolder object.

**Specified by:**[\_write](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_write(org.omg.CORBA.portable.OutputStream)) in interface [Streamable](http://docs.google.com/org/omg/CORBA/portable/Streamable.html) **Parameters:**output - the OutputStream which will contain the CDR formatted data.

### \_type

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

Returns the TypeCode corresponding to the value held in this ByteHolder object.

**Specified by:**[\_type](http://docs.google.com/org/omg/CORBA/portable/Streamable.html#_type()) in interface [Streamable](http://docs.google.com/org/omg/CORBA/portable/Streamable.html) **Returns:**the TypeCode of the value held in this ByteHolder 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/ByteHolder.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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[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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