| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TypeCodeHolder.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/TypeCode.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/ULongLongSeqHelper.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/TypeCodeHolder.html)    [**NO FRAMES**](http://docs.google.com/TypeCodeHolder.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 TypeCodeHolder

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

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

public final class **TypeCodeHolder**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 TypeCode. 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 TypeCode object that is used to store "out" and "inout" parameters in IDL operations. If an IDL operation signature has an IDL TypeCode as an "out" or "inout" parameter, the programmer must pass an instance of TypeCodeHolder 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 myTypeCodeHolder is an instance of TypeCodeHolder, the value stored in its value field can be accessed with myTypeCodeHolder.value.

**Since:** JDK1.2

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

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

| **Method Summary** | |
| --- | --- |
| void | [**\_read**](http://docs.google.com/org/omg/CORBA/TypeCodeHolder.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 TypeCodeHolder object with the unmarshalled data. |
| [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | [**\_type**](http://docs.google.com/org/omg/CORBA/TypeCodeHolder.html#_type())()            Returns the TypeCode corresponding to the value held in this TypeCodeHolder object. |
| void | [**\_write**](http://docs.google.com/org/omg/CORBA/TypeCodeHolder.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 TypeCodeHolder 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 [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) **value**

The TypeCode value held by this TypeCodeHolder object.

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

### TypeCodeHolder

public **TypeCodeHolder**()

Constructs a new TypeCodeHolder object with its value field initialized to null.

### TypeCodeHolder

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

Constructs a new TypeCodeHolder object with its value field initialized to the given TypeCode object.

**Parameters:**initial - the TypeCode object with which to initialize the value field of the newly-created TypeCodeHolder 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 TypeCodeHolder 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 TypeCodeHolder 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 TypeCodeHolder 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 TypeCodeHolder 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/TypeCodeHolder.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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