| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NamedValue.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/MARSHAL.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/NameValuePair.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/NamedValue.html)    [**NO FRAMES**](http://docs.google.com/NamedValue.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **org.omg.CORBA**

Class NamedValue

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

public abstract class **NamedValue**extends [Object](http://docs.google.com/java/lang/Object.html)

An object used in the DII and DSI to describe arguments and return values. NamedValue objects are also used in the Context object routines to pass lists of property names and values.

A NamedValue object contains:

* a name -- If the NamedValue object is used to describe arguments to a request, the name will be an argument identifier specified in the OMG IDL interface definition for the operation being described.
* a value -- an Any object
* an argument mode flag -- one of the following:
  + ARG\_IN.value
  + ARG\_OUT.value
  + ARG\_INOUT.value
  + zero -- if this NamedValue object represents a property in a Context object rather than a parameter or return value

The class NamedValue has three methods, which access its fields. The following code fragment demonstrates creating a NamedValue object and then accessing its fields:

ORB orb = ORB.init(args, null);  
 String s = "argument\_1";  
 org.omg.CORBA.Any myAny = orb.create\_any();  
 myAny.insert\_long(12345);  
 int in = org.omg.CORBA.ARG\_IN.value;  
  
 org.omg.CORBA.NamedValue nv = orb.create\_named\_value(  
 s, myAny, in);  
 System.out.println("This nv name is " + nv.name());  
 try {  
 System.out.println("This nv value is " + nv.value().extract\_long());  
 System.out.println("This nv flag is " + nv.flags());  
 } catch (org.omg.CORBA.BAD\_OPERATION b) {  
 System.out.println("extract failed");  
 }

If this code fragment were put into a main method, the output would be something like the following:

This nv name is argument\_1  
 This nv value is 12345  
 This nv flag is 1

Note that the method value returns an Any object. In order to access the long contained in the Any object, we used the method extract\_long.

**Since:** JDK1.2 **See Also:**[Any](http://docs.google.com/org/omg/CORBA/Any.html), [ARG\_IN](http://docs.google.com/org/omg/CORBA/ARG_IN.html), [ARG\_INOUT](http://docs.google.com/org/omg/CORBA/ARG_INOUT.html), [ARG\_OUT](http://docs.google.com/org/omg/CORBA/ARG_OUT.html)

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

| **Method Summary** | |
| --- | --- |
| abstract  int | [**flags**](http://docs.google.com/org/omg/CORBA/NamedValue.html#flags())()            Retrieves the argument mode flag for this NamedValue object. |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**name**](http://docs.google.com/org/omg/CORBA/NamedValue.html#name())()            Retrieves the name for this NamedValue object. |
| abstract  [Any](http://docs.google.com/org/omg/CORBA/Any.html) | [**value**](http://docs.google.com/org/omg/CORBA/NamedValue.html#value())()            Retrieves the value for this NamedValue 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)) |

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

### NamedValue

public **NamedValue**()

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

### name

public abstract [String](http://docs.google.com/java/lang/String.html) **name**()

Retrieves the name for this NamedValue object.

**Returns:**a String object representing the name of this NamedValue object

### value

public abstract [Any](http://docs.google.com/org/omg/CORBA/Any.html) **value**()

Retrieves the value for this NamedValue object.

**Returns:**an Any object containing the value of this NamedValue object

### flags

public abstract int **flags**()

Retrieves the argument mode flag for this NamedValue object.

**Returns:**an int representing the argument mode for this NamedValue 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/NamedValue.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/MARSHAL.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/CORBA/NameValuePair.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/CORBA/NamedValue.html)    [**NO FRAMES**](http://docs.google.com/NamedValue.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).