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

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

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

A modifiable list containing NamedValue objects.

The class NVList is used as follows:

* to describe arguments for a Request object in the Dynamic Invocation Interface and the Dynamic Skeleton Interface
* to describe context values in a Context object

Each NamedValue object consists of the following:

* a name, which is a String object
* a value, as an Any object
* an argument mode flag

An NVList object may be created using one of the following ORB methods:

1. org.omg.CORBA.ORB.create\_list  
    org.omg.CORBA.NVList nv = orb.create\_list(3);  
    The variable nv represents a newly-created NVList object. The argument is a memory-management hint to the orb and does not imply the actual length of the list. If, for example, you want to use an NVList object in a request, and the method being invoked takes three parameters, you might optimize by supplying 3 to the method create\_list. Note that the new NVList will not necessarily have a length of 3; it could have a length of 2 or 4, for instance. Note also that you can add any number of NamedValue objects to this list regardless of its original length.
2. org.omg.CORBA.ORB.create\_operation\_list  
    org.omg.CORBA.NVList nv = orb.create\_operation\_list(myOperationDef);  
    The variable nv represents a newly-created NVList object that contains descriptions of the arguments to the method described in the given OperationDef object.

The methods in the class NVList all deal with the NamedValue objects in the list. There are three methods for adding a NamedValue object, a method for getting the count of NamedValue objects in the list, a method for retrieving a NamedValue object at a given index, and a method for removing a NamedValue object at a given index.

**Since:** JDK1.2 **See Also:**[Request](http://docs.google.com/org/omg/CORBA/Request.html), [ServerRequest](http://docs.google.com/org/omg/CORBA/ServerRequest.html), [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html), [Context](http://docs.google.com/org/omg/CORBA/Context.html)

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

| **Method Summary** | |
| --- | --- |
| abstract  [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) | [**add\_item**](http://docs.google.com/org/omg/CORBA/NVList.html#add_item(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) item\_name, int flags)            Creates a new NamedValue object initialized with the given name and flag, and adds it to the end of this NVList object. |
| abstract  [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) | [**add\_value**](http://docs.google.com/org/omg/CORBA/NVList.html#add_value(java.lang.String,%20org.omg.CORBA.Any,%20int))([String](http://docs.google.com/java/lang/String.html) item\_name, [Any](http://docs.google.com/org/omg/CORBA/Any.html) val, int flags)            Creates a new NamedValue object initialized with the given name, value, and flag, and adds it to the end of this NVList object. |
| abstract  [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) | [**add**](http://docs.google.com/org/omg/CORBA/NVList.html#add(int))(int flags)            Creates a new NamedValue object initialized with the given flag and adds it to the end of this NVList object. |
| abstract  int | [**count**](http://docs.google.com/org/omg/CORBA/NVList.html#count())()            Returns the number of NamedValue objects that have been added to this NVList object. |
| abstract  [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) | [**item**](http://docs.google.com/org/omg/CORBA/NVList.html#item(int))(int index)            Retrieves the NamedValue object at the given index. |
| abstract  void | [**remove**](http://docs.google.com/org/omg/CORBA/NVList.html#remove(int))(int index)            Removes the NamedValue object at the given index. |

| **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** |
| --- |

### NVList

public **NVList**()

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

### count

public abstract int **count**()

Returns the number of NamedValue objects that have been added to this NVList object.

**Returns:**an int indicating the number of NamedValue objects in this NVList.

### add

public abstract [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) **add**(int flags)

Creates a new NamedValue object initialized with the given flag and adds it to the end of this NVList object. The flag can be any one of the argument passing modes: ARG\_IN.value, ARG\_OUT.value, or ARG\_INOUT.value.

**Parameters:**flags - one of the argument mode flags **Returns:**the newly-created NamedValue object

### add\_item

public abstract [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) **add\_item**([String](http://docs.google.com/java/lang/String.html) item\_name,  
 int flags)

Creates a new NamedValue object initialized with the given name and flag, and adds it to the end of this NVList object. The flag can be any one of the argument passing modes: ARG\_IN.value, ARG\_OUT.value, or ARG\_INOUT.value.

**Parameters:**item\_name - the name for the new NamedValue objectflags - one of the argument mode flags **Returns:**the newly-created NamedValue object

### add\_value

public abstract [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) **add\_value**([String](http://docs.google.com/java/lang/String.html) item\_name,  
 [Any](http://docs.google.com/org/omg/CORBA/Any.html) val,  
 int flags)

Creates a new NamedValue object initialized with the given name, value, and flag, and adds it to the end of this NVList object.

**Parameters:**item\_name - the name for the new NamedValue objectval - an Any object containing the value for the new NamedValue objectflags - one of the following argument passing modes: ARG\_IN.value, ARG\_OUT.value, or ARG\_INOUT.value **Returns:**the newly created NamedValue object

### item

public abstract [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) **item**(int index)  
 throws [Bounds](http://docs.google.com/org/omg/CORBA/Bounds.html)

Retrieves the NamedValue object at the given index.

**Parameters:**index - the index of the desired NamedValue object, which must be between zero and the length of the list minus one, inclusive. The first item is at index zero. **Returns:**the NamedValue object at the given index **Throws:** [Bounds](http://docs.google.com/org/omg/CORBA/Bounds.html) - if the index is greater than or equal to number of NamedValue objects

### remove

public abstract void **remove**(int index)  
 throws [Bounds](http://docs.google.com/org/omg/CORBA/Bounds.html)

Removes the NamedValue object at the given index. Note that the indices of all NamedValue objects following the one removed are shifted down by one.

**Parameters:**index - the index of the NamedValue object to be removed, which must be between zero and the length of the list minus one, inclusive. The first item is at index zero. **Throws:** [Bounds](http://docs.google.com/org/omg/CORBA/Bounds.html) - if the index is greater than or equal to number of NamedValue objects in the list

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