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

Class ObjectImpl

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

**All Implemented Interfaces:** [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Direct Known Subclasses:** [\_BindingIteratorStub](http://docs.google.com/org/omg/CosNaming/_BindingIteratorStub.html), [\_DynAnyFactoryStub](http://docs.google.com/org/omg/DynamicAny/_DynAnyFactoryStub.html), [\_DynAnyStub](http://docs.google.com/org/omg/DynamicAny/_DynAnyStub.html), [\_DynArrayStub](http://docs.google.com/org/omg/DynamicAny/_DynArrayStub.html), [\_DynEnumStub](http://docs.google.com/org/omg/DynamicAny/_DynEnumStub.html), [\_DynFixedStub](http://docs.google.com/org/omg/DynamicAny/_DynFixedStub.html), [\_DynSequenceStub](http://docs.google.com/org/omg/DynamicAny/_DynSequenceStub.html), [\_DynStructStub](http://docs.google.com/org/omg/DynamicAny/_DynStructStub.html), [\_DynUnionStub](http://docs.google.com/org/omg/DynamicAny/_DynUnionStub.html), [\_DynValueStub](http://docs.google.com/org/omg/DynamicAny/_DynValueStub.html), [\_IDLTypeStub](http://docs.google.com/org/omg/CORBA/_IDLTypeStub.html), [\_NamingContextExtStub](http://docs.google.com/org/omg/CosNaming/_NamingContextExtStub.html), [\_NamingContextStub](http://docs.google.com/org/omg/CosNaming/_NamingContextStub.html), [\_PolicyStub](http://docs.google.com/org/omg/CORBA/_PolicyStub.html), [\_ServantActivatorStub](http://docs.google.com/org/omg/PortableServer/_ServantActivatorStub.html), [\_ServantLocatorStub](http://docs.google.com/org/omg/PortableServer/_ServantLocatorStub.html), [DynamicImplementation](http://docs.google.com/org/omg/CORBA/DynamicImplementation.html), [ObjectImpl](http://docs.google.com/org/omg/CORBA_2_3/portable/ObjectImpl.html)

public abstract class **ObjectImpl**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Object](http://docs.google.com/org/omg/CORBA/Object.html)

The common base class for all stub classes; provides default implementations of the org.omg.CORBA.Object methods. All method implementations are forwarded to a Delegate object stored in the ObjectImpl instance. ObjectImpl allows for portable stubs because the Delegate can be implemented by a different vendor-specific ORB.

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

| **Method Summary** | |
| --- | --- |
| [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**\_create\_request**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue))([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx, [String](http://docs.google.com/java/lang/String.html) operation, [NVList](http://docs.google.com/org/omg/CORBA/NVList.html) arg\_list, [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) result)            Creates a Request object that contains the given context, method, argument list, and container for the result. |
| [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**\_create\_request**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList))([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx, [String](http://docs.google.com/java/lang/String.html) operation, [NVList](http://docs.google.com/org/omg/CORBA/NVList.html) arg\_list, [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) result, [ExceptionList](http://docs.google.com/org/omg/CORBA/ExceptionList.html) exceptions, [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) contexts)            Creates a Request object that contains the given context, method, argument list, container for the result, exceptions, and list of property names to be used in resolving the context strings. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**\_duplicate**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_duplicate())()            Returns a duplicate of this ObjectImpl object. |
| [Delegate](http://docs.google.com/org/omg/CORBA/portable/Delegate.html) | [**\_get\_delegate**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_delegate())()            Retrieves the reference to the vendor-specific Delegate object to which this ObjectImpl object delegates all methods invoked on it. |
| [DomainManager](http://docs.google.com/org/omg/CORBA/DomainManager.html)[] | [**\_get\_domain\_managers**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_domain_managers())()            Retrieves a list of the domain managers for this ObjectImpl object. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**\_get\_interface\_def**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_interface_def())()            Retrieves the interface definition for this ObjectImpl object. |
| [Policy](http://docs.google.com/org/omg/CORBA/Policy.html) | [**\_get\_policy**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_policy(int))(int policy\_type)            Retrieves the Policy object for this ObjectImpl object that has the given policy type. |
| int | [**\_hash**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_hash(int))(int maximum)            Retrieves the hash code that serves as an ORB-internal identifier for this ObjectImpl object. |
| abstract  [String](http://docs.google.com/java/lang/String.html)[] | [**\_ids**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_ids())()            Retrieves a string array containing the repository identifiers supported by this ObjectImpl object. |
| [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) | [**\_invoke**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_invoke(org.omg.CORBA.portable.OutputStream))([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) output)            Invokes an operation and returns an InputStream object for reading the response. |
| boolean | [**\_is\_a**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_a(java.lang.String))([String](http://docs.google.com/java/lang/String.html) repository\_id)            Checks whether the object identified by the given repository identifier is an ObjectImpl object. |
| boolean | [**\_is\_equivalent**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_equivalent(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) that)            Checks whether the the given ObjectImpl object is equivalent to this ObjectImpl object. |
| boolean | [**\_is\_local**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_is_local())()            Checks whether this ObjectImpl object is implemented by a local servant. |
| boolean | [**\_non\_existent**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_non_existent())()            Checks whether the server object for this ObjectImpl object has been destroyed. |
| [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) | [**\_orb**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_orb())()            Returns a reference to the ORB associated with this object and its delegate. |
| void | [**\_release**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_release())()            Releases the resources associated with this ObjectImpl object. |
| void | [**\_releaseReply**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_releaseReply(org.omg.CORBA.portable.InputStream))([InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) input)            Releases the given reply stream back to the ORB when unmarshalling has completed after a call to the method \_invoke. |
| [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**\_request**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_request(java.lang.String))([String](http://docs.google.com/java/lang/String.html) operation)            Creates a Request object containing the given method that can be used with the Dynamic Invocation Interface. |
| [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) | [**\_request**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_request(java.lang.String,%20boolean))([String](http://docs.google.com/java/lang/String.html) operation, boolean responseExpected)            Returns an OutputStream object to use for marshalling the arguments of the given method. |
| void | [**\_servant\_postinvoke**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_servant_postinvoke(org.omg.CORBA.portable.ServantObject))([ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) servant)            Is called by the local stub after it has invoked an operation on the local servant that was previously retrieved from a call to the method \_servant\_preinvoke. |
| [ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) | [**\_servant\_preinvoke**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_servant_preinvoke(java.lang.String,%20java.lang.Class))([String](http://docs.google.com/java/lang/String.html) operation, [Class](http://docs.google.com/java/lang/Class.html) expectedType)            Returns a Java reference to the local servant that should be used for sending a request for the method specified. |
| void | [**\_set\_delegate**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_set_delegate(org.omg.CORBA.portable.Delegate))([Delegate](http://docs.google.com/org/omg/CORBA/portable/Delegate.html) delegate)            Sets the Delegate for this ObjectImpl instance to the given Delegate object. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**\_set\_policy\_override**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_set_policy_override(org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType))([Policy](http://docs.google.com/org/omg/CORBA/Policy.html)[] policies, [SetOverrideType](http://docs.google.com/org/omg/CORBA/SetOverrideType.html) set\_add)            Sets this ObjectImpl object's override type for the given policies to the given instance of SetOverrideType. |
| boolean | [**equals**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares this ObjectImpl object with the given one for equality. |
| int | [**hashCode**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#hashCode())()            Returns the hash code for this ObjectImpl object. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#toString())()            Returns a String object that represents this ObjectImpl 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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [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** |
| --- |

### ObjectImpl

public **ObjectImpl**()

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

### \_get\_delegate

public [Delegate](http://docs.google.com/org/omg/CORBA/portable/Delegate.html) **\_get\_delegate**()

Retrieves the reference to the vendor-specific Delegate object to which this ObjectImpl object delegates all methods invoked on it.

**Returns:**the Delegate contained in this ObjectImpl instance **Throws:** [BAD\_OPERATION](http://docs.google.com/org/omg/CORBA/BAD_OPERATION.html) - if the delegate has not been set**See Also:**[\_set\_delegate(org.omg.CORBA.portable.Delegate)](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_set_delegate(org.omg.CORBA.portable.Delegate))

### \_set\_delegate

public void **\_set\_delegate**([Delegate](http://docs.google.com/org/omg/CORBA/portable/Delegate.html) delegate)

Sets the Delegate for this ObjectImpl instance to the given Delegate object. All method invocations on this ObjectImpl object will be forwarded to this delegate.

**Parameters:**delegate - the Delegate instance to which all method calls on this ObjectImpl object will be delegated; may be implemented by a third-party ORB**See Also:**[\_get\_delegate()](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_get_delegate())

### \_ids

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

Retrieves a string array containing the repository identifiers supported by this ObjectImpl object. For example, for a stub, this method returns information about all the interfaces supported by the stub.

**Returns:**the array of all repository identifiers supported by this ObjectImpl instance

### \_duplicate

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

Returns a duplicate of this ObjectImpl object.

**Specified by:**[\_duplicate](http://docs.google.com/org/omg/CORBA/Object.html#_duplicate()) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Returns:**an orb.omg.CORBA.Object object that is a duplicate of this object

### \_release

public void **\_release**()

Releases the resources associated with this ObjectImpl object.

**Specified by:**[\_release](http://docs.google.com/org/omg/CORBA/Object.html#_release()) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html)

### \_is\_a

public boolean **\_is\_a**([String](http://docs.google.com/java/lang/String.html) repository\_id)

Checks whether the object identified by the given repository identifier is an ObjectImpl object.

**Specified by:**[\_is\_a](http://docs.google.com/org/omg/CORBA/Object.html#_is_a(java.lang.String)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**repository\_id - a String object with the repository identifier to check **Returns:**true if the object identified by the given repository id is an instance of ObjectImpl; false otherwise

### \_is\_equivalent

public boolean **\_is\_equivalent**([Object](http://docs.google.com/org/omg/CORBA/Object.html) that)

Checks whether the the given ObjectImpl object is equivalent to this ObjectImpl object.

**Specified by:**[\_is\_equivalent](http://docs.google.com/org/omg/CORBA/Object.html#_is_equivalent(org.omg.CORBA.Object)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**that - an instance of ObjectImpl to compare with this ObjectImpl object **Returns:**true if the given object is equivalent to this ObjectImpl object; false otherwise

### \_non\_existent

public boolean **\_non\_existent**()

Checks whether the server object for this ObjectImpl object has been destroyed.

**Specified by:**[\_non\_existent](http://docs.google.com/org/omg/CORBA/Object.html#_non_existent()) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Returns:**true if the ORB knows authoritatively that the server object does not exist; false otherwise

### \_hash

public int **\_hash**(int maximum)

Retrieves the hash code that serves as an ORB-internal identifier for this ObjectImpl object.

**Specified by:**[\_hash](http://docs.google.com/org/omg/CORBA/Object.html#_hash(int)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**maximum - an int indicating the upper bound on the hash value returned by the ORB **Returns:**an int representing the hash code for this ObjectImpl object

### \_request

public [Request](http://docs.google.com/org/omg/CORBA/Request.html) **\_request**([String](http://docs.google.com/java/lang/String.html) operation)

Creates a Request object containing the given method that can be used with the Dynamic Invocation Interface.

**Specified by:**[\_request](http://docs.google.com/org/omg/CORBA/Object.html#_request(java.lang.String)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**operation - the method to be invoked by the new Request object **Returns:**a new Request object initialized with the given method

### \_create\_request

public [Request](http://docs.google.com/org/omg/CORBA/Request.html) **\_create\_request**([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx,  
 [String](http://docs.google.com/java/lang/String.html) operation,  
 [NVList](http://docs.google.com/org/omg/CORBA/NVList.html) arg\_list,  
 [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) result)

Creates a Request object that contains the given context, method, argument list, and container for the result.

**Specified by:**[\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**ctx - the Context for the requestoperation - the method that the new Request object will invokearg\_list - the arguments for the method; an NVList in which each argument is a NamedValue objectresult - a NamedValue object to be used for returning the result of executing the request's method **Returns:**a new Request object initialized with the given context, method, argument list, and container for the return value**See Also:**[Request](http://docs.google.com/org/omg/CORBA/Request.html), [NVList](http://docs.google.com/org/omg/CORBA/NVList.html), [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html)

### \_create\_request

public [Request](http://docs.google.com/org/omg/CORBA/Request.html) **\_create\_request**([Context](http://docs.google.com/org/omg/CORBA/Context.html) ctx,  
 [String](http://docs.google.com/java/lang/String.html) operation,  
 [NVList](http://docs.google.com/org/omg/CORBA/NVList.html) arg\_list,  
 [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html) result,  
 [ExceptionList](http://docs.google.com/org/omg/CORBA/ExceptionList.html) exceptions,  
 [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) contexts)

Creates a Request object that contains the given context, method, argument list, container for the result, exceptions, and list of property names to be used in resolving the context strings. This Request object is for use in the Dynamic Invocation Interface.

**Specified by:**[\_create\_request](http://docs.google.com/org/omg/CORBA/Object.html#_create_request(org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**ctx - the Context object that contains the context strings that must be resolved before they are sent along with the requestoperation - the method that the new Request object will invokearg\_list - the arguments for the method; an NVList in which each argument is a NamedValue objectresult - a NamedValue object to be used for returning the result of executing the request's methodexceptions - a list of the exceptions that the given method throwscontexts - a list of the properties that are needed to resolve the contexts in *ctx*; the strings in *contexts* are used as arguments to the method Context.get\_values, which returns the value associated with the given property **Returns:**a new Request object initialized with the given context strings to resolve, method, argument list, container for the result, exceptions, and list of property names to be used in resolving the context strings**See Also:**[Request](http://docs.google.com/org/omg/CORBA/Request.html), [NVList](http://docs.google.com/org/omg/CORBA/NVList.html), [NamedValue](http://docs.google.com/org/omg/CORBA/NamedValue.html), [ExceptionList](http://docs.google.com/org/omg/CORBA/ExceptionList.html), [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html)

### \_get\_interface\_def

public [Object](http://docs.google.com/org/omg/CORBA/Object.html) **\_get\_interface\_def**()

Retrieves the interface definition for this ObjectImpl object.

**Specified by:**[\_get\_interface\_def](http://docs.google.com/org/omg/CORBA/Object.html#_get_interface_def()) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Returns:**the org.omg.CORBA.Object instance that is the interface definition for this ObjectImpl object

### \_orb

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

Returns a reference to the ORB associated with this object and its delegate. This is the ORB object that created the delegate.

**Returns:**the ORB instance that created the Delegate object contained in this ObjectImpl object

### \_get\_policy

public [Policy](http://docs.google.com/org/omg/CORBA/Policy.html) **\_get\_policy**(int policy\_type)

Retrieves the Policy object for this ObjectImpl object that has the given policy type.

**Specified by:**[\_get\_policy](http://docs.google.com/org/omg/CORBA/Object.html#_get_policy(int)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**policy\_type - an int indicating the policy type **Returns:**the Policy object that is the specified policy type and that applies to this ObjectImpl object**See Also:**[PolicyOperations.policy\_type()](http://docs.google.com/org/omg/CORBA/PolicyOperations.html#policy_type())

### \_get\_domain\_managers

public [DomainManager](http://docs.google.com/org/omg/CORBA/DomainManager.html)[] **\_get\_domain\_managers**()

Retrieves a list of the domain managers for this ObjectImpl object.

**Specified by:**[\_get\_domain\_managers](http://docs.google.com/org/omg/CORBA/Object.html#_get_domain_managers()) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Returns:**an array containing the DomainManager objects for this instance of ObjectImpl

### \_set\_policy\_override

public [Object](http://docs.google.com/org/omg/CORBA/Object.html) **\_set\_policy\_override**([Policy](http://docs.google.com/org/omg/CORBA/Policy.html)[] policies,  
 [SetOverrideType](http://docs.google.com/org/omg/CORBA/SetOverrideType.html) set\_add)

Sets this ObjectImpl object's override type for the given policies to the given instance of SetOverrideType.

**Specified by:**[\_set\_policy\_override](http://docs.google.com/org/omg/CORBA/Object.html#_set_policy_override(org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType)) in interface [Object](http://docs.google.com/org/omg/CORBA/Object.html) **Parameters:**policies - an array of Policy objects with the policies that will replace the current policies or be added to the current policiesset\_add - either SetOverrideType.SET\_OVERRIDE, indicating that the given policies will replace any existing ones, or SetOverrideType.ADD\_OVERRIDE, indicating that the given policies should be added to any existing ones **Returns:**an Object with the given policies replacing or added to its previous policies

### \_is\_local

public boolean **\_is\_local**()

Checks whether this ObjectImpl object is implemented by a local servant. If so, local invocation API's may be used.

**Returns:**true if this object is implemented by a local servant; false otherwise

### \_servant\_preinvoke

public [ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) **\_servant\_preinvoke**([String](http://docs.google.com/java/lang/String.html) operation,  
 [Class](http://docs.google.com/java/lang/Class.html) expectedType)

Returns a Java reference to the local servant that should be used for sending a request for the method specified. If this ObjectImpl object is a local stub, it will invoke the \_servant\_preinvoke method before sending a request in order to obtain the ServantObject instance to use.

If a ServantObject object is returned, its servant field has been set to an object of the expected type (Note: the object may or may not be the actual servant instance). The local stub may cast the servant field to the expected type, and then invoke the operation directly. The ServantRequest object is valid for only one invocation and cannot be used for more than one invocation.

**Parameters:**operation - a String containing the name of the method to be invoked. This name should correspond to the method name as it would be encoded in a GIOP request.expectedType - a Class object representing the expected type of the servant that is returned. This expected type is the Class object associated with the operations class for the stub's interface. For example, a stub for an interface Foo would pass the Class object for the FooOperations interface. **Returns:**(1) a ServantObject object, which may or may not be the actual servant instance, or (2) null if (a) the servant is not local or (b) the servant has ceased to be local due to a ForwardRequest from a POA ServantManager **Throws:** [BAD\_PARAM](http://docs.google.com/org/omg/CORBA/BAD_PARAM.html) - if the servant is not the expected type

### \_servant\_postinvoke

public void **\_servant\_postinvoke**([ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) servant)

Is called by the local stub after it has invoked an operation on the local servant that was previously retrieved from a call to the method \_servant\_preinvoke. The \_servant\_postinvoke method must be called if the \_servant\_preinvoke method returned a non-null value, even if an exception was thrown by the method invoked by the servant. For this reason, the call to the method \_servant\_postinvoke should be placed in a Java finally clause.

**Parameters:**servant - the instance of the ServantObject returned by the \_servant\_preinvoke method

### \_request

public [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) **\_request**([String](http://docs.google.com/java/lang/String.html) operation,  
 boolean responseExpected)

Returns an OutputStream object to use for marshalling the arguments of the given method. This method is called by a stub, which must indicate if a response is expected, that is, whether or not the call is oneway.

**Parameters:**operation - a String giving the name of the method.responseExpected - a boolean -- true if the request is not one way, that is, a response is expected **Returns:**an OutputStream object for dispatching the request

### \_invoke

public [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) **\_invoke**([OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) output)  
 throws [ApplicationException](http://docs.google.com/org/omg/CORBA/portable/ApplicationException.html),  
 [RemarshalException](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html)

Invokes an operation and returns an InputStream object for reading the response. The stub provides the OutputStream object that was previously returned by a call to the \_request method. The method specified as an argument to \_request when it was called previously is the method that this method invokes.

If an exception occurs, the \_invoke method may throw an ApplicationException object that contains an InputStream from which the user exception state may be unmarshalled.

**Parameters:**output - an OutputStream object for dispatching the request **Returns:**an InputStream object containing the marshalled response to the method invoked **Throws:** [ApplicationException](http://docs.google.com/org/omg/CORBA/portable/ApplicationException.html) - if the invocation meets application-defined exception [RemarshalException](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html) - if the invocation leads to a remarshalling error**See Also:**[\_request(java.lang.String)](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_request(java.lang.String))

### \_releaseReply

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

Releases the given reply stream back to the ORB when unmarshalling has completed after a call to the method \_invoke. Calling this method is optional for the stub.

**Parameters:**input - the InputStream object that was returned by the \_invoke method or the ApplicationException.getInputStream method; may be null, in which case this method does nothing**See Also:**[\_invoke(org.omg.CORBA.portable.OutputStream)](http://docs.google.com/org/omg/CORBA/portable/ObjectImpl.html#_invoke(org.omg.CORBA.portable.OutputStream))

### toString

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

Returns a String object that represents this ObjectImpl object.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the String representation of this object

### hashCode

public int **hashCode**()

Returns the hash code for this ObjectImpl object.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the hash code for this object**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Compares this ObjectImpl object with the given one for equality.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the object with which to compare this object **Returns:**true if the two objects are equal; false otherwise**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

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

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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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