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

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

**Direct Known Subclasses:** [Delegate](http://docs.google.com/org/omg/CORBA_2_3/portable/Delegate.html)

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

Specifies a portable API for ORB-vendor-specific implementation of the org.omg.CORBA.Object methods. Each stub (proxy) contains a delegate object, to which all org.omg.CORBA.Object methods are forwarded. This allows a stub generated by one vendor's ORB to work with the delegate from another vendor's ORB.

**See Also:**[Object](http://docs.google.com/org/omg/CORBA/Object.html)

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

| **Method Summary** | |
| --- | --- |
| abstract  [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**create\_request**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#create_request(org.omg.CORBA.Object,%20org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, [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 instance for use in the Dynamic Invocation Interface. |
| abstract  [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**create\_request**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#create_request(org.omg.CORBA.Object,%20org.omg.CORBA.Context,%20java.lang.String,%20org.omg.CORBA.NVList,%20org.omg.CORBA.NamedValue,%20org.omg.CORBA.ExceptionList,%20org.omg.CORBA.ContextList))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, [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) exclist, [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) ctxlist)            Creates a Request instance for use in the Dynamic Invocation Interface. |
| abstract  [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**duplicate**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#duplicate(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Returns a duplicate of the object reference provided. |
| boolean | [**equals**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#equals(org.omg.CORBA.Object,%20java.lang.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [Object](http://docs.google.com/java/lang/Object.html) obj)            Provides the implementation to override the equals(java.lang.Object obj) method of the delegating CORBA object. |
| [DomainManager](http://docs.google.com/org/omg/CORBA/DomainManager.html)[] | [**get\_domain\_managers**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#get_domain_managers(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)            Retrieves the DomainManagers of this object. |
| abstract  [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**get\_interface\_def**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#get_interface_def(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)            Return an InterfaceDef for the object reference provided. |
| [Policy](http://docs.google.com/org/omg/CORBA/Policy.html) | [**get\_policy**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#get_policy(org.omg.CORBA.Object,%20int))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, int policy\_type)            Returns the Policy object of the specified type which applies to this object. |
| abstract  int | [**hash**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#hash(org.omg.CORBA.Object,%20int))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, int max)            Returns an ORB-internal identifier (hashcode) for this object reference. |
| int | [**hashCode**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#hashCode(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)            Provides the implementation to override the hashCode() method of the delegating CORBA object. |
| [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) | [**invoke**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#invoke(org.omg.CORBA.Object,%20org.omg.CORBA.portable.OutputStream))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) output)            invoke is called by a stub to invoke an operation. |
| abstract  boolean | [**is\_a**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#is_a(org.omg.CORBA.Object,%20java.lang.String))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, [String](http://docs.google.com/java/lang/String.html) repository\_id)            Checks if the object reference is an instance of the given interface. |
| abstract  boolean | [**is\_equivalent**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#is_equivalent(org.omg.CORBA.Object,%20org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, [Object](http://docs.google.com/org/omg/CORBA/Object.html) other)            Determines if the two object references are equivalent. |
| boolean | [**is\_local**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#is_local(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)            Returns true if this object is implemented by a local servant. |
| abstract  boolean | [**non\_existent**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#non_existent(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Determines whether the server object for the object reference has been destroyed. |
| [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) | [**orb**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#orb(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Provides a reference to the orb associated with its parameter. |
| abstract  void | [**release**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#release(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Releases resources associated with the object reference provided. |
| void | [**releaseReply**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#releaseReply(org.omg.CORBA.Object,%20org.omg.CORBA.portable.InputStream))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) input)            releaseReply may optionally be called by a stub to release a reply stream back to the ORB when the unmarshaling has completed. |
| abstract  [Request](http://docs.google.com/org/omg/CORBA/Request.html) | [**request**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#request(org.omg.CORBA.Object,%20java.lang.String))([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj, [String](http://docs.google.com/java/lang/String.html) operation)            Creates a Request instance for use in the Dynamic Invocation Interface. |
| [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) | [**request**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#request(org.omg.CORBA.Object,%20java.lang.String,%20boolean))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [String](http://docs.google.com/java/lang/String.html) operation, boolean responseExpected)            request is called by a stub to obtain an OutputStream for marshaling arguments. |
| void | [**servant\_postinvoke**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#servant_postinvoke(org.omg.CORBA.Object,%20org.omg.CORBA.portable.ServantObject))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) servant)            servant\_postinvoke() is invoked by the local stub after the operation has been invoked on the local servant. |
| [ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) | [**servant\_preinvoke**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#servant_preinvoke(org.omg.CORBA.Object,%20java.lang.String,%20java.lang.Class))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [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 servant which should be used for this request. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**set\_policy\_override**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#set_policy_override(org.omg.CORBA.Object,%20org.omg.CORBA.Policy%5B%5D,%20org.omg.CORBA.SetOverrideType))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self, [Policy](http://docs.google.com/org/omg/CORBA/Policy.html)[] policies, [SetOverrideType](http://docs.google.com/org/omg/CORBA/SetOverrideType.html) set\_add)            Associates the policies passed in with a newly created object reference that it returns. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/org/omg/CORBA/portable/Delegate.html#toString(org.omg.CORBA.Object))([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)            Provides the implementation to override the toString() method of the delegating CORBA 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** |
| --- |

### Delegate

public **Delegate**()

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

### get\_interface\_def

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

Return an InterfaceDef for the object reference provided.

**Parameters:**self - The object reference whose InterfaceDef needs to be returned **Returns:**the InterfaceDef

### duplicate

public abstract [Object](http://docs.google.com/org/omg/CORBA/Object.html) **duplicate**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)

Returns a duplicate of the object reference provided.

**Parameters:**obj - The object reference whose duplicate needs to be returned **Returns:**the duplicate object reference

### release

public abstract void **release**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)

Releases resources associated with the object reference provided.

**Parameters:**obj - The object reference whose resources need to be released

### is\_a

public abstract boolean **is\_a**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 [String](http://docs.google.com/java/lang/String.html) repository\_id)

Checks if the object reference is an instance of the given interface.

**Parameters:**obj - The object reference to be checked.repository\_id - The repository identifier of the interface to check against. **Returns:**true if the object reference supports the interface

### non\_existent

public abstract boolean **non\_existent**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)

Determines whether the server object for the object reference has been destroyed.

**Parameters:**obj - The object reference which delegated to this delegate. **Returns:**true if the ORB knows authoritatively that the server object does not exist, false otherwise

### is\_equivalent

public abstract boolean **is\_equivalent**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 [Object](http://docs.google.com/org/omg/CORBA/Object.html) other)

Determines if the two object references are equivalent.

**Parameters:**obj - The object reference which delegated to this delegate.other - The object reference to check equivalence against. **Returns:**true if the objects are CORBA-equivalent.

### hash

public abstract int **hash**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 int max)

Returns an ORB-internal identifier (hashcode) for this object reference.

**Parameters:**obj - The object reference which delegated to this delegate.max - specifies an upper bound on the hash value returned by the ORB. **Returns:**ORB-internal hash identifier for object reference

### request

public abstract [Request](http://docs.google.com/org/omg/CORBA/Request.html) **request**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 [String](http://docs.google.com/java/lang/String.html) operation)

Creates a Request instance for use in the Dynamic Invocation Interface.

**Parameters:**obj - The object reference which delegated to this delegate.operation - The name of the operation to be invoked using the Request instance. **Returns:**the created Request instance

### create\_request

public abstract [Request](http://docs.google.com/org/omg/CORBA/Request.html) **create\_request**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 [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 instance for use in the Dynamic Invocation Interface.

**Parameters:**obj - The object reference which delegated to this delegate.ctx - The context to be used.operation - The name of the operation to be invoked.arg\_list - The arguments to the operation in the form of an NVList.result - A container for the result as a NamedValue. **Returns:**The created Request object.

### create\_request

public abstract [Request](http://docs.google.com/org/omg/CORBA/Request.html) **create\_request**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj,  
 [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) exclist,  
 [ContextList](http://docs.google.com/org/omg/CORBA/ContextList.html) ctxlist)

Creates a Request instance for use in the Dynamic Invocation Interface.

**Parameters:**obj - The object reference which delegated to this delegate.ctx - The context to be used.operation - The name of the operation to be invoked.arg\_list - The arguments to the operation in the form of an NVList.result - A container for the result as a NamedValue.exclist - A list of possible exceptions the operation can throw.ctxlist - A list of context strings that need to be resolved and sent with the Request. **Returns:**The created Request object.

### orb

public [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) **orb**([Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)

Provides a reference to the orb associated with its parameter.

**Parameters:**obj - the object reference which delegated to this delegate. **Returns:**the associated orb.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### get\_policy

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

Returns the Policy object of the specified type which applies to this object.

**Parameters:**self - The object reference which delegated to this delegate.policy\_type - The type of policy to be obtained. **Returns:**A Policy object of the type specified by the policy\_type parameter. **Throws:** [BAD\_PARAM](http://docs.google.com/org/omg/CORBA/BAD_PARAM.html) - raised when the value of policy type is not valid either because the specified type is not supported by this ORB or because a policy object of that type is not associated with this Object.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### get\_domain\_managers

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

Retrieves the DomainManagers of this object. This allows administration services (and applications) to retrieve the domain managers, and hence the security and other policies applicable to individual objects that are members of the domain.

**Parameters:**self - The object reference which delegated to this delegate. **Returns:**The list of immediately enclosing domain managers of this object. At least one domain manager is always returned in the list since by default each object is associated with at least one domain manager at creation.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### set\_policy\_override

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

Associates the policies passed in with a newly created object reference that it returns. Only certain policies that pertain to the invocation of an operation at the client end can be overridden using this operation. Attempts to override any other policy will result in the raising of the CORBA::NO\_PERMISSION exception.

**Parameters:**self - The object reference which delegated to this delegate.policies - A sequence of references to Policy objects.set\_add - Indicates whether these policies should be added onto any otheroverrides that already exist (ADD\_OVERRIDE) in the object reference, or they should be added to a clean override free object reference (SET\_OVERRIDE). **Returns:**A new object reference with the new policies associated with it.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### is\_local

public boolean **is\_local**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)

Returns true if this object is implemented by a local servant.

**Parameters:**self - The object reference which delegated to this delegate. **Returns:**true only if the servant incarnating this object is located in this Java VM. Return false if the servant is not local or the ORB does not support local stubs for this particular servant. The default behavior of is\_local() is to return false.

### servant\_preinvoke

public [ServantObject](http://docs.google.com/org/omg/CORBA/portable/ServantObject.html) **servant\_preinvoke**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self,  
 [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 servant which should be used for this request. servant\_preinvoke() is invoked by a local stub. If a ServantObject object is returned, then 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:**self - The object reference which delegated to this delegate.operation - a string containing the operation name. The operation name corresponds to the operation name as it would be encoded in a GIOP request.expectedType - a Class object representing the expected type of the servant. The expected type is the Class object associated with the operations class of the stub's interface (e.g. A stub for an interface Foo, would pass the Class object for the FooOperations interface). **Returns:**a ServantObject object. The method may return a null value if it does not wish to support this optimization (e.g. due to security, transactions, etc). The method must return null if the servant is not of the expected type.

### servant\_postinvoke

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

servant\_postinvoke() is invoked by the local stub after the operation has been invoked on the local servant. This method must be called if servant\_preinvoke() returned a non-null value, even if an exception was thrown by the servant's method. For this reason, the call to servant\_postinvoke() should be placed in a Java finally clause.

**Parameters:**self - The object reference which delegated to this delegate.servant - the instance of the ServantObject returned from the servant\_preinvoke() method.

### request

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

request is called by a stub to obtain an OutputStream for marshaling arguments. The stub must supply the operation name, and indicate if a response is expected (i.e is this a oneway call).

**Parameters:**self - The object reference which delegated to this delegate.operation - a string containing the operation name. The operation name corresponds to the operation name as it would be encoded in a GIOP request.responseExpected - false if the operation is a one way operation, and true otherwise. **Returns:**OutputStream the OutputStream into which request arguments can be marshaled.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### invoke

public [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) **invoke**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self,  
 [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)

invoke is called by a stub to invoke an operation. The stub provides an OutputStream that was previously returned by a request() call. invoke returns an InputStream which contains the marshaled reply. If an exception occurs, invoke may throw an ApplicationException object which contains an InputStream from which the user exception state may be unmarshaled.

**Parameters:**self - The object reference which delegated to this delegate.output - the OutputStream which contains marshaled arguments **Returns:**input the InputStream from which reply parameters can be unmarshaled. **Throws:** [ApplicationException](http://docs.google.com/org/omg/CORBA/portable/ApplicationException.html) - thrown when implementation throws (upon invocation) an exception defined as part of its remote method definition. [RemarshalException](http://docs.google.com/org/omg/CORBA/portable/RemarshalException.html) - thrown when remarshalling fails.**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### releaseReply

public void **releaseReply**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self,  
 [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) input)

releaseReply may optionally be called by a stub to release a reply stream back to the ORB when the unmarshaling has completed. The stub passes the InputStream returned by invoke() or ApplicationException.getInputStream(). A null value may also be passed to releaseReply, in which case the method is a noop.

**Parameters:**self - The object reference which delegated to this delegate.input - the InputStream returned from invoke().**See Also:**[portable package comments for unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)

Provides the implementation to override the toString() method of the delegating CORBA object.

**Parameters:**self - the object reference that delegated to this delegate **Returns:**a String object that represents the object reference that delegated to this Delegate object

### hashCode

public int **hashCode**([Object](http://docs.google.com/org/omg/CORBA/Object.html) self)

Provides the implementation to override the hashCode() method of the delegating CORBA object.

**Parameters:**self - the object reference that delegated to this delegate **Returns:**an int that represents the hashcode for the object reference that delegated to this Delegate object

### equals

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

Provides the implementation to override the equals(java.lang.Object obj) method of the delegating CORBA object.

**Parameters:**self - the object reference that delegated to this delegateobj - the Object with which to compare **Returns:**true if obj equals self; false otherwise

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

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