| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ServantActivatorPOA.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/PortableServer/ServantActivatorOperations.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/PortableServer/ServantLocator.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/PortableServer/ServantActivatorPOA.html)    [**NO FRAMES**](http://docs.google.com/ServantActivatorPOA.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

## **org.omg.PortableServer**

Class ServantActivatorPOA

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [org.omg.PortableServer.Servant](http://docs.google.com/org/omg/PortableServer/Servant.html)  
 **org.omg.PortableServer.ServantActivatorPOA**

**All Implemented Interfaces:** [InvokeHandler](http://docs.google.com/org/omg/CORBA/portable/InvokeHandler.html), [ServantActivatorOperations](http://docs.google.com/org/omg/PortableServer/ServantActivatorOperations.html), [ServantManagerOperations](http://docs.google.com/org/omg/PortableServer/ServantManagerOperations.html)

public abstract class **ServantActivatorPOA**extends [Servant](http://docs.google.com/org/omg/PortableServer/Servant.html)implements [ServantActivatorOperations](http://docs.google.com/org/omg/PortableServer/ServantActivatorOperations.html), [InvokeHandler](http://docs.google.com/org/omg/CORBA/portable/InvokeHandler.html)

When the POA has the RETAIN policy it uses servant managers that are ServantActivators.

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

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html)[] | [**\_all\_interfaces**](http://docs.google.com/org/omg/PortableServer/ServantActivatorPOA.html#_all_interfaces(org.omg.PortableServer.POA,%20byte%5B%5D))([POA](http://docs.google.com/org/omg/PortableServer/POA.html) poa, byte[] objectId)            Used by the ORB to obtain complete type information from the servant. |
| [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) | [**\_invoke**](http://docs.google.com/org/omg/PortableServer/ServantActivatorPOA.html#_invoke(java.lang.String,%20org.omg.CORBA.portable.InputStream,%20org.omg.CORBA.portable.ResponseHandler))([String](http://docs.google.com/java/lang/String.html) $method, [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) in, [ResponseHandler](http://docs.google.com/org/omg/CORBA/portable/ResponseHandler.html) $rh)            Invoked by the ORB to dispatch a request to the servant. |
| [ServantActivator](http://docs.google.com/org/omg/PortableServer/ServantActivator.html) | [**\_this**](http://docs.google.com/org/omg/PortableServer/ServantActivatorPOA.html#_this())() |
| [ServantActivator](http://docs.google.com/org/omg/PortableServer/ServantActivator.html) | [**\_this**](http://docs.google.com/org/omg/PortableServer/ServantActivatorPOA.html#_this(org.omg.CORBA.ORB))([ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb) |

| **Methods inherited from class org.omg.PortableServer.**[**Servant**](http://docs.google.com/org/omg/PortableServer/Servant.html) |
| --- |
| [\_default\_POA](http://docs.google.com/org/omg/PortableServer/Servant.html#_default_POA()), [\_get\_delegate](http://docs.google.com/org/omg/PortableServer/Servant.html#_get_delegate()), [\_get\_interface\_def](http://docs.google.com/org/omg/PortableServer/Servant.html#_get_interface_def()), [\_is\_a](http://docs.google.com/org/omg/PortableServer/Servant.html#_is_a(java.lang.String)), [\_non\_existent](http://docs.google.com/org/omg/PortableServer/Servant.html#_non_existent()), [\_object\_id](http://docs.google.com/org/omg/PortableServer/Servant.html#_object_id()), [\_orb](http://docs.google.com/org/omg/PortableServer/Servant.html#_orb()), [\_poa](http://docs.google.com/org/omg/PortableServer/Servant.html#_poa()), [\_set\_delegate](http://docs.google.com/org/omg/PortableServer/Servant.html#_set_delegate(org.omg.PortableServer.portable.Delegate)), [\_this\_object](http://docs.google.com/org/omg/PortableServer/Servant.html#_this_object()), [\_this\_object](http://docs.google.com/org/omg/PortableServer/Servant.html#_this_object(org.omg.CORBA.ORB)) |

| **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)) |

| **Methods inherited from interface org.omg.PortableServer.**[**ServantActivatorOperations**](http://docs.google.com/org/omg/PortableServer/ServantActivatorOperations.html) |
| --- |
| [etherealize](http://docs.google.com/org/omg/PortableServer/ServantActivatorOperations.html#etherealize(byte%5B%5D,%20org.omg.PortableServer.POA,%20org.omg.PortableServer.Servant,%20boolean,%20boolean)), [incarnate](http://docs.google.com/org/omg/PortableServer/ServantActivatorOperations.html#incarnate(byte%5B%5D,%20org.omg.PortableServer.POA)) |

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

### ServantActivatorPOA

public **ServantActivatorPOA**()

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

### \_invoke

public [OutputStream](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html) **\_invoke**([String](http://docs.google.com/java/lang/String.html) $method,  
 [InputStream](http://docs.google.com/org/omg/CORBA/portable/InputStream.html) in,  
 [ResponseHandler](http://docs.google.com/org/omg/CORBA/portable/ResponseHandler.html) $rh)

**Description copied from interface:** [**InvokeHandler**](http://docs.google.com/org/omg/CORBA/portable/InvokeHandler.html#_invoke(java.lang.String,%20org.omg.CORBA.portable.InputStream,%20org.omg.CORBA.portable.ResponseHandler)) Invoked by the ORB to dispatch a request to the servant. ORB passes the method name, an InputStream containing the marshalled arguments, and a ResponseHandler which the servant uses to construct a proper reply. Only CORBA SystemException may be thrown by this method. The method must return an OutputStream created by the ResponseHandler which contains the marshalled reply. A servant must not retain a reference to the ResponseHandler beyond the lifetime of a method invocation. Servant behaviour is defined as follows:

1. Determine correct method, and unmarshal parameters from InputStream.

2. Invoke method implementation.

3. If no user exception, create a normal reply using ResponseHandler.

4. If user exception occurred, create exception reply using ResponseHandler.

5. Marshal reply into OutputStream returned by ResponseHandler.

6. Return OutputStream to ORB.

**Specified by:**[\_invoke](http://docs.google.com/org/omg/CORBA/portable/InvokeHandler.html#_invoke(java.lang.String,%20org.omg.CORBA.portable.InputStream,%20org.omg.CORBA.portable.ResponseHandler)) in interface [InvokeHandler](http://docs.google.com/org/omg/CORBA/portable/InvokeHandler.html) **Parameters:**$method - The method name.in - The InputStream containing the marshalled arguments.$rh - The ResponseHandler which the servant uses to construct a proper reply **Returns:**The OutputStream created by the ResponseHandler which contains the marshalled reply

### \_all\_interfaces

public [String](http://docs.google.com/java/lang/String.html)[] **\_all\_interfaces**([POA](http://docs.google.com/org/omg/PortableServer/POA.html) poa,  
 byte[] objectId)

**Description copied from class:** [**Servant**](http://docs.google.com/org/omg/PortableServer/Servant.html#_all_interfaces(org.omg.PortableServer.POA,%20byte%5B%5D)) Used by the ORB to obtain complete type information from the servant.

**Specified by:**[\_all\_interfaces](http://docs.google.com/org/omg/PortableServer/Servant.html#_all_interfaces(org.omg.PortableServer.POA,%20byte%5B%5D)) in class [Servant](http://docs.google.com/org/omg/PortableServer/Servant.html) **Parameters:**poa - POA with which the servant is associated.objectId - is the id corresponding to the object associated with this servant. **Returns:**list of type information for the object.

### \_this

public [ServantActivator](http://docs.google.com/org/omg/PortableServer/ServantActivator.html) **\_this**()

### \_this

public [ServantActivator](http://docs.google.com/org/omg/PortableServer/ServantActivator.html) **\_this**([ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ServantActivatorPOA.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/PortableServer/ServantActivatorOperations.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/PortableServer/ServantLocator.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/PortableServer/ServantActivatorPOA.html)    [**NO FRAMES**](http://docs.google.com/ServantActivatorPOA.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#4d34og8) | [METHOD](#17dp8vu) |

[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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