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

[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.ServantLocatorPOA**

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

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

When the POA has the NON\_RETAIN policy it uses servant managers that are ServantLocators. Because the POA knows that the servant returned by this servant manager will be used only for a single request, it can supply extra information to the servant manager's operations and the servant manager's pair of operations may be able to cooperate to do something different than a ServantActivator. When the POA uses the ServantLocator interface, immediately after performing the operation invocation on the servant returned by preinvoke, the POA will invoke postinvoke on the servant manager, passing the ObjectId value and the Servant value as parameters (among others). This feature may be used to force every request for objects associated with a POA to be mediated by the servant manager.

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

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html)[] | [**\_all\_interfaces**](http://docs.google.com/org/omg/PortableServer/ServantLocatorPOA.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/ServantLocatorPOA.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. |
| [ServantLocator](http://docs.google.com/org/omg/PortableServer/ServantLocator.html) | [**\_this**](http://docs.google.com/org/omg/PortableServer/ServantLocatorPOA.html#_this())() |
| [ServantLocator](http://docs.google.com/org/omg/PortableServer/ServantLocator.html) | [**\_this**](http://docs.google.com/org/omg/PortableServer/ServantLocatorPOA.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.**[**ServantLocatorOperations**](http://docs.google.com/org/omg/PortableServer/ServantLocatorOperations.html) |
| --- |
| [postinvoke](http://docs.google.com/org/omg/PortableServer/ServantLocatorOperations.html#postinvoke(byte%5B%5D,%20org.omg.PortableServer.POA,%20java.lang.String,%20java.lang.Object,%20org.omg.PortableServer.Servant)), [preinvoke](http://docs.google.com/org/omg/PortableServer/ServantLocatorOperations.html#preinvoke(byte%5B%5D,%20org.omg.PortableServer.POA,%20java.lang.String,%20org.omg.PortableServer.ServantLocatorPackage.CookieHolder)) |

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

### ServantLocatorPOA

public **ServantLocatorPOA**()

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

### \_this

public [ServantLocator](http://docs.google.com/org/omg/PortableServer/ServantLocator.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/ServantLocatorPOA.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/ServantLocatorOperations.html)   [**NEXT CLASS**](http://docs.google.com/org/omg/PortableServer/ServantManager.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/PortableServer/ServantLocatorPOA.html)    [**NO FRAMES**](http://docs.google.com/ServantLocatorPOA.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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