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

## **org.omg.PortableServer**

Interface ServantLocatorOperations

**All Superinterfaces:** [ServantManagerOperations](http://docs.google.com/org/omg/PortableServer/ServantManagerOperations.html) **All Known Subinterfaces:** [ServantLocator](http://docs.google.com/org/omg/PortableServer/ServantLocator.html) **All Known Implementing Classes:** [\_ServantLocatorStub](http://docs.google.com/org/omg/PortableServer/_ServantLocatorStub.html), [ServantLocatorPOA](http://docs.google.com/org/omg/PortableServer/ServantLocatorPOA.html)

public interface **ServantLocatorOperations**extends [ServantManagerOperations](http://docs.google.com/org/omg/PortableServer/ServantManagerOperations.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.

| **Method Summary** | |
| --- | --- |
| void | [**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))(byte[] oid, [POA](http://docs.google.com/org/omg/PortableServer/POA.html) adapter, [String](http://docs.google.com/java/lang/String.html) operation, [Object](http://docs.google.com/java/lang/Object.html) the\_cookie, [Servant](http://docs.google.com/org/omg/PortableServer/Servant.html) the\_servant)            This operation is invoked whenener a servant completes a request. |
| [Servant](http://docs.google.com/org/omg/PortableServer/Servant.html) | [**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))(byte[] oid, [POA](http://docs.google.com/org/omg/PortableServer/POA.html) adapter, [String](http://docs.google.com/java/lang/String.html) operation, [CookieHolder](http://docs.google.com/org/omg/PortableServer/ServantLocatorPackage/CookieHolder.html) the\_cookie)            This operations is used to get a servant that will be used to process the request that caused preinvoke to be called. |

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

### preinvoke

[Servant](http://docs.google.com/org/omg/PortableServer/Servant.html) **preinvoke**(byte[] oid,  
 [POA](http://docs.google.com/org/omg/PortableServer/POA.html) adapter,  
 [String](http://docs.google.com/java/lang/String.html) operation,  
 [CookieHolder](http://docs.google.com/org/omg/PortableServer/ServantLocatorPackage/CookieHolder.html) the\_cookie)  
 throws [ForwardRequest](http://docs.google.com/org/omg/PortableServer/ForwardRequest.html)

This operations is used to get a servant that will be used to process the request that caused preinvoke to be called.

**Parameters:**oid - the object id associated with object on which the request was made.adapter - the reference for POA in which the object is being activated.operation - the operation name.the\_cookie - an opaque value that can be set by the servant manager to be used during postinvoke. **Returns:**Servant used to process incoming request. **Throws:** [ForwardRequest](http://docs.google.com/org/omg/PortableServer/ForwardRequest.html) - to indicate to the ORB that it is responsible for delivering the current request and subsequent requests to the object denoted in the forward\_reference member of the exception.

### postinvoke

void **postinvoke**(byte[] oid,  
 [POA](http://docs.google.com/org/omg/PortableServer/POA.html) adapter,  
 [String](http://docs.google.com/java/lang/String.html) operation,  
 [Object](http://docs.google.com/java/lang/Object.html) the\_cookie,  
 [Servant](http://docs.google.com/org/omg/PortableServer/Servant.html) the\_servant)

This operation is invoked whenener a servant completes a request.

**Parameters:**oid - the object id ssociated with object on which the request was made.adapter - the reference for POA in which the object was active.the\_cookie - an opaque value that contains the data set by preinvoke.the\_servant - reference to the servant that is associated with the object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ServantLocatorOperations.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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