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

## **org.omg.PortableInterceptor**

Interface ServerRequestInfoOperations

**All Superinterfaces:** [RequestInfoOperations](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html) **All Known Subinterfaces:** [ServerRequestInfo](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfo.html)

public interface **ServerRequestInfoOperations**extends [RequestInfoOperations](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html)

Request Information, accessible to server-side request interceptors.

Some attributes and operations on ServerRequestInfo are not valid at all interception points. The following table shows the validity of each attribute or operation. If it is not valid, attempting to access it will result in a BAD\_INV\_ORDER being thrown with a standard minor code of 14.

|  | receive\_request\_  service\_contexts | receive\_request | send\_reply | send\_exception | send\_other |
| --- | --- | --- | --- | --- | --- |
| *Inherited from RequestInfo:* | | | | | |
| request\_id | yes | yes | yes | yes | yes |
| operation | yes | yes | yes | yes | yes |
| arguments | no | yes1 | yes | no2 | no2 |
| exceptions | no | yes | yes | yes | yes |
| contexts | no | yes | yes | yes | yes |
| operation\_context | no | yes | yes | no | no |
| result | no | no | yes | no | no |
| response\_expected | yes | yes | yes | yes | yes |
| sync\_scope | yes | yes | yes | yes | yes |
| **request\_id** | yes | yes | yes | yes | yes |
| **operation** | yes | yes | yes | yes | yes |
| **arguments** | no | yes1 | yes | no2 | no2 |
| **exceptions** | no | yes | yes | yes | yes |
| **contexts** | no | yes | yes | yes | yes |
| **operation\_context** | no | yes | yes | no | no |
| **result** | no | no | yes | no | no |
| **response\_expected** | yes | yes | yes | yes | yes |
| **sync\_scope** | yes | yes | yes | yes | yes |
| **reply\_status** | no | no | yes | yes | yes |
| **forward\_reference** | no | no | no | no | yes2 |
| **get\_slot** | yes | yes | yes | yes | yes |
| **get\_request\_service\_context** | yes | no | yes | yes | yes |
| **get\_reply\_service\_context** | no | no | yes | yes | yes |
| *ServerRequestInfo-specific:* | | | | | |
| **sending\_exception** | no | no | no | yes | no |
| **object\_id** | no | yes | yes | yes3 | yes3 |
| **adapter\_id** | no | yes | yes | yes3 | yes3 |
| **server\_id** | no | yes | yes | yes | yes |
| **orb\_id** | no | yes | yes | yes | yes |
| **adapter\_name** | no | yes | yes | yes | yes |
| **target\_most\_derived\_interface** | no | yes | no4 | no4 | no4 |
| **get\_server\_policy** | yes | yes | yes | yes | yes |
| **set\_slot** | yes | yes | yes | yes | yes |
| **target\_is\_a** | no | yes | no4 | no4 | no4 |
| **add\_reply\_service\_context** | yes | yes | yes | yes | yes |

1. When ServerRequestInfo is passed to receive\_request, there is an entry in the list for every argument, whether in, inout, or out. But only the in and inout arguments will be available.
2. If the reply\_status attribute is not LOCATION\_FORWARD, accessing this attribute will throw BAD\_INV\_ORDER with a standard minor code of 14.
3. If the servant locator caused a location forward, or thrown an exception, this attribute/operation may not be available in this interception point. NO\_RESOURCES with a standard minor code of 1 will be thrown if it is not available.
4. The operation is not available in this interception point because the necessary information requires access to the target object's servant, which may no longer be available to the ORB. For example, if the object's adapter is a POA that uses a ServantLocator, then the ORB invokes the interception point after it calls ServantLocator.postinvoke()

.

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

| **Method Summary** | |
| --- | --- |
| byte[] | [**adapter\_id**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#adapter_id())()            Returns the opaque identifier for the object adapter. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**adapter\_name**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#adapter_name())()            Returns the sequence of strings that identifies the object adapter instance that is handling this request. |
| void | [**add\_reply\_service\_context**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#add_reply_service_context(org.omg.IOP.ServiceContext,%20boolean))([ServiceContext](http://docs.google.com/org/omg/IOP/ServiceContext.html) service\_context, boolean replace)            Allows Interceptors to add service contexts to the request. |
| [Policy](http://docs.google.com/org/omg/CORBA/Policy.html) | [**get\_server\_policy**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#get_server_policy(int))(int type)            Returns the policy in effect for this operation for the given policy type. |
| byte[] | [**object\_id**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#object_id())()            Returns the opaque object\_id describing the target of the operation invocation. |
| [String](http://docs.google.com/java/lang/String.html) | [**orb\_id**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#orb_id())()            Returns the ID that was used to create the ORB. |
| [Any](http://docs.google.com/org/omg/CORBA/Any.html) | [**sending\_exception**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#sending_exception())()            Returns an any which contains the exception to be returned to the client. |
| [String](http://docs.google.com/java/lang/String.html) | [**server\_id**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#server_id())()            Returns the server ID that was specified on ORB::init using the -ORBServerId argument. |
| void | [**set\_slot**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#set_slot(int,%20org.omg.CORBA.Any))(int id, [Any](http://docs.google.com/org/omg/CORBA/Any.html) data)            Allows an Interceptor to set a slot in the PortableInterceptor.Current that is in the scope of the request. |
| boolean | [**target\_is\_a**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#target_is_a(java.lang.String))([String](http://docs.google.com/java/lang/String.html) id)            Returns true if the servant is the given repository id, false if it is not. |
| [String](http://docs.google.com/java/lang/String.html) | [**target\_most\_derived\_interface**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html#target_most_derived_interface())()            Returns the repository id for the most derived interface of the servant. |

| **Methods inherited from interface org.omg.PortableInterceptor.**[**RequestInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html) |
| --- |
| [arguments](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#arguments()), [contexts](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#contexts()), [exceptions](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#exceptions()), [forward\_reference](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#forward_reference()), [get\_reply\_service\_context](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#get_reply_service_context(int)), [get\_request\_service\_context](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#get_request_service_context(int)), [get\_slot](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#get_slot(int)), [operation\_context](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#operation_context()), [operation](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#operation()), [reply\_status](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#reply_status()), [request\_id](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#request_id()), [response\_expected](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#response_expected()), [result](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#result()), [sync\_scope](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html#sync_scope()) |

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

### sending\_exception

[Any](http://docs.google.com/org/omg/CORBA/Any.html) **sending\_exception**()

Returns an any which contains the exception to be returned to the client.

If the exception is a user exception which cannot be inserted into an any (e.g., it is unknown or the bindings don't provide the TypeCode), then this attribute will be an any containing the system exception UNKNOWN with a standard minor code of 1.

**See Also:** [PortableInterceptor package comments for limitations / unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### object\_id

byte[] **object\_id**()

Returns the opaque object\_id describing the target of the operation invocation.

### adapter\_id

byte[] **adapter\_id**()

Returns the opaque identifier for the object adapter.

### server\_id

[String](http://docs.google.com/java/lang/String.html) **server\_id**()

Returns the server ID that was specified on ORB::init using the -ORBServerId argument.

### orb\_id

[String](http://docs.google.com/java/lang/String.html) **orb\_id**()

Returns the ID that was used to create the ORB.

### adapter\_name

[String](http://docs.google.com/java/lang/String.html)[] **adapter\_name**()

Returns the sequence of strings that identifies the object adapter instance that is handling this request.

### target\_most\_derived\_interface

[String](http://docs.google.com/java/lang/String.html) **target\_most\_derived\_interface**()

Returns the repository id for the most derived interface of the servant.

### get\_server\_policy

[Policy](http://docs.google.com/org/omg/CORBA/Policy.html) **get\_server\_policy**(int type)

Returns the policy in effect for this operation for the given policy type. The returned CORBA.Policy object shall only be a policy whose type was registered via register\_policy\_factory.

**Parameters:**type - The CORBA.PolicyType which specifies the policy to be returned. **Returns:**The CORBA.Policy obtained with the given policy type. **Throws:** INV\_POLICY - thrown, with a standard minor code of 2, if a policy for the given type was not registered via register\_policy\_factory.**See Also:**[ORBInitInfoOperations.register\_policy\_factory(int, org.omg.PortableInterceptor.PolicyFactory)](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#register_policy_factory(int,%20org.omg.PortableInterceptor.PolicyFactory))

### set\_slot

void **set\_slot**(int id,  
 [Any](http://docs.google.com/org/omg/CORBA/Any.html) data)  
 throws [InvalidSlot](http://docs.google.com/org/omg/PortableInterceptor/InvalidSlot.html)

Allows an Interceptor to set a slot in the PortableInterceptor.Current that is in the scope of the request. If data already exists in that slot, it will be overwritten.

**Parameters:**id - The id of the slot.data - The data, in the form of an any, to store in that slot. **Throws:** [InvalidSlot](http://docs.google.com/org/omg/PortableInterceptor/InvalidSlot.html) - thrown if the ID does not define an allocated slot.**See Also:**[Current](http://docs.google.com/org/omg/PortableInterceptor/Current.html)

### target\_is\_a

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

Returns true if the servant is the given repository id, false if it is not.

**Parameters:**id - The caller wants to know if the servant is this repository id. **Returns:**Is the servant the given RepositoryId?

### add\_reply\_service\_context

void **add\_reply\_service\_context**([ServiceContext](http://docs.google.com/org/omg/IOP/ServiceContext.html) service\_context,  
 boolean replace)

Allows Interceptors to add service contexts to the request.

There is no declaration of the order of the service contexts. They may or may not appear in the order that they are added.

**Parameters:**service\_context - The IOP.ServiceContext to add to the reply.replace - Indicates the behavior of this operation when a service context already exists with the given ID. If false, then BAD\_INV\_ORDER with a standard minor code of 15 is thrown. If true, then the existing service context is replaced by the new one. **Throws:** BAD\_INV\_ORDER - thrown, with a standard minor code of 15, if replace is false and a service context already exists with the given ID.

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

[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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