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

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

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

Request Information, accessible to client-side request interceptors.

Some attributes and operations on ClientRequestInfo 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.

|  | send\_request | send\_poll | receive\_reply | receive\_exception | receive\_other |
| --- | --- | --- | --- | --- | --- |
| *Inherited from RequestInfo:* | | | | | |
| request\_id | yes | yes | yes | yes | yes |
| operation | yes | yes | yes | yes | yes |
| arguments | yes1 | no | yes | no | no |
| exceptions | yes | no | yes | yes | yes |
| contexts | yes | no | yes | yes | yes |
| operation\_context | yes | no | yes | yes | yes |
| result | no | no | yes | no | no |
| response\_expected | yes | yes | yes | yes | yes |
| sync\_scope | yes | no | 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 |
| *ClientRequestInfo-specific:* | | | | | |
| target | yes | yes | yes | yes | yes |
| effective\_target | yes | yes | yes | yes | yes |
| effective\_profile | yes | yes | yes | yes | yes |
| received\_exception | no | no | no | yes | no |
| received\_exception\_id | no | no | no | yes | no |
| get\_effective\_component | yes | no | yes | yes | yes |
| get\_effective\_components | yes | no | yes | yes | yes |
| get\_request\_policy | yes | no | yes | yes | yes |
| add\_request\_service\_context | yes | no | no | no | no |

1. When ClientRequestInfo is passed to send\_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 atribute is not LOCATION\_FORWARD, accessing this attribute will throw BAD\_INV\_ORDER with a standard minor code of 14.

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

| **Method Summary** | |
| --- | --- |
| void | [**add\_request\_service\_context**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#add_request_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. |
| [TaggedProfile](http://docs.google.com/org/omg/IOP/TaggedProfile.html) | [**effective\_profile**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#effective_profile())()            Returns the profile that will be used to send the request. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**effective\_target**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#effective_target())()            Returns the actual object on which the operation will be invoked. |
| [TaggedComponent](http://docs.google.com/org/omg/IOP/TaggedComponent.html) | [**get\_effective\_component**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#get_effective_component(int))(int id)            Returns the IOP.TaggedComponent with the given ID from the profile selected for this request. |
| [TaggedComponent](http://docs.google.com/org/omg/IOP/TaggedComponent.html)[] | [**get\_effective\_components**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#get_effective_components(int))(int id)            Returns an array of all tagged components with the given ID from the profile selected for this request. |
| [Policy](http://docs.google.com/org/omg/CORBA/Policy.html) | [**get\_request\_policy**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#get_request_policy(int))(int type)            Returns the given policy in effect for this operation. |
| [String](http://docs.google.com/java/lang/String.html) | [**received\_exception\_id**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#received_exception_id())()            Returns the repository id of the exception to be returned to the client. |
| [Any](http://docs.google.com/org/omg/CORBA/Any.html) | [**received\_exception**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#received_exception())()            Returns an any which contains the exception to be returned to the client. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**target**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#target())()            Returns the object which the client called to perform the operation. |

| **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** |
| --- |

### target

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

Returns the object which the client called to perform the operation.

**See Also:**[effective\_target()](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#effective_target())

### effective\_target

[Object](http://docs.google.com/org/omg/CORBA/Object.html) **effective\_target**()

Returns the actual object on which the operation will be invoked. If the reply\_status is LOCATION\_FORWARD, then on subsequent requests, effective\_target will contain the forwarded IOR while target will remain unchanged.

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

### effective\_profile

[TaggedProfile](http://docs.google.com/org/omg/IOP/TaggedProfile.html) **effective\_profile**()

Returns the profile that will be used to send the request. If a location forward has occurred for this operation's object and that object's profile changed accordingly, then this profile will be that located profile.

### received\_exception

[Any](http://docs.google.com/org/omg/CORBA/Any.html) **received\_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. However, the repository id of the exception is available in the received\_exception\_id attribute.

**See Also:**[received\_exception\_id()](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#received_exception_id())

### received\_exception\_id

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

Returns the repository id of the exception to be returned to the client.

**See Also:**[received\_exception()](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#received_exception()),  [PortableInterceptor package comments for limitations / unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### get\_effective\_component

[TaggedComponent](http://docs.google.com/org/omg/IOP/TaggedComponent.html) **get\_effective\_component**(int id)

Returns the IOP.TaggedComponent with the given ID from the profile selected for this request.

If there is more than one component for a given component ID, it is undefined which component this operation returns. If there is more than one component for a given component ID, get\_effective\_components should be called instead.

**Parameters:**id - The component id of the component which is to be returned. **Returns:**The IOP.TaggedComponent obtained with the given identifier. **Throws:** BAD\_PARAM - thrown, with a standard minor code of 28, if no component exists for the given component ID.**See Also:**[get\_effective\_components(int)](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#get_effective_components(int))

### get\_effective\_components

[TaggedComponent](http://docs.google.com/org/omg/IOP/TaggedComponent.html)[] **get\_effective\_components**(int id)

Returns an array of all tagged components with the given ID from the profile selected for this request.

**Parameters:**id - The component id of the components which are to be returned. **Returns:**An array of TaggedComponent objects, each of which contains the given identifier. **Throws:** BAD\_PARAM - thrown, with a standard minor code of 28, if no component exists for the given component ID.**See Also:**[get\_effective\_component(int)](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html#get_effective_component(int))

### get\_request\_policy

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

Returns the given policy in effect for this operation.

**Parameters:**type - The policy type which specifies the policy to be returned. **Returns:**The CORBA.Policy obtained with the given type. **Throws:** INV\_POLICY - thrown, with a standard minor code of 1, if the 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:** [PortableInterceptor package comments for limitations / unimplemented features](http://docs.google.com/package-summary.html#unimpl)

### add\_request\_service\_context

void **add\_request\_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 be added to the request.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.

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