| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/org/omg/Messaging/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/PortableInterceptor/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package org.omg.PortableInterceptor

Provides a mechanism to register ORB hooks through which ORB services can intercept the normal flow of execution of the ORB.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**ACTIVE**](http://docs.google.com/org/omg/PortableInterceptor/ACTIVE.html) | org/omg/PortableInterceptor/ACTIVE.java . |
| [**ClientRequestInfo**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfo.html) | Request Information, accessible to client-side request interceptors. |
| [**ClientRequestInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInfoOperations.html) | Request Information, accessible to client-side request interceptors. |
| [**ClientRequestInterceptor**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInterceptor.html) | Client-side request interceptor. |
| [**ClientRequestInterceptorOperations**](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInterceptorOperations.html) | Client-side request interceptor. |
| [**Current**](http://docs.google.com/org/omg/PortableInterceptor/Current.html) | Portable Interceptors Current (also known as PICurrent) is merely a slot table, the slots of which are used by each service to transfer their context data between their context and the request's or reply's service context. |
| [**CurrentOperations**](http://docs.google.com/org/omg/PortableInterceptor/CurrentOperations.html) | Portable Interceptors Current (also known as PICurrent) is merely a slot table, the slots of which are used by each service to transfer their context data between their context and the request's or reply's service context. |
| [**DISCARDING**](http://docs.google.com/org/omg/PortableInterceptor/DISCARDING.html) | org/omg/PortableInterceptor/DISCARDING.java . |
| [**HOLDING**](http://docs.google.com/org/omg/PortableInterceptor/HOLDING.html) | org/omg/PortableInterceptor/HOLDING.java . |
| [**INACTIVE**](http://docs.google.com/org/omg/PortableInterceptor/INACTIVE.html) | org/omg/PortableInterceptor/INACTIVE.java . |
| [**Interceptor**](http://docs.google.com/org/omg/PortableInterceptor/Interceptor.html) | All Portable Interceptors implement Interceptor. |
| [**InterceptorOperations**](http://docs.google.com/org/omg/PortableInterceptor/InterceptorOperations.html) | All Portable Interceptors implement Interceptor. |
| [**IORInfo**](http://docs.google.com/org/omg/PortableInterceptor/IORInfo.html) | Provides the server-side ORB service with access to the applicable policies during IOR construction and the ability to add components. |
| [**IORInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/IORInfoOperations.html) | Provides the server-side ORB service with access to the applicable policies during IOR construction and the ability to add components. |
| [**IORInterceptor**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor.html) | Interceptor used to establish tagged components in the profiles within an IOR. |
| [**IORInterceptor\_3\_0**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor_3_0.html) | org/omg/PortableInterceptor/IORInterceptor\_3\_0.java . |
| [**IORInterceptor\_3\_0Operations**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor_3_0Operations.html) | org/omg/PortableInterceptor/IORInterceptor\_3\_0Operations.java . |
| [**IORInterceptorOperations**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptorOperations.html) | Interceptor used to establish tagged components in the profiles within an IOR. |
| [**LOCATION\_FORWARD**](http://docs.google.com/org/omg/PortableInterceptor/LOCATION_FORWARD.html) | org/omg/PortableInterceptor/LOCATION\_FORWARD.java . |
| [**NON\_EXISTENT**](http://docs.google.com/org/omg/PortableInterceptor/NON_EXISTENT.html) | org/omg/PortableInterceptor/NON\_EXISTENT.java . |
| [**ObjectReferenceFactory**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceFactory.html) | The object reference factory. |
| [**ObjectReferenceTemplate**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplate.html) | The object reference template. |
| [**ORBInitializer**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitializer.html) | Facilitates interceptor registration and ORB initialization. |
| [**ORBInitializerOperations**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitializerOperations.html) | Facilitates interceptor registration and ORB initialization. |
| [**ORBInitInfo**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfo.html) | Passed to each ORBInitializer, allowing it to to register interceptors and perform other duties while the ORB is initializing. |
| [**ORBInitInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html) | Passed to each ORBInitializer, allowing it to to register interceptors and perform other duties while the ORB is initializing. |
| [**PolicyFactory**](http://docs.google.com/org/omg/PortableInterceptor/PolicyFactory.html) | Enables policy types to be constructed using CORBA.ORB.create\_policy. |
| [**PolicyFactoryOperations**](http://docs.google.com/org/omg/PortableInterceptor/PolicyFactoryOperations.html) | Enables policy types to be constructed using CORBA.ORB.create\_policy. |
| [**RequestInfo**](http://docs.google.com/org/omg/PortableInterceptor/RequestInfo.html) | Request Information, accessible to Interceptors. |
| [**RequestInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/RequestInfoOperations.html) | Request Information, accessible to Interceptors. |
| [**ServerRequestInfo**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfo.html) | Request Information, accessible to server-side request interceptors. |
| [**ServerRequestInfoOperations**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInfoOperations.html) | Request Information, accessible to server-side request interceptors. |
| [**ServerRequestInterceptor**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInterceptor.html) | Server-side request interceptor. |
| [**ServerRequestInterceptorOperations**](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInterceptorOperations.html) | Server-side request interceptor. |
| [**SUCCESSFUL**](http://docs.google.com/org/omg/PortableInterceptor/SUCCESSFUL.html) | org/omg/PortableInterceptor/SUCCESSFUL.java . |
| [**SYSTEM\_EXCEPTION**](http://docs.google.com/org/omg/PortableInterceptor/SYSTEM_EXCEPTION.html) | org/omg/PortableInterceptor/SYSTEM\_EXCEPTION.java . |
| [**TRANSPORT\_RETRY**](http://docs.google.com/org/omg/PortableInterceptor/TRANSPORT_RETRY.html) | org/omg/PortableInterceptor/TRANSPORT\_RETRY.java . |
| [**UNKNOWN**](http://docs.google.com/org/omg/PortableInterceptor/UNKNOWN.html) | org/omg/PortableInterceptor/UNKNOWN.java . |
| [**USER\_EXCEPTION**](http://docs.google.com/org/omg/PortableInterceptor/USER_EXCEPTION.html) | org/omg/PortableInterceptor/USER\_EXCEPTION.java . |

| **Class Summary** | |
| --- | --- |
| [**AdapterManagerIdHelper**](http://docs.google.com/org/omg/PortableInterceptor/AdapterManagerIdHelper.html) | Adapter manager identifier. |
| [**AdapterNameHelper**](http://docs.google.com/org/omg/PortableInterceptor/AdapterNameHelper.html) | The name of an object adapter. |
| [**AdapterStateHelper**](http://docs.google.com/org/omg/PortableInterceptor/AdapterStateHelper.html) | Type of object adapter state. |
| [**CurrentHelper**](http://docs.google.com/org/omg/PortableInterceptor/CurrentHelper.html) | Portable Interceptors Current (also known as PICurrent) is merely a slot table, the slots of which are used by each service to transfer their context data between their context and the request's or reply's service context. |
| [**ForwardRequestHelper**](http://docs.google.com/org/omg/PortableInterceptor/ForwardRequestHelper.html) | org/omg/PortableInterceptor/ForwardRequestHelper.java . |
| [**InvalidSlotHelper**](http://docs.google.com/org/omg/PortableInterceptor/InvalidSlotHelper.html) | org/omg/PortableInterceptor/InvalidSlotHelper.java . |
| [**IORInterceptor\_3\_0Helper**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor_3_0Helper.html) | org/omg/PortableInterceptor/IORInterceptor\_3\_0Helper.java . |
| [**IORInterceptor\_3\_0Holder**](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor_3_0Holder.html) | org/omg/PortableInterceptor/IORInterceptor\_3\_0Holder.java . |
| [**ObjectIdHelper**](http://docs.google.com/org/omg/PortableInterceptor/ObjectIdHelper.html) | Type of an object id. |
| [**ObjectReferenceFactoryHelper**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceFactoryHelper.html) | The object reference factory. |
| [**ObjectReferenceFactoryHolder**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceFactoryHolder.html) | The object reference factory. |
| [**ObjectReferenceTemplateHelper**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateHelper.html) | The object reference template. |
| [**ObjectReferenceTemplateHolder**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateHolder.html) | The object reference template. |
| [**ObjectReferenceTemplateSeqHelper**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateSeqHelper.html) | Sequence of object reference templates is used for reporting state changes that do not occur on the adapter manager. |
| [**ObjectReferenceTemplateSeqHolder**](http://docs.google.com/org/omg/PortableInterceptor/ObjectReferenceTemplateSeqHolder.html) | Sequence of object reference templates is used for reporting state changes that do not occur on the adapter manager. |
| [**ORBIdHelper**](http://docs.google.com/org/omg/PortableInterceptor/ORBIdHelper.html) | org/omg/PortableInterceptor/ORBIdHelper.java . |
| [**ServerIdHelper**](http://docs.google.com/org/omg/PortableInterceptor/ServerIdHelper.html) | org/omg/PortableInterceptor/ServerIdHelper.java . |

| **Exception Summary** | |
| --- | --- |
| [**ForwardRequest**](http://docs.google.com/org/omg/PortableInterceptor/ForwardRequest.html) | org/omg/PortableInterceptor/ForwardRequest.java . |
| [**InvalidSlot**](http://docs.google.com/org/omg/PortableInterceptor/InvalidSlot.html) | org/omg/PortableInterceptor/InvalidSlot.java . |

## Package org.omg.PortableInterceptor Description

Provides a mechanism to register ORB hooks through which ORB services can intercept the normal flow of execution of the ORB.

## Interceptor Types

There are currently three types of interceptors that can be registered:

* [IORInterceptor](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor.html) - Used to establish tagged components in the profiles within an IOR.
* [ClientRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInterceptor.html) - Intercepts the flow of a request/reply sequence through the ORB on the *client* side.
* [ServerRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInterceptor.html) - Intercepts the flow of a request/reply sequence through the ORB on the *server* side.

See the javadocs for class [ORBInitializer](http://docs.google.com/org/omg/PortableInterceptor/ORBInitializer.html) for how to go about registering interceptors.

## Known limitations / unimplemented methods in package org.omg.PortableInterceptor

* **RequestInfo**
  + **sync\_scope()**: Always returns SYNC\_WITH\_TRANSPORT
  + **arguments()**: Only supported for DII/DSI calls
  + **exceptions()**: Only supported for DII calls on client side. Not supported on server-side.
  + **contexts()**: Only supported for DII calls on client side. Not supported on server-side since our ORB does not send contexts.
  + **operation\_context()**: Only supported for DII calls on client side. Not supported on server-side since ORB does not send contexts.
  + **result()**: Only supported for DII/DSI calls
* **ClientRequestInfo**
  + **received\_exception\_id()**: Always returns null in the DII case
  + **get\_request\_policy(int type)**: Not implemented.
* **ServerRequestInfo**
  + **sending\_exception()**: Does not support user exceptions on the server side in non-DSI case.

## Package Specification

For a precise list of supported sections of official OMG specifications with which the Java[tm] Platform, Standard Edition 6 complies, see [Official Specifications for CORBA support in Java SE 6](http://docs.google.com/CORBA/doc-files/compliance.html).

**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/org/omg/Messaging/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?org/omg/PortableInterceptor/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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