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

## **org.omg.PortableInterceptor**

Interface ORBInitInfoOperations

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

public interface **ORBInitInfoOperations**

Passed to each ORBInitializer, allowing it to to register interceptors and perform other duties while the ORB is initializing.

The ORBInitInfo object is only valid during ORB.init. If a service keeps a reference to its ORBInitInfo object and tries to use it after ORB.init returns, the object no longer exists and an OBJECT\_NOT\_EXIST exception shall be thrown.

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

| **Method Summary** | |
| --- | --- |
| void | [**add\_client\_request\_interceptor**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#add_client_request_interceptor(org.omg.PortableInterceptor.ClientRequestInterceptor))([ClientRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInterceptor.html) interceptor)            Used to add a client-side request Interceptor to the list of client-side request Interceptors. |
| void | [**add\_ior\_interceptor**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#add_ior_interceptor(org.omg.PortableInterceptor.IORInterceptor))([IORInterceptor](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor.html) interceptor)            Used to add an IOR Interceptor to the list of IOR Interceptors. |
| void | [**add\_server\_request\_interceptor**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#add_server_request_interceptor(org.omg.PortableInterceptor.ServerRequestInterceptor))([ServerRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInterceptor.html) interceptor)            Used to add a server-side request Interceptor to the list of server-side request Interceptors. |
| int | [**allocate\_slot\_id**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#allocate_slot_id())()            Called to allocate a slot on PortableInterceptor.Current. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**arguments**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#arguments())()            Returns the arguments passed to ORB.init. |
| [CodecFactory](http://docs.google.com/org/omg/IOP/CodecFactory.html) | [**codec\_factory**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#codec_factory())()            Returns the IOP.CodecFactory. |
| [String](http://docs.google.com/java/lang/String.html) | [**orb\_id**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#orb_id())()            Returns the ID of the ORB being initialized. |
| void | [**register\_initial\_reference**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#register_initial_reference(java.lang.String,%20org.omg.CORBA.Object))([String](http://docs.google.com/java/lang/String.html) id, [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)            Identical to ORB.register\_initial\_reference. |
| void | [**register\_policy\_factory**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#register_policy_factory(int,%20org.omg.PortableInterceptor.PolicyFactory))(int type, [PolicyFactory](http://docs.google.com/org/omg/PortableInterceptor/PolicyFactory.html) policy\_factory)            Registers a PolicyFactory for the given PolicyType. |
| [Object](http://docs.google.com/org/omg/CORBA/Object.html) | [**resolve\_initial\_references**](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoOperations.html#resolve_initial_references(java.lang.String))([String](http://docs.google.com/java/lang/String.html) id)            Identical to ORB.resolve\_initial\_references. |

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

### arguments

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

Returns the arguments passed to ORB.init. They may or may not contain the ORB's arguments.

### orb\_id

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

Returns the ID of the ORB being initialized.

### codec\_factory

[CodecFactory](http://docs.google.com/org/omg/IOP/CodecFactory.html) **codec\_factory**()

Returns the IOP.CodecFactory. The CodecFactory is normally obtained via a call to ORB.resolve\_initial\_references( "CodecFactory" ), but since the ORB is not yet available and Interceptors, particularly when processing service contexts, will require a Codec, a means of obtaining a Codec is necessary during ORB initialization.

### register\_initial\_reference

void **register\_initial\_reference**([String](http://docs.google.com/java/lang/String.html) id,  
 [Object](http://docs.google.com/org/omg/CORBA/Object.html) obj)  
 throws [InvalidName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/InvalidName.html)

Identical to ORB.register\_initial\_reference. This same functionality exists here because the ORB, not yet fully initialized, is not yet available but initial references may need to be registered as part of Interceptor registration. The only difference is that the version of this operation on the ORB uses PIDL (CORBA.ORB.ObjectId) and (CORBA.ORB.InvalidName) whereas the version in this interface uses IDL defined in this interface; the semantics are identical.

**Throws:** [InvalidName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/InvalidName.html)

### resolve\_initial\_references

[Object](http://docs.google.com/org/omg/CORBA/Object.html) **resolve\_initial\_references**([String](http://docs.google.com/java/lang/String.html) id)  
 throws [InvalidName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/InvalidName.html)

Identical to ORB.resolve\_initial\_references. This same functionality exists here because the ORB, not yet fully initialized, is not yet available but initial references may be required from the ORB as part of Interceptor registration. The only difference is that the version of this operation on the ORB uses PIDL (CORBA::ORB::ObjectId and CORBA::ORB::InvalidName) whereas the version in this interface uses IDL defined in this interface; the semantics are identical.

This operation is only valid during post\_init.

**Throws:** [InvalidName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/InvalidName.html)

### add\_client\_request\_interceptor

void **add\_client\_request\_interceptor**([ClientRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ClientRequestInterceptor.html) interceptor)  
 throws [DuplicateName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/DuplicateName.html)

Used to add a client-side request Interceptor to the list of client-side request Interceptors.

**Parameters:**interceptor - The ClientRequestInterceptor to be added. **Throws:** DuplicateName - thrown if a client-side request Interceptor has already been registered with this Interceptor's name.

### add\_server\_request\_interceptor

void **add\_server\_request\_interceptor**([ServerRequestInterceptor](http://docs.google.com/org/omg/PortableInterceptor/ServerRequestInterceptor.html) interceptor)  
 throws [DuplicateName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/DuplicateName.html)

Used to add a server-side request Interceptor to the list of server-side request Interceptors.

**Parameters:**interceptor - The ServerRequestInterceptor to be added. **Throws:** DuplicateName - thrown if a server-side request Interceptor has already been registered with this Interceptor's name

### add\_ior\_interceptor

void **add\_ior\_interceptor**([IORInterceptor](http://docs.google.com/org/omg/PortableInterceptor/IORInterceptor.html) interceptor)  
 throws [DuplicateName](http://docs.google.com/org/omg/PortableInterceptor/ORBInitInfoPackage/DuplicateName.html)

Used to add an IOR Interceptor to the list of IOR Interceptors.

**Parameters:**interceptor - The IORInterceptor to be added. **Throws:** DuplicateName - thrown if an IOR Interceptor has already been registered with this Interceptor's name.

### allocate\_slot\_id

int **allocate\_slot\_id**()

Called to allocate a slot on PortableInterceptor.Current.

Note that while slot id's can be allocated within an ORB initializer, the slots themselves cannot be initialized.

**Returns:**The index to the slot which has been allocated. **Throws:** BAD\_INV\_ORDER - thrown, with a standard minor code of 14, if set\_slot or get\_slot is called on the PICurrent within an ORB initializer.**See Also:**[Current](http://docs.google.com/org/omg/PortableInterceptor/Current.html)

### register\_policy\_factory

void **register\_policy\_factory**(int type,  
 [PolicyFactory](http://docs.google.com/org/omg/PortableInterceptor/PolicyFactory.html) policy\_factory)

Registers a PolicyFactory for the given PolicyType.

**Parameters:**type - The policy type that the given PolicyFactory serves.policy\_factory - The factory for the given policy type. **Throws:** BAD\_INV\_ORDER - thrown, with a standard minor code of 16, if a PolicyFactory already exists for the given PolicyType.

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