| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/rmi/RemoteException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/rmi//class-useRemoteException.html)    [**NO FRAMES**](http://docs.google.com/RemoteException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.rmi.RemoteException**

| Packages that use [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [**java.rmi**](#3znysh7) | Provides the RMI package. |
| [**java.rmi.activation**](#2et92p0) | Provides support for RMI Object Activation. |
| [**java.rmi.dgc**](#tyjcwt) | Provides classes and interface for RMI distributed garbage-collection (DGC). |
| [**java.rmi.registry**](#3dy6vkm) | Provides a class and two interfaces for the RMI registry. |
| [**java.rmi.server**](#1t3h5sf) | Provides classes and interfaces for supporting the server side of RMI. |
| [**javax.activity**](#4d34og8) | Contains Activity service related exceptions thrown by the ORB machinery during unmarshalling. |
| [**javax.management.remote.rmi**](#2s8eyo1) | The RMI connector is a connector for the JMX Remote API that uses RMI to transmit client requests to a remote MBean server. |
| [**javax.rmi**](#17dp8vu) | Contains user APIs for RMI-IIOP. |
| [**javax.rmi.CORBA**](#3rdcrjn) | Contains portability APIs for RMI-IIOP. |
| [**javax.transaction**](#26in1rg) | Contains three exceptions thrown by the ORB machinery during unmarshalling. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
| --- | --- |

| Subclasses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
| --- | --- |
| class | [**AccessException**](http://docs.google.com/java/rmi/AccessException.html)            An AccessException is thrown by certain methods of the java.rmi.Naming class (specifically bind, rebind, and unbind) and methods of the java.rmi.activation.ActivationSystem interface to indicate that the caller does not have permission to perform the action requested by the method call. |
| class | [**ConnectException**](http://docs.google.com/java/rmi/ConnectException.html)            A ConnectException is thrown if a connection is refused to the remote host for a remote method call. |
| class | [**ConnectIOException**](http://docs.google.com/java/rmi/ConnectIOException.html)            A ConnectIOException is thrown if an IOException occurs while making a connection to the remote host for a remote method call. |
| class | [**MarshalException**](http://docs.google.com/java/rmi/MarshalException.html)            A MarshalException is thrown if a java.io.IOException occurs while marshalling the remote call header, arguments or return value for a remote method call. |
| class | [**NoSuchObjectException**](http://docs.google.com/java/rmi/NoSuchObjectException.html)            A NoSuchObjectException is thrown if an attempt is made to invoke a method on an object that no longer exists in the remote virtual machine. |
| class | [**ServerError**](http://docs.google.com/java/rmi/ServerError.html)            A ServerError is thrown as a result of a remote method invocation when an Error is thrown while processing the invocation on the server, either while unmarshalling the arguments, executing the remote method itself, or marshalling the return value. |
| class | [**ServerException**](http://docs.google.com/java/rmi/ServerException.html)            A ServerException is thrown as a result of a remote method invocation when a RemoteException is thrown while processing the invocation on the server, either while unmarshalling the arguments or executing the remote method itself. |
| class | [**ServerRuntimeException**](http://docs.google.com/java/rmi/ServerRuntimeException.html)  **Deprecated.** *no replacement* |
| class | [**StubNotFoundException**](http://docs.google.com/java/rmi/StubNotFoundException.html)            A StubNotFoundException is thrown if a valid stub class could not be found for a remote object when it is exported. |
| class | [**UnexpectedException**](http://docs.google.com/java/rmi/UnexpectedException.html)            An UnexpectedException is thrown if the client of a remote method call receives, as a result of the call, a checked exception that is not among the checked exception types declared in the throws clause of the method in the remote interface. |
| class | [**UnknownHostException**](http://docs.google.com/java/rmi/UnknownHostException.html)            An UnknownHostException is thrown if a java.net.UnknownHostException occurs while creating a connection to the remote host for a remote method call. |
| class | [**UnmarshalException**](http://docs.google.com/java/rmi/UnmarshalException.html)            An UnmarshalException can be thrown while unmarshalling the parameters or results of a remote method call if any of the following conditions occur: if an exception occurs while unmarshalling the call header if the protocol for the return value is invalid if a java.io.IOException occurs unmarshalling parameters (on the server side) or the return value (on the client side). |

| Methods in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| static void | **Naming.**[**bind**](http://docs.google.com/java/rmi/Naming.html#bind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Binds the specified name to a remote object. |
| static [String](http://docs.google.com/java/lang/String.html)[] | **Naming.**[**list**](http://docs.google.com/java/rmi/Naming.html#list(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns an array of the names bound in the registry. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **Naming.**[**lookup**](http://docs.google.com/java/rmi/Naming.html#lookup(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns a reference, a stub, for the remote object associated with the specified name. |
| static void | **Naming.**[**rebind**](http://docs.google.com/java/rmi/Naming.html#rebind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Rebinds the specified name to a new remote object. |
| static void | **Naming.**[**unbind**](http://docs.google.com/java/rmi/Naming.html#unbind(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Destroys the binding for the specified name that is associated with a remote object. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) | |
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| Subclasses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) | |
| --- | --- |
| class | [**ActivateFailedException**](http://docs.google.com/java/rmi/activation/ActivateFailedException.html)            This exception is thrown by the RMI runtime when activation fails during a remote call to an activatable object. |

| Methods in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> | **Activator.**[**activate**](http://docs.google.com/java/rmi/activation/Activator.html#activate(java.rmi.activation.ActivationID,%20boolean))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, boolean force)            Activate the object associated with the activation identifier, id. |
| [Remote](http://docs.google.com/java/rmi/Remote.html) | **ActivationID.**[**activate**](http://docs.google.com/java/rmi/activation/ActivationID.html#activate(boolean))(boolean force)            Activate the object for this id. |
| [ActivationMonitor](http://docs.google.com/java/rmi/activation/ActivationMonitor.html) | **ActivationSystem.**[**activeGroup**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#activeGroup(java.rmi.activation.ActivationGroupID,%20java.rmi.activation.ActivationInstantiator,%20long))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) id, [ActivationInstantiator](http://docs.google.com/java/rmi/activation/ActivationInstantiator.html) group, long incarnation)            Callback to inform activation system that group is now active. |
| protected  void | **ActivationGroup.**[**activeObject**](http://docs.google.com/java/rmi/activation/ActivationGroup.html#activeObject(java.rmi.activation.ActivationID,%20java.rmi.MarshalledObject))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> mobj)            This protected method is necessary for subclasses to make the activeObject callback to the group's monitor. |
| void | **ActivationMonitor.**[**activeObject**](http://docs.google.com/java/rmi/activation/ActivationMonitor.html#activeObject(java.rmi.activation.ActivationID,%20java.rmi.MarshalledObject))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> obj)            Informs that an object is now active. |
| abstract  void | **ActivationGroup.**[**activeObject**](http://docs.google.com/java/rmi/activation/ActivationGroup.html#activeObject(java.rmi.activation.ActivationID,%20java.rmi.Remote))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            The group's activeObject method is called when an object is exported (either by Activatable object construction or an explicit call to Activatable.exportObject. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **Activatable.**[**exportObject**](http://docs.google.com/java/rmi/activation/Activatable.html#exportObject(java.rmi.Remote,%20java.rmi.activation.ActivationID,%20int))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, int port)            Export the activatable remote object to the RMI runtime to make the object available to receive incoming calls. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **Activatable.**[**exportObject**](http://docs.google.com/java/rmi/activation/Activatable.html#exportObject(java.rmi.Remote,%20java.rmi.activation.ActivationID,%20int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Export the activatable remote object to the RMI runtime to make the object available to receive incoming calls. |
| static [ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) | **Activatable.**[**exportObject**](http://docs.google.com/java/rmi/activation/Activatable.html#exportObject(java.rmi.Remote,%20java.lang.String,%20java.rmi.MarshalledObject,%20boolean,%20int))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [String](http://docs.google.com/java/lang/String.html) location, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data, boolean restart, int port)            Registers an activation descriptor (with the specified location, data, and restart mode) for the specified object, and exports that object with the specified port. |
| static [ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) | **Activatable.**[**exportObject**](http://docs.google.com/java/rmi/activation/Activatable.html#exportObject(java.rmi.Remote,%20java.lang.String,%20java.rmi.MarshalledObject,%20boolean,%20int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [String](http://docs.google.com/java/lang/String.html) location, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data, boolean restart, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Registers an activation descriptor (with the specified location, data, and restart mode) for the specified object, and exports that object with the specified port, and the specified client and server socket factories. |
| [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) | **ActivationSystem.**[**getActivationDesc**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#getActivationDesc(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            Returns the activation descriptor, for the object with the activation identifier, id. |
| [ActivationGroupDesc](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html) | **ActivationSystem.**[**getActivationGroupDesc**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#getActivationGroupDesc(java.rmi.activation.ActivationGroupID))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) id)            Returns the activation group descriptor, for the group with the activation group identifier, id. |
| static boolean | **Activatable.**[**inactive**](http://docs.google.com/java/rmi/activation/Activatable.html#inactive(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            Informs the system that the object with the corresponding activation id is currently inactive. |
| protected  void | **ActivationGroup.**[**inactiveGroup**](http://docs.google.com/java/rmi/activation/ActivationGroup.html#inactiveGroup())()            This protected method is necessary for subclasses to make the inactiveGroup callback to the group's monitor. |
| void | **ActivationMonitor.**[**inactiveGroup**](http://docs.google.com/java/rmi/activation/ActivationMonitor.html#inactiveGroup(java.rmi.activation.ActivationGroupID,%20long))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) id, long incarnation)            Informs that the group is now inactive. |
| boolean | **ActivationGroup.**[**inactiveObject**](http://docs.google.com/java/rmi/activation/ActivationGroup.html#inactiveObject(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            The group's inactiveObject method is called indirectly via a call to the Activatable.inactive method. |
| void | **ActivationMonitor.**[**inactiveObject**](http://docs.google.com/java/rmi/activation/ActivationMonitor.html#inactiveObject(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            An activation group calls its monitor's inactiveObject method when an object in its group becomes inactive (deactivates). |
| [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html) | **ActivationGroup\_Stub.**[**newInstance**](http://docs.google.com/java/rmi/activation/ActivationGroup_Stub.html#newInstance(java.rmi.activation.ActivationID,%20java.rmi.activation.ActivationDesc))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            Stub method for ActivationGroup.newInstance. |
| [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<? extends [Remote](http://docs.google.com/java/rmi/Remote.html)> | **ActivationInstantiator.**[**newInstance**](http://docs.google.com/java/rmi/activation/ActivationInstantiator.html#newInstance(java.rmi.activation.ActivationID,%20java.rmi.activation.ActivationDesc))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            The activator calls an instantiator's newInstance method in order to recreate in that group an object with the activation identifier, id, and descriptor, desc. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **Activatable.**[**register**](http://docs.google.com/java/rmi/activation/Activatable.html#register(java.rmi.activation.ActivationDesc))([ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            Register an object descriptor for an activatable remote object so that is can be activated on demand. |
| [ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) | **ActivationSystem.**[**registerGroup**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#registerGroup(java.rmi.activation.ActivationGroupDesc))([ActivationGroupDesc](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html) desc)            Register the activation group. |
| [ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) | **ActivationSystem.**[**registerObject**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#registerObject(java.rmi.activation.ActivationDesc))([ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            The registerObject method is used to register an activation descriptor, desc, and obtain an activation identifier for a activatable remote object. |
| [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) | **ActivationSystem.**[**setActivationDesc**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#setActivationDesc(java.rmi.activation.ActivationID,%20java.rmi.activation.ActivationDesc))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, [ActivationDesc](http://docs.google.com/java/rmi/activation/ActivationDesc.html) desc)            Set the activation descriptor, desc for the object with the activation identifier, id. |
| [ActivationGroupDesc](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html) | **ActivationSystem.**[**setActivationGroupDesc**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#setActivationGroupDesc(java.rmi.activation.ActivationGroupID,%20java.rmi.activation.ActivationGroupDesc))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) id, [ActivationGroupDesc](http://docs.google.com/java/rmi/activation/ActivationGroupDesc.html) desc)            Set the activation group descriptor, desc for the object with the activation group identifier, id. |
| void | **ActivationSystem.**[**shutdown**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#shutdown())()            Shutdown the activation system. |
| static void | **Activatable.**[**unregister**](http://docs.google.com/java/rmi/activation/Activatable.html#unregister(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            Revokes previous registration for the activation descriptor associated with id. |
| void | **ActivationSystem.**[**unregisterGroup**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#unregisterGroup(java.rmi.activation.ActivationGroupID))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) id)            Remove the activation group. |
| void | **ActivationSystem.**[**unregisterObject**](http://docs.google.com/java/rmi/activation/ActivationSystem.html#unregisterObject(java.rmi.activation.ActivationID))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id)            Remove the activation id and associated descriptor previously registered with the ActivationSystem; the object can no longer be activated via the object's activation id. |

| Constructors in [java.rmi.activation](http://docs.google.com/java/rmi/activation/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
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| [**Activatable**](http://docs.google.com/java/rmi/activation/Activatable.html#Activatable(java.rmi.activation.ActivationID,%20int))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, int port)            Constructor used to activate/export the object on a specified port. |
| [**Activatable**](http://docs.google.com/java/rmi/activation/Activatable.html#Activatable(java.rmi.activation.ActivationID,%20int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))([ActivationID](http://docs.google.com/java/rmi/activation/ActivationID.html) id, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Constructor used to activate/export the object on a specified port. |
| [**Activatable**](http://docs.google.com/java/rmi/activation/Activatable.html#Activatable(java.lang.String,%20java.rmi.MarshalledObject,%20boolean,%20int))([String](http://docs.google.com/java/lang/String.html) location, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data, boolean restart, int port)            Constructs an activatable remote object by registering an activation descriptor (with the specified location, data, and restart mode) for this object, and exporting the object with the specified port. |
| [**Activatable**](http://docs.google.com/java/rmi/activation/Activatable.html#Activatable(java.lang.String,%20java.rmi.MarshalledObject,%20boolean,%20int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))([String](http://docs.google.com/java/lang/String.html) location, [MarshalledObject](http://docs.google.com/java/rmi/MarshalledObject.html)<?> data, boolean restart, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Constructs an activatable remote object by registering an activation descriptor (with the specified location, data, and restart mode) for this object, and exporting the object with the specified port, and specified client and server socket factories. |
| [**ActivationGroup**](http://docs.google.com/java/rmi/activation/ActivationGroup.html#ActivationGroup(java.rmi.activation.ActivationGroupID))([ActivationGroupID](http://docs.google.com/java/rmi/activation/ActivationGroupID.html) groupID)            Constructs an activation group with the given activation group identifier. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.dgc](http://docs.google.com/java/rmi/dgc/package-summary.html) | |
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| Methods in [java.rmi.dgc](http://docs.google.com/java/rmi/dgc/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| void | **DGC.**[**clean**](http://docs.google.com/java/rmi/dgc/DGC.html#clean(java.rmi.server.ObjID%5B%5D,%20long,%20java.rmi.dgc.VMID,%20boolean))([ObjID](http://docs.google.com/java/rmi/server/ObjID.html)[] ids, long sequenceNum, [VMID](http://docs.google.com/java/rmi/dgc/VMID.html) vmid, boolean strong)            The clean call removes the 'vmid' from the reference list of each remote object indicated in 'id's. |
| [Lease](http://docs.google.com/java/rmi/dgc/Lease.html) | **DGC.**[**dirty**](http://docs.google.com/java/rmi/dgc/DGC.html#dirty(java.rmi.server.ObjID%5B%5D,%20long,%20java.rmi.dgc.Lease))([ObjID](http://docs.google.com/java/rmi/server/ObjID.html)[] ids, long sequenceNum, [Lease](http://docs.google.com/java/rmi/dgc/Lease.html) lease)            The dirty call requests leases for the remote object references associated with the object identifiers contained in the array 'ids'. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.registry](http://docs.google.com/java/rmi/registry/package-summary.html) | |
| --- | --- |

| Methods in [java.rmi.registry](http://docs.google.com/java/rmi/registry/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| void | **Registry.**[**bind**](http://docs.google.com/java/rmi/registry/Registry.html#bind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Binds a remote reference to the specified name in this registry. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**createRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#createRegistry(int))(int port)            Creates and exports a Registry instance on the local host that accepts requests on the specified port. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**createRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#createRegistry(int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))(int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Creates and exports a Registry instance on the local host that uses custom socket factories for communication with that instance. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**getRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#getRegistry())()            Returns a reference to the the remote object Registry for the local host on the default registry port of 1099. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**getRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#getRegistry(int))(int port)            Returns a reference to the the remote object Registry for the local host on the specified port. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**getRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#getRegistry(java.lang.String))([String](http://docs.google.com/java/lang/String.html) host)            Returns a reference to the remote object Registry on the specified host on the default registry port of 1099. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**getRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#getRegistry(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Returns a reference to the remote object Registry on the specified host and port. |
| static [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **LocateRegistry.**[**getRegistry**](http://docs.google.com/java/rmi/registry/LocateRegistry.html#getRegistry(java.lang.String,%20int,%20java.rmi.server.RMIClientSocketFactory))([String](http://docs.google.com/java/lang/String.html) host, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf)            Returns a locally created remote reference to the remote object Registry on the specified host and port. |
| [String](http://docs.google.com/java/lang/String.html)[] | **Registry.**[**list**](http://docs.google.com/java/rmi/registry/Registry.html#list())()            Returns an array of the names bound in this registry. |
| [Remote](http://docs.google.com/java/rmi/Remote.html) | **Registry.**[**lookup**](http://docs.google.com/java/rmi/registry/Registry.html#lookup(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns the remote reference bound to the specified name in this registry. |
| void | **Registry.**[**rebind**](http://docs.google.com/java/rmi/registry/Registry.html#rebind(java.lang.String,%20java.rmi.Remote))([String](http://docs.google.com/java/lang/String.html) name, [Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Replaces the binding for the specified name in this registry with the supplied remote reference. |
| [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **RegistryHandler.**[**registryImpl**](http://docs.google.com/java/rmi/registry/RegistryHandler.html#registryImpl(int))(int port)  **Deprecated.** *no replacement. As of the Java 2 platform v1.2, RMI no longer uses the RegistryHandler to obtain the registry's implementation.* |
| [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **RegistryHandler.**[**registryStub**](http://docs.google.com/java/rmi/registry/RegistryHandler.html#registryStub(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)  **Deprecated.** *no replacement. As of the Java 2 platform v1.2, RMI no longer uses the RegistryHandler to obtain the registry's stub.* |
| void | **Registry.**[**unbind**](http://docs.google.com/java/rmi/registry/Registry.html#unbind(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Removes the binding for the specified name in this registry. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
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| Subclasses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
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| class | [**ExportException**](http://docs.google.com/java/rmi/server/ExportException.html)            An ExportException is a RemoteException thrown if an attempt to export a remote object fails. |
| class | [**SkeletonMismatchException**](http://docs.google.com/java/rmi/server/SkeletonMismatchException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SkeletonNotFoundException**](http://docs.google.com/java/rmi/server/SkeletonNotFoundException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SocketSecurityException**](http://docs.google.com/java/rmi/server/SocketSecurityException.html)            An obsolete subclass of [ExportException](http://docs.google.com/java/rmi/server/ExportException.html). |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| void | **RemoteRef.**[**done**](http://docs.google.com/java/rmi/server/RemoteRef.html#done(java.rmi.server.RemoteCall))([RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) call)  **Deprecated.** *1.2 style stubs no longer use this method. Instead of using a sequence of method calls to the remote reference (newCall, invoke, and done), a stub uses a single method, invoke(Remote, Method, Object[], int), on the remote reference to carry out parameter marshalling, remote method executing and unmarshalling of the return value.* |
| static [RemoteStub](http://docs.google.com/java/rmi/server/RemoteStub.html) | **UnicastRemoteObject.**[**exportObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#exportObject(java.rmi.Remote))([Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Exports the remote object to make it available to receive incoming calls using an anonymous port. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **UnicastRemoteObject.**[**exportObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#exportObject(java.rmi.Remote,%20int))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, int port)            Exports the remote object to make it available to receive incoming calls, using the particular supplied port. |
| static [Remote](http://docs.google.com/java/rmi/Remote.html) | **UnicastRemoteObject.**[**exportObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#exportObject(java.rmi.Remote,%20int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Exports the remote object to make it available to receive incoming calls, using a transport specified by the given socket factory. |
| [RemoteStub](http://docs.google.com/java/rmi/server/RemoteStub.html) | **ServerRef.**[**exportObject**](http://docs.google.com/java/rmi/server/ServerRef.html#exportObject(java.rmi.Remote,%20java.lang.Object))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [Object](http://docs.google.com/java/lang/Object.html) data)            Creates a client stub object for the supplied Remote object. |
| [RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) | **RemoteRef.**[**newCall**](http://docs.google.com/java/rmi/server/RemoteRef.html#newCall(java.rmi.server.RemoteObject,%20java.rmi.server.Operation%5B%5D,%20int,%20long))([RemoteObject](http://docs.google.com/java/rmi/server/RemoteObject.html) obj, [Operation](http://docs.google.com/java/rmi/server/Operation.html)[] op, int opnum, long hash)  **Deprecated.** *1.2 style stubs no longer use this method. Instead of using a sequence of method calls on the stub's the remote reference (newCall, invoke, and done), a stub uses a single method, invoke(Remote, Method, Object[], int), on the remote reference to carry out parameter marshalling, remote method executing and unmarshalling of the return value.* |

| Constructors in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [**UnicastRemoteObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#UnicastRemoteObject())()            Creates and exports a new UnicastRemoteObject object using an anonymous port. |
| [**UnicastRemoteObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#UnicastRemoteObject(int))(int port)            Creates and exports a new UnicastRemoteObject object using the particular supplied port. |
| [**UnicastRemoteObject**](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html#UnicastRemoteObject(int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory))(int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf)            Creates and exports a new UnicastRemoteObject object using the particular supplied port and socket factories. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.activity](http://docs.google.com/javax/activity/package-summary.html) | |
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| Subclasses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.activity](http://docs.google.com/javax/activity/package-summary.html) | |
| --- | --- |
| class | [**ActivityCompletedException**](http://docs.google.com/javax/activity/ActivityCompletedException.html)            This exception may be thrown on any method for which Activity context is accessed and indicates that ongoing work within the Activity is not possible. |
| class | [**ActivityRequiredException**](http://docs.google.com/javax/activity/ActivityRequiredException.html)            This exception is thrown by a container if Activity context is not received on a method for which Activity context is mandatory. |
| class | [**InvalidActivityException**](http://docs.google.com/javax/activity/InvalidActivityException.html)            This exception may be thrown on any method for which Activity context is accessed and indicates that the attempted invocation or the Activity context associated with the attempted invocation is incompatible with the Activity's current state. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) | |
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| Methods in [javax.management.remote.rmi](http://docs.google.com/javax/management/remote/rmi/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | **RMIServerImpl\_Stub.**[**getVersion**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl_Stub.html#getVersion())() |
| [String](http://docs.google.com/java/lang/String.html) | **RMIServer.**[**getVersion**](http://docs.google.com/javax/management/remote/rmi/RMIServer.html#getVersion())()            The version of the RMI Connector Protocol understood by this connector server. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.rmi](http://docs.google.com/javax/rmi/package-summary.html) | |
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| Methods in [javax.rmi](http://docs.google.com/javax/rmi/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| static void | **PortableRemoteObject.**[**connect**](http://docs.google.com/javax/rmi/PortableRemoteObject.html#connect(java.rmi.Remote,%20java.rmi.Remote))([Remote](http://docs.google.com/java/rmi/Remote.html) target, [Remote](http://docs.google.com/java/rmi/Remote.html) source)            Makes a Remote object ready for remote communication. |
| static void | **PortableRemoteObject.**[**exportObject**](http://docs.google.com/javax/rmi/PortableRemoteObject.html#exportObject(java.rmi.Remote))([Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Makes a server object ready to receive remote calls. |

| Constructors in [javax.rmi](http://docs.google.com/javax/rmi/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [**PortableRemoteObject**](http://docs.google.com/javax/rmi/PortableRemoteObject.html#PortableRemoteObject())()            Initializes the object by calling exportObject(this). |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) | |
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| Methods in [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) that return [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **UtilDelegate.**[**mapSystemException**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#mapSystemException(org.omg.CORBA.SystemException))([SystemException](http://docs.google.com/org/omg/CORBA/SystemException.html) ex)            Delegation call for [Util.mapSystemException(org.omg.CORBA.SystemException)](http://docs.google.com/javax/rmi/CORBA/Util.html#mapSystemException(org.omg.CORBA.SystemException)). |
| static [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **Util.**[**mapSystemException**](http://docs.google.com/javax/rmi/CORBA/Util.html#mapSystemException(org.omg.CORBA.SystemException))([SystemException](http://docs.google.com/org/omg/CORBA/SystemException.html) ex)            Maps a SystemException to a RemoteException. |
| [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **UtilDelegate.**[**wrapException**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#wrapException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) obj)            Delegation call for [Util.wrapException(java.lang.Throwable)](http://docs.google.com/javax/rmi/CORBA/Util.html#wrapException(java.lang.Throwable)). |
| static [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | **Util.**[**wrapException**](http://docs.google.com/javax/rmi/CORBA/Util.html#wrapException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) orig)            Wraps an exception thrown by an implementation method. |

| Methods in [javax.rmi.CORBA](http://docs.google.com/javax/rmi/CORBA/package-summary.html) that throw [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) | |
| --- | --- |
| void | **Stub.**[**connect**](http://docs.google.com/javax/rmi/CORBA/Stub.html#connect(org.omg.CORBA.ORB))([ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Connects this stub to an ORB. |
| void | **PortableRemoteObjectDelegate.**[**connect**](http://docs.google.com/javax/rmi/CORBA/PortableRemoteObjectDelegate.html#connect(java.rmi.Remote,%20java.rmi.Remote))([Remote](http://docs.google.com/java/rmi/Remote.html) target, [Remote](http://docs.google.com/java/rmi/Remote.html) source)            Delegation call for [PortableRemoteObject.connect(java.rmi.Remote, java.rmi.Remote)](http://docs.google.com/javax/rmi/PortableRemoteObject.html#connect(java.rmi.Remote,%20java.rmi.Remote)). |
| void | **StubDelegate.**[**connect**](http://docs.google.com/javax/rmi/CORBA/StubDelegate.html#connect(javax.rmi.CORBA.Stub,%20org.omg.CORBA.ORB))([Stub](http://docs.google.com/javax/rmi/CORBA/Stub.html) self, [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Delegation call for [Stub.connect(org.omg.CORBA.ORB)](http://docs.google.com/javax/rmi/CORBA/Stub.html#connect(org.omg.CORBA.ORB)). |
| [Object](http://docs.google.com/java/lang/Object.html) | **UtilDelegate.**[**copyObject**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#copyObject(java.lang.Object,%20org.omg.CORBA.ORB))([Object](http://docs.google.com/java/lang/Object.html) obj, [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Delegation call for [Util.copyObject(java.lang.Object, org.omg.CORBA.ORB)](http://docs.google.com/javax/rmi/CORBA/Util.html#copyObject(java.lang.Object,%20org.omg.CORBA.ORB)). |
| static [Object](http://docs.google.com/java/lang/Object.html) | **Util.**[**copyObject**](http://docs.google.com/javax/rmi/CORBA/Util.html#copyObject(java.lang.Object,%20org.omg.CORBA.ORB))([Object](http://docs.google.com/java/lang/Object.html) obj, [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Copies or connects an object. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | **UtilDelegate.**[**copyObjects**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#copyObjects(java.lang.Object%5B%5D,%20org.omg.CORBA.ORB))([Object](http://docs.google.com/java/lang/Object.html)[] obj, [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Delegation call for [Util.copyObjects(java.lang.Object[], org.omg.CORBA.ORB)](http://docs.google.com/javax/rmi/CORBA/Util.html#copyObjects(java.lang.Object%5B%5D,%20org.omg.CORBA.ORB)). |
| static [Object](http://docs.google.com/java/lang/Object.html)[] | **Util.**[**copyObjects**](http://docs.google.com/javax/rmi/CORBA/Util.html#copyObjects(java.lang.Object%5B%5D,%20org.omg.CORBA.ORB))([Object](http://docs.google.com/java/lang/Object.html)[] obj, [ORB](http://docs.google.com/org/omg/CORBA/ORB.html) orb)            Copies or connects an array of objects. |
| void | **PortableRemoteObjectDelegate.**[**exportObject**](http://docs.google.com/javax/rmi/CORBA/PortableRemoteObjectDelegate.html#exportObject(java.rmi.Remote))([Remote](http://docs.google.com/java/rmi/Remote.html) obj)            Delegation call for [PortableRemoteObject.exportObject(java.rmi.Remote)](http://docs.google.com/javax/rmi/PortableRemoteObject.html#exportObject(java.rmi.Remote)). |
| boolean | **UtilDelegate.**[**isLocal**](http://docs.google.com/javax/rmi/CORBA/UtilDelegate.html#isLocal(javax.rmi.CORBA.Stub))([Stub](http://docs.google.com/javax/rmi/CORBA/Stub.html) stub)            Delegation call for [Util.isLocal(javax.rmi.CORBA.Stub)](http://docs.google.com/javax/rmi/CORBA/Util.html#isLocal(javax.rmi.CORBA.Stub)). |
| static boolean | **Util.**[**isLocal**](http://docs.google.com/javax/rmi/CORBA/Util.html#isLocal(javax.rmi.CORBA.Stub))([Stub](http://docs.google.com/javax/rmi/CORBA/Stub.html) stub)            The isLocal method has the same semantics as the ObjectImpl.\_is\_local method, except that it can throw a RemoteException. |

| Uses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.transaction](http://docs.google.com/javax/transaction/package-summary.html) | |
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| Subclasses of [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) in [javax.transaction](http://docs.google.com/javax/transaction/package-summary.html) | |
| --- | --- |
| class | [**InvalidTransactionException**](http://docs.google.com/javax/transaction/InvalidTransactionException.html)            This exception indicates that the request carried an invalid transaction context. |
| class | [**TransactionRequiredException**](http://docs.google.com/javax/transaction/TransactionRequiredException.html)            This exception indicates that a request carried a null transaction context, but the target object requires an activate transaction. |
| class | [**TransactionRolledbackException**](http://docs.google.com/javax/transaction/TransactionRolledbackException.html)            This exception indicates that the transaction associated with processing of the request has been rolled back, or marked to roll back. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/rmi/RemoteException.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/rmi//class-useRemoteException.html)    [**NO FRAMES**](http://docs.google.com/RemoteException.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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