| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RemoteException.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/java/rmi/Remote.html)   [**NEXT CLASS**](http://docs.google.com/java/rmi/RMISecurityException.html) | [**FRAMES**](http://docs.google.com/index.html?java/rmi/RemoteException.html)    [**NO FRAMES**](http://docs.google.com/RemoteException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#17dp8vu) | [METHOD](#35nkun2) |

## **java.rmi**

Class RemoteException

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Throwable](http://docs.google.com/java/lang/Throwable.html)  
 [java.lang.Exception](http://docs.google.com/java/lang/Exception.html)  
 [java.io.IOException](http://docs.google.com/java/io/IOException.html)  
 **java.rmi.RemoteException**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [AccessException](http://docs.google.com/java/rmi/AccessException.html), [ActivateFailedException](http://docs.google.com/java/rmi/activation/ActivateFailedException.html), [ActivityCompletedException](http://docs.google.com/javax/activity/ActivityCompletedException.html), [ActivityRequiredException](http://docs.google.com/javax/activity/ActivityRequiredException.html), [ConnectException](http://docs.google.com/java/rmi/ConnectException.html), [ConnectIOException](http://docs.google.com/java/rmi/ConnectIOException.html), [ExportException](http://docs.google.com/java/rmi/server/ExportException.html), [InvalidActivityException](http://docs.google.com/javax/activity/InvalidActivityException.html), [InvalidTransactionException](http://docs.google.com/javax/transaction/InvalidTransactionException.html), [MarshalException](http://docs.google.com/java/rmi/MarshalException.html), [NoSuchObjectException](http://docs.google.com/java/rmi/NoSuchObjectException.html), [ServerError](http://docs.google.com/java/rmi/ServerError.html), [ServerException](http://docs.google.com/java/rmi/ServerException.html), [ServerRuntimeException](http://docs.google.com/java/rmi/ServerRuntimeException.html), [SkeletonMismatchException](http://docs.google.com/java/rmi/server/SkeletonMismatchException.html), [SkeletonNotFoundException](http://docs.google.com/java/rmi/server/SkeletonNotFoundException.html), [StubNotFoundException](http://docs.google.com/java/rmi/StubNotFoundException.html), [TransactionRequiredException](http://docs.google.com/javax/transaction/TransactionRequiredException.html), [TransactionRolledbackException](http://docs.google.com/javax/transaction/TransactionRolledbackException.html), [UnexpectedException](http://docs.google.com/java/rmi/UnexpectedException.html), [UnknownHostException](http://docs.google.com/java/rmi/UnknownHostException.html), [UnmarshalException](http://docs.google.com/java/rmi/UnmarshalException.html)

public class **RemoteException**extends [IOException](http://docs.google.com/java/io/IOException.html)

A RemoteException is the common superclass for a number of communication-related exceptions that may occur during the execution of a remote method call. Each method of a remote interface, an interface that extends java.rmi.Remote, must list RemoteException in its throws clause.

As of release 1.4, this exception has been retrofitted to conform to the general purpose exception-chaining mechanism. The "wrapped remote exception" that may be provided at construction time and accessed via the public [detail](http://docs.google.com/java/rmi/RemoteException.html#detail) field is now known as the *cause*, and may be accessed via the [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method, as well as the aforementioned "legacy field."

Invoking the method [Throwable.initCause(Throwable)](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)) on an instance of RemoteException always throws [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html).

**Since:** JDK1.1 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.rmi.RemoteException)

| **Field Summary** | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**detail**](http://docs.google.com/java/rmi/RemoteException.html#detail)            The cause of the remote exception. |

| **Constructor Summary** | |
| --- | --- |
| [**RemoteException**](http://docs.google.com/java/rmi/RemoteException.html#RemoteException())()            Constructs a RemoteException. |
| [**RemoteException**](http://docs.google.com/java/rmi/RemoteException.html#RemoteException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)            Constructs a RemoteException with the specified detail message. |
| [**RemoteException**](http://docs.google.com/java/rmi/RemoteException.html#RemoteException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) s, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs a RemoteException with the specified detail message and cause. |

| **Method Summary** | |
| --- | --- |
| [Throwable](http://docs.google.com/java/lang/Throwable.html) | [**getCause**](http://docs.google.com/java/rmi/RemoteException.html#getCause())()            Returns the cause of this exception. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMessage**](http://docs.google.com/java/rmi/RemoteException.html#getMessage())()            Returns the detail message, including the message from the cause, if any, of this exception. |

| **Methods inherited from class java.lang.**[**Throwable**](http://docs.google.com/java/lang/Throwable.html) |
| --- |
| [fillInStackTrace](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [initCause](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)), [toString](http://docs.google.com/java/lang/Throwable.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### detail

public [Throwable](http://docs.google.com/java/lang/Throwable.html) **detail**

The cause of the remote exception.

This field predates the general-purpose exception chaining facility. The [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method is now the preferred means of obtaining this information.

| **Constructor Detail** |
| --- |

### RemoteException

public **RemoteException**()

Constructs a RemoteException.

### RemoteException

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

Constructs a RemoteException with the specified detail message.

**Parameters:**s - the detail message

### RemoteException

public **RemoteException**([String](http://docs.google.com/java/lang/String.html) s,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs a RemoteException with the specified detail message and cause. This constructor sets the [detail](http://docs.google.com/java/rmi/RemoteException.html#detail) field to the specified Throwable.

**Parameters:**s - the detail messagecause - the cause

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

### getMessage

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

Returns the detail message, including the message from the cause, if any, of this exception.

**Overrides:**[getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**the detail message

### getCause

public [Throwable](http://docs.google.com/java/lang/Throwable.html) **getCause**()

Returns the cause of this exception. This method returns the value of the [detail](http://docs.google.com/java/rmi/RemoteException.html#detail) field.

**Overrides:**[getCause](http://docs.google.com/java/lang/Throwable.html#getCause()) in class [Throwable](http://docs.google.com/java/lang/Throwable.html) **Returns:**the cause, which may be null.**Since:** 1.4

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RemoteException.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*** |
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[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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