| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RemoteServer.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/server/RemoteRef.html)   [**NEXT CLASS**](http://docs.google.com/java/rmi/server/RemoteStub.html) | [**FRAMES**](http://docs.google.com/index.html?java/rmi/server/RemoteServer.html)    [**NO FRAMES**](http://docs.google.com/RemoteServer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **java.rmi.server**

Class RemoteServer

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.rmi.server.RemoteObject](http://docs.google.com/java/rmi/server/RemoteObject.html)  
 **java.rmi.server.RemoteServer**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Remote](http://docs.google.com/java/rmi/Remote.html) **Direct Known Subclasses:** [Activatable](http://docs.google.com/java/rmi/activation/Activatable.html), [UnicastRemoteObject](http://docs.google.com/java/rmi/server/UnicastRemoteObject.html)

public abstract class **RemoteServer**extends [RemoteObject](http://docs.google.com/java/rmi/server/RemoteObject.html)

The RemoteServer class is the common superclass to server implementations and provides the framework to support a wide range of remote reference semantics. Specifically, the functions needed to create and export remote objects (i.e. to make them remotely available) are provided abstractly by RemoteServer and concretely by its subclass(es).

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

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.rmi.server.**[**RemoteObject**](http://docs.google.com/java/rmi/server/RemoteObject.html) |
| --- |
| [ref](http://docs.google.com/java/rmi/server/RemoteObject.html#ref) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**RemoteServer**](http://docs.google.com/java/rmi/server/RemoteServer.html#RemoteServer())()            Constructs a RemoteServer. |
| protected | [**RemoteServer**](http://docs.google.com/java/rmi/server/RemoteServer.html#RemoteServer(java.rmi.server.RemoteRef))([RemoteRef](http://docs.google.com/java/rmi/server/RemoteRef.html) ref)            Constructs a RemoteServer with the given reference type. |

| **Method Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**getClientHost**](http://docs.google.com/java/rmi/server/RemoteServer.html#getClientHost())()            Returns a string representation of the client host for the remote method invocation being processed in the current thread. |
| static [PrintStream](http://docs.google.com/java/io/PrintStream.html) | [**getLog**](http://docs.google.com/java/rmi/server/RemoteServer.html#getLog())()            Returns stream for the RMI call log. |
| static void | [**setLog**](http://docs.google.com/java/rmi/server/RemoteServer.html#setLog(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Log RMI calls to the output stream out. |

| **Methods inherited from class java.rmi.server.**[**RemoteObject**](http://docs.google.com/java/rmi/server/RemoteObject.html) |
| --- |
| [equals](http://docs.google.com/java/rmi/server/RemoteObject.html#equals(java.lang.Object)), [getRef](http://docs.google.com/java/rmi/server/RemoteObject.html#getRef()), [hashCode](http://docs.google.com/java/rmi/server/RemoteObject.html#hashCode()), [toString](http://docs.google.com/java/rmi/server/RemoteObject.html#toString()), [toStub](http://docs.google.com/java/rmi/server/RemoteObject.html#toStub(java.rmi.Remote)) |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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)) |

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

### RemoteServer

protected **RemoteServer**()

Constructs a RemoteServer.

**Since:** JDK1.1

### RemoteServer

protected **RemoteServer**([RemoteRef](http://docs.google.com/java/rmi/server/RemoteRef.html) ref)

Constructs a RemoteServer with the given reference type.

**Parameters:**ref - the remote reference**Since:** JDK1.1

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

### getClientHost

public static [String](http://docs.google.com/java/lang/String.html) **getClientHost**()  
 throws [ServerNotActiveException](http://docs.google.com/java/rmi/server/ServerNotActiveException.html)

Returns a string representation of the client host for the remote method invocation being processed in the current thread.

**Returns:**a string representation of the client host **Throws:** [ServerNotActiveException](http://docs.google.com/java/rmi/server/ServerNotActiveException.html) - if no remote method invocation is being processed in the current thread**Since:** JDK1.1

### setLog

public static void **setLog**([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)

Log RMI calls to the output stream out. If out is null, call logging is turned off.

If there is a security manager, its checkPermission method will be invoked with a java.util.logging.LoggingPermission("control") permission; this could result in a SecurityException.

**Parameters:**out - the output stream to which RMI calls should be logged **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if there is a security manager and the invocation of its checkPermission method fails**Since:** JDK1.1 **See Also:**[getLog()](http://docs.google.com/java/rmi/server/RemoteServer.html#getLog())

### getLog

public static [PrintStream](http://docs.google.com/java/io/PrintStream.html) **getLog**()

Returns stream for the RMI call log.

**Returns:**the call log**Since:** JDK1.1 **See Also:**[setLog(java.io.OutputStream)](http://docs.google.com/java/rmi/server/RemoteServer.html#setLog(java.io.OutputStream))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RemoteServer.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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| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

[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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