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

## **java.rmi.server**

Interface ServerRef

**All Superinterfaces:** [Externalizable](http://docs.google.com/java/io/Externalizable.html), [RemoteRef](http://docs.google.com/java/rmi/server/RemoteRef.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

public interface **ServerRef**extends [RemoteRef](http://docs.google.com/java/rmi/server/RemoteRef.html)

A ServerRef represents the server-side handle for a remote object implementation.

**Since:** JDK1.1

| **Field Summary** | |
| --- | --- |
| static long | [**serialVersionUID**](http://docs.google.com/java/rmi/server/ServerRef.html#serialVersionUID)            indicate compatibility with JDK 1.1.x version of class. |

| **Fields inherited from interface java.rmi.server.**[**RemoteRef**](http://docs.google.com/java/rmi/server/RemoteRef.html) |
| --- |
| [packagePrefix](http://docs.google.com/java/rmi/server/RemoteRef.html#packagePrefix) |

| **Method Summary** | |
| --- | --- |
| [RemoteStub](http://docs.google.com/java/rmi/server/RemoteStub.html) | [**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. |
| [String](http://docs.google.com/java/lang/String.html) | [**getClientHost**](http://docs.google.com/java/rmi/server/ServerRef.html#getClientHost())()            Returns the hostname of the current client. |

| **Methods inherited from interface java.rmi.server.**[**RemoteRef**](http://docs.google.com/java/rmi/server/RemoteRef.html) |
| --- |
| [done](http://docs.google.com/java/rmi/server/RemoteRef.html#done(java.rmi.server.RemoteCall)), [getRefClass](http://docs.google.com/java/rmi/server/RemoteRef.html#getRefClass(java.io.ObjectOutput)), [invoke](http://docs.google.com/java/rmi/server/RemoteRef.html#invoke(java.rmi.server.RemoteCall)), [invoke](http://docs.google.com/java/rmi/server/RemoteRef.html#invoke(java.rmi.Remote,%20java.lang.reflect.Method,%20java.lang.Object%5B%5D,%20long)), [newCall](http://docs.google.com/java/rmi/server/RemoteRef.html#newCall(java.rmi.server.RemoteObject,%20java.rmi.server.Operation%5B%5D,%20int,%20long)), [remoteEquals](http://docs.google.com/java/rmi/server/RemoteRef.html#remoteEquals(java.rmi.server.RemoteRef)), [remoteHashCode](http://docs.google.com/java/rmi/server/RemoteRef.html#remoteHashCode()), [remoteToString](http://docs.google.com/java/rmi/server/RemoteRef.html#remoteToString()) |

| **Methods inherited from interface java.io.**[**Externalizable**](http://docs.google.com/java/io/Externalizable.html) |
| --- |
| [readExternal](http://docs.google.com/java/io/Externalizable.html#readExternal(java.io.ObjectInput)), [writeExternal](http://docs.google.com/java/io/Externalizable.html#writeExternal(java.io.ObjectOutput)) |

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

### serialVersionUID

static final long **serialVersionUID**

indicate compatibility with JDK 1.1.x version of class.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.rmi.server.ServerRef.serialVersionUID)

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

### exportObject

[RemoteStub](http://docs.google.com/java/rmi/server/RemoteStub.html) **exportObject**([Remote](http://docs.google.com/java/rmi/Remote.html) obj,  
 [Object](http://docs.google.com/java/lang/Object.html) data)  
 throws [RemoteException](http://docs.google.com/java/rmi/RemoteException.html)

Creates a client stub object for the supplied Remote object. If the call completes successfully, the remote object should be able to accept incoming calls from clients.

**Parameters:**obj - the remote object implementationdata - information necessary to export the object **Returns:**the stub for the remote object **Throws:** [RemoteException](http://docs.google.com/java/rmi/RemoteException.html) - if an exception occurs attempting to export the object (e.g., stub class could not be found)**Since:** JDK1.1

### getClientHost

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

Returns the hostname of the current client. When called from a thread actively handling a remote method invocation the hostname of the client is returned.

**Returns:**the client's host name **Throws:** [ServerNotActiveException](http://docs.google.com/java/rmi/server/ServerNotActiveException.html) - if called outside of servicing a remote method invocation**Since:** JDK1.1

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ServerRef.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](#3znysh7) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | CONSTR | [METHOD](#17dp8vu) |

[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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