| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RMIJRMPServerImpl.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/javax/management/remote/rmi/RMIIIOPServerImpl.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/remote/rmi/RMIJRMPServerImpl.html)    [**NO FRAMES**](http://docs.google.com/RMIJRMPServerImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **javax.management.remote.rmi**

Class RMIJRMPServerImpl

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.management.remote.rmi.RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html)  
 **javax.management.remote.rmi.RMIJRMPServerImpl**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html), [Remote](http://docs.google.com/java/rmi/Remote.html), [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html)

public class **RMIJRMPServerImpl**extends [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html)

An [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object that is exported through JRMP and that creates client connections as RMI objects exported through JRMP. User code does not usually reference this class directly.

**Since:** 1.5 **See Also:**[RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html)

| **Constructor Summary** | |
| --- | --- |
| [**RMIJRMPServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#RMIJRMPServerImpl(int,%20java.rmi.server.RMIClientSocketFactory,%20java.rmi.server.RMIServerSocketFactory,%20java.util.Map))(int port, [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf, [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)            Creates a new [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object that will be exported on the given port using the given socket factories. |

| **Method Summary** | |
| --- | --- |
| protected  void | [**closeClient**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#closeClient(javax.management.remote.rmi.RMIConnection))([RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) client)            Closes a client connection made by [makeClient](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#makeClient(java.lang.String,%20javax.security.auth.Subject)). |
| protected  void | [**closeServer**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#closeServer())()            Called by [RMIServerImpl.close()](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#close()) to close the connector server by unexporting this object. |
| protected  void | [**export**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#export())()            Exports this RMI object. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getProtocol**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#getProtocol())()            Returns the protocol string for this object. |
| protected  [RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) | [**makeClient**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#makeClient(java.lang.String,%20javax.security.auth.Subject))([String](http://docs.google.com/java/lang/String.html) connectionId, [Subject](http://docs.google.com/javax/security/auth/Subject.html) subject)            Creates a new client connection as an RMI object exported through JRMP. |
| [Remote](http://docs.google.com/java/rmi/Remote.html) | [**toStub**](http://docs.google.com/javax/management/remote/rmi/RMIJRMPServerImpl.html#toStub())()            Returns a serializable stub for this [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object. |

| **Methods inherited from class javax.management.remote.rmi.**[**RMIServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) |
| --- |
| [clientClosed](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#clientClosed(javax.management.remote.rmi.RMIConnection)), [close](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#close()), [getDefaultClassLoader](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#getDefaultClassLoader()), [getMBeanServer](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#getMBeanServer()), [getVersion](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#getVersion()), [newClient](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#newClient(java.lang.Object)), [setDefaultClassLoader](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#setDefaultClassLoader(java.lang.ClassLoader)), [setMBeanServer](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#setMBeanServer(javax.management.MBeanServer)) |

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

### RMIJRMPServerImpl

public **RMIJRMPServerImpl**(int port,  
 [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) csf,  
 [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) ssf,  
 [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> env)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a new [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object that will be exported on the given port using the given socket factories.

**Parameters:**port - the port on which this object and the [RMIConnectionImpl](http://docs.google.com/javax/management/remote/rmi/RMIConnectionImpl.html) objects it creates will be exported. Can be zero, to indicate any available port.csf - the client socket factory for the created RMI objects. Can be null.ssf - the server socket factory for the created RMI objects. Can be null.env - the environment map. Can be null. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object cannot be created. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if port is negative.

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

### export

protected void **export**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from class:** [**RMIServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#export())

Exports this RMI object.

**Specified by:**[export](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#export()) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if this RMI object cannot be exported.

### getProtocol

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

**Description copied from class:** [**RMIServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#getProtocol())

Returns the protocol string for this object. The string is rmi for RMI/JRMP and iiop for RMI/IIOP.

**Specified by:**[getProtocol](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#getProtocol()) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Returns:**the protocol string for this object.

### toStub

public [Remote](http://docs.google.com/java/rmi/Remote.html) **toStub**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Returns a serializable stub for this [RMIServer](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) object.

**Specified by:**[toStub](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#toStub()) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Returns:**a serializable stub. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the stub cannot be obtained - e.g the RMIJRMPServerImpl has not been exported yet.

### makeClient

protected [RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) **makeClient**([String](http://docs.google.com/java/lang/String.html) connectionId,  
 [Subject](http://docs.google.com/javax/security/auth/Subject.html) subject)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a new client connection as an RMI object exported through JRMP. The port and socket factories for the new [RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) object are the ones supplied to the RMIJRMPServerImpl constructor.

**Specified by:**[makeClient](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#makeClient(java.lang.String,%20javax.security.auth.Subject)) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Parameters:**connectionId - the ID of the new connection. Every connection opened by this connector server will have a different id. The behavior is unspecified if this parameter is null.subject - the authenticated subject. Can be null. **Returns:**the newly-created RMIConnection. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the new [RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) object cannot be created or exported.

### closeClient

protected void **closeClient**([RMIConnection](http://docs.google.com/javax/management/remote/rmi/RMIConnection.html) client)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

**Description copied from class:** [**RMIServerImpl**](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#closeClient(javax.management.remote.rmi.RMIConnection))

Closes a client connection made by [makeClient](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#makeClient(java.lang.String,%20javax.security.auth.Subject)).

**Specified by:**[closeClient](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#closeClient(javax.management.remote.rmi.RMIConnection)) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Parameters:**client - a connection previously returned by makeClient on which the closeClient method has not previously been called. The behavior is unspecified if these conditions are violated, including the case where client is null. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the client connection cannot be closed.

### closeServer

protected void **closeServer**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Called by [RMIServerImpl.close()](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#close()) to close the connector server by unexporting this object. After returning from this method, the connector server must not accept any new connections.

**Specified by:**[closeServer](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html#closeServer()) in class [RMIServerImpl](http://docs.google.com/javax/management/remote/rmi/RMIServerImpl.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the attempt to close the connector server failed.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RMIJRMPServerImpl.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/javax/management/remote/rmi/RMIIIOPServerImpl.html)   [**NEXT CLASS**](http://docs.google.com/javax/management/remote/rmi/RMIServer.html) | [**FRAMES**](http://docs.google.com/index.html?javax/management/remote/rmi/RMIJRMPServerImpl.html)    [**NO FRAMES**](http://docs.google.com/RMIJRMPServerImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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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