| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SslRMIServerSocketFactory.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/rmi/ssl/SslRMIClientSocketFactory.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/rmi/ssl/SslRMIServerSocketFactory.html)    [**NO FRAMES**](http://docs.google.com/SslRMIServerSocketFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **javax.rmi.ssl**

Class SslRMIServerSocketFactory

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.rmi.ssl.SslRMIServerSocketFactory**

**All Implemented Interfaces:** [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html)

public class **SslRMIServerSocketFactory**extends [Object](http://docs.google.com/java/lang/Object.html)implements [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html)

An SslRMIServerSocketFactory instance is used by the RMI runtime in order to obtain server sockets for RMI calls via SSL.

This class implements RMIServerSocketFactory over the Secure Sockets Layer (SSL) or Transport Layer Security (TLS) protocols.

This class creates SSL sockets using the default SSLSocketFactory (see [SSLSocketFactory.getDefault()](http://docs.google.com/javax/net/ssl/SSLSocketFactory.html#getDefault())) or the default SSLServerSocketFactory (see [SSLServerSocketFactory.getDefault()](http://docs.google.com/javax/net/ssl/SSLServerSocketFactory.html#getDefault())). Therefore, all instances of this class share the same keystore, and the same truststore, when client authentication is required by the server. This behavior can be modified in subclasses by overriding the [createServerSocket(int)](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#createServerSocket(int)) method; in that case, [equals](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#equals(java.lang.Object)) and [hashCode](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#hashCode()) may also need to be overridden.

**Since:** 1.5 **See Also:**[SSLSocketFactory](http://docs.google.com/javax/net/ssl/SSLSocketFactory.html), [SSLServerSocketFactory](http://docs.google.com/javax/net/ssl/SSLServerSocketFactory.html), [SslRMIClientSocketFactory](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html)

| **Constructor Summary** | |
| --- | --- |
| [**SslRMIServerSocketFactory**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#SslRMIServerSocketFactory())()            Creates a new SslRMIServerSocketFactory with the default SSL socket configuration. |
| [**SslRMIServerSocketFactory**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#SslRMIServerSocketFactory(java.lang.String%5B%5D,%20java.lang.String%5B%5D,%20boolean))([String](http://docs.google.com/java/lang/String.html)[] enabledCipherSuites, [String](http://docs.google.com/java/lang/String.html)[] enabledProtocols, boolean needClientAuth)            Creates a new SslRMIServerSocketFactory with the specified SSL socket configuration. |

| **Method Summary** | |
| --- | --- |
| [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) | [**createServerSocket**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#createServerSocket(int))(int port)            Creates a server socket that accepts SSL connections configured according to this factory's SSL socket configuration parameters. |
| boolean | [**equals**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Indicates whether some other object is "equal to" this one. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getEnabledCipherSuites**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#getEnabledCipherSuites())()            Returns the names of the cipher suites enabled on SSL connections accepted by server sockets created by this factory, or null if this factory uses the cipher suites that are enabled by default. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getEnabledProtocols**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#getEnabledProtocols())()            Returns the names of the protocol versions enabled on SSL connections accepted by server sockets created by this factory, or null if this factory uses the protocol versions that are enabled by default. |
| boolean | [**getNeedClientAuth**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#getNeedClientAuth())()            Returns true if client authentication is required on SSL connections accepted by server sockets created by this factory. |
| int | [**hashCode**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#hashCode())()            Returns a hash code value for this SslRMIServerSocketFactory. |

| **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()), [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** |
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### SslRMIServerSocketFactory

public **SslRMIServerSocketFactory**()

Creates a new SslRMIServerSocketFactory with the default SSL socket configuration.

SSL connections accepted by server sockets created by this factory have the default cipher suites and protocol versions enabled and do not require client authentication.

### SslRMIServerSocketFactory

public **SslRMIServerSocketFactory**([String](http://docs.google.com/java/lang/String.html)[] enabledCipherSuites,  
 [String](http://docs.google.com/java/lang/String.html)[] enabledProtocols,  
 boolean needClientAuth)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Creates a new SslRMIServerSocketFactory with the specified SSL socket configuration.

**Parameters:**enabledCipherSuites - names of all the cipher suites to enable on SSL connections accepted by server sockets created by this factory, or null to use the cipher suites that are enabled by defaultenabledProtocols - names of all the protocol versions to enable on SSL connections accepted by server sockets created by this factory, or null to use the protocol versions that are enabled by defaultneedClientAuth - true to require client authentication on SSL connections accepted by server sockets created by this factory; false to not require client authentication **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - when one or more of the cipher suites named by the enabledCipherSuites parameter is not supported, when one or more of the protocols named by the enabledProtocols parameter is not supported or when a problem is encountered while trying to check if the supplied cipher suites and protocols to be enabled are supported.**See Also:**[SSLSocket.setEnabledCipherSuites(java.lang.String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledCipherSuites(java.lang.String%5B%5D)), [SSLSocket.setEnabledProtocols(java.lang.String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledProtocols(java.lang.String%5B%5D)), [SSLSocket.setNeedClientAuth(boolean)](http://docs.google.com/javax/net/ssl/SSLSocket.html#setNeedClientAuth(boolean))

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

### getEnabledCipherSuites

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

Returns the names of the cipher suites enabled on SSL connections accepted by server sockets created by this factory, or null if this factory uses the cipher suites that are enabled by default.

**Returns:**an array of cipher suites enabled, or null**See Also:**[SSLSocket.setEnabledCipherSuites(java.lang.String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledCipherSuites(java.lang.String%5B%5D))

### getEnabledProtocols

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

Returns the names of the protocol versions enabled on SSL connections accepted by server sockets created by this factory, or null if this factory uses the protocol versions that are enabled by default.

**Returns:**an array of protocol versions enabled, or null**See Also:**[SSLSocket.setEnabledProtocols(java.lang.String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledProtocols(java.lang.String%5B%5D))

### getNeedClientAuth

public final boolean **getNeedClientAuth**()

Returns true if client authentication is required on SSL connections accepted by server sockets created by this factory.

**Returns:**true if client authentication is required**See Also:**[SSLSocket.setNeedClientAuth(boolean)](http://docs.google.com/javax/net/ssl/SSLSocket.html#setNeedClientAuth(boolean))

### createServerSocket

public [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) **createServerSocket**(int port)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a server socket that accepts SSL connections configured according to this factory's SSL socket configuration parameters.

**Specified by:**[createServerSocket](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html#createServerSocket(int)) in interface [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) **Parameters:**port - the port number **Returns:**the server socket on the specified port **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs during server socket creation

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Indicates whether some other object is "equal to" this one.

Two SslRMIServerSocketFactory objects are equal if they have been constructed with the same SSL socket configuration parameters.

A subclass should override this method (as well as [hashCode()](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html#hashCode())) if it adds instance state that affects equality.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the reference object with which to compare. **Returns:**true if this object is the same as the obj argument; false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns a hash code value for this SslRMIServerSocketFactory.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this SslRMIServerSocketFactory.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SslRMIServerSocketFactory.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/rmi/ssl/SslRMIClientSocketFactory.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/rmi/ssl/SslRMIServerSocketFactory.html)    [**NO FRAMES**](http://docs.google.com/SslRMIServerSocketFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [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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