| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SslRMIClientSocketFactory.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   [**NEXT CLASS**](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/rmi/ssl/SslRMIClientSocketFactory.html)    [**NO FRAMES**](http://docs.google.com/SslRMIClientSocketFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.rmi.ssl**

Class SslRMIClientSocketFactory

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html)

public class **SslRMIClientSocketFactory**extends [Object](http://docs.google.com/java/lang/Object.html)implements [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

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

This class implements RMIClientSocketFactory 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())). All instances of this class are functionally equivalent. In particular, they all share the same truststore, and the same keystore when client authentication is required by the server. This behavior can be modified in subclasses by overriding the [createSocket(String,int)](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#createSocket(java.lang.String,%20int)) method; in that case, [equals](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#equals(java.lang.Object)) and [hashCode](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#hashCode()) may also need to be overridden.

If the system property javax.rmi.ssl.client.enabledCipherSuites is specified, the [createSocket(String,int)](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#createSocket(java.lang.String,%20int)) method will call [SSLSocket.setEnabledCipherSuites(String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledCipherSuites(java.lang.String%5B%5D)) before returning the socket. The value of this system property is a string that is a comma-separated list of SSL/TLS cipher suites to enable.

If the system property javax.rmi.ssl.client.enabledProtocols is specified, the [createSocket(String,int)](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#createSocket(java.lang.String,%20int)) method will call [SSLSocket.setEnabledProtocols(String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledProtocols(java.lang.String%5B%5D)) before returning the socket. The value of this system property is a string that is a comma-separated list of SSL/TLS protocol versions to enable.

**Since:** 1.5 **See Also:**[SSLSocketFactory](http://docs.google.com/javax/net/ssl/SSLSocketFactory.html), [SslRMIServerSocketFactory](http://docs.google.com/javax/rmi/ssl/SslRMIServerSocketFactory.html), [Serialized Form](http://docs.google.com/serialized-form.html#javax.rmi.ssl.SslRMIClientSocketFactory)

| **Constructor Summary** | |
| --- | --- |
| [**SslRMIClientSocketFactory**](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#SslRMIClientSocketFactory())()            Creates a new SslRMIClientSocketFactory. |

| **Method Summary** | |
| --- | --- |
| [Socket](http://docs.google.com/java/net/Socket.html) | [**createSocket**](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#createSocket(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Creates an SSL socket. |
| boolean | [**equals**](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.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. |
| int | [**hashCode**](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#hashCode())()            Returns a hash code value for this SslRMIClientSocketFactory. |

| **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** |
| --- |

### SslRMIClientSocketFactory

public **SslRMIClientSocketFactory**()

Creates a new SslRMIClientSocketFactory.

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

### createSocket

public [Socket](http://docs.google.com/java/net/Socket.html) **createSocket**([String](http://docs.google.com/java/lang/String.html) host,  
 int port)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates an SSL socket.

If the system property javax.rmi.ssl.client.enabledCipherSuites is specified, this method will call [SSLSocket.setEnabledCipherSuites(String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledCipherSuites(java.lang.String%5B%5D)) before returning the socket. The value of this system property is a string that is a comma-separated list of SSL/TLS cipher suites to enable.

If the system property javax.rmi.ssl.client.enabledProtocols is specified, this method will call [SSLSocket.setEnabledProtocols(String[])](http://docs.google.com/javax/net/ssl/SSLSocket.html#setEnabledProtocols(java.lang.String%5B%5D)) before returning the socket. The value of this system property is a string that is a comma-separated list of SSL/TLS protocol versions to enable.

**Specified by:**[createSocket](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html#createSocket(java.lang.String,%20int)) in interface [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) **Parameters:**host - the host nameport - the port number **Returns:**a socket connected to the specified host and port. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs during 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.

Because all instances of this class are functionally equivalent (they all use the default SSLSocketFactory), this method simply returns this.getClass().equals(obj.getClass()).

A subclass should override this method (as well as [hashCode()](http://docs.google.com/javax/rmi/ssl/SslRMIClientSocketFactory.html#hashCode())) if its instances are not all functionally equivalent.

**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 SslRMIClientSocketFactory.

**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 SslRMIClientSocketFactory.**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/SslRMIClientSocketFactory.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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