| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/net/Socket.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/net//class-useSocket.html)    [**NO FRAMES**](http://docs.google.com/Socket.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.net.Socket**

| Packages that use [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| [**java.net**](#3znysh7) | Provides the classes for implementing networking applications. |
| [**java.nio.channels**](#2et92p0) | Defines channels, which represent connections to entities that are capable of performing I/O operations, such as files and sockets; defines selectors, for multiplexed, non-blocking I/O operations. |
| [**java.rmi.server**](#tyjcwt) | Provides classes and interfaces for supporting the server side of RMI. |
| [**javax.net**](#3dy6vkm) | Provides classes for networking applications. |
| [**javax.net.ssl**](#1t3h5sf) | Provides classes for the secure socket package. |
| [**javax.rmi.ssl**](#4d34og8) | Provides implementations of [RMIClientSocketFactory](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html) and [RMIServerSocketFactory](http://docs.google.com/java/rmi/server/RMIServerSocketFactory.html) over the Secure Sockets Layer (SSL) or Transport Layer Security (TLS) protocols. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
| --- | --- |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| [Socket](http://docs.google.com/java/net/Socket.html) | **ServerSocket.**[**accept**](http://docs.google.com/java/net/ServerSocket.html#accept())()            Listens for a connection to be made to this socket and accepts it. |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) with parameters of type [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| protected  void | **ServerSocket.**[**implAccept**](http://docs.google.com/java/net/ServerSocket.html#implAccept(java.net.Socket))([Socket](http://docs.google.com/java/net/Socket.html) s)            Subclasses of ServerSocket use this method to override accept() to return their own subclass of socket. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SocketChannel.**[**socket**](http://docs.google.com/java/nio/channels/SocketChannel.html#socket())()            Retrieves a socket associated with this channel. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
| --- | --- |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **RMISocketFactory.**[**createSocket**](http://docs.google.com/java/rmi/server/RMISocketFactory.html#createSocket(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Creates a client socket connected to the specified host and port. |
| [Socket](http://docs.google.com/java/net/Socket.html) | **RMIClientSocketFactory.**[**createSocket**](http://docs.google.com/java/rmi/server/RMIClientSocketFactory.html#createSocket(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Create a client socket connected to the specified host and port. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [javax.net](http://docs.google.com/javax/net/package-summary.html) | |
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| Methods in [javax.net](http://docs.google.com/javax/net/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| [Socket](http://docs.google.com/java/net/Socket.html) | **SocketFactory.**[**createSocket**](http://docs.google.com/javax/net/SocketFactory.html#createSocket())()            Creates an unconnected socket. |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SocketFactory.**[**createSocket**](http://docs.google.com/javax/net/SocketFactory.html#createSocket(java.net.InetAddress,%20int))([InetAddress](http://docs.google.com/java/net/InetAddress.html) host, int port)            Creates a socket and connects it to the specified port number at the specified address. |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SocketFactory.**[**createSocket**](http://docs.google.com/javax/net/SocketFactory.html#createSocket(java.net.InetAddress,%20int,%20java.net.InetAddress,%20int))([InetAddress](http://docs.google.com/java/net/InetAddress.html) address, int port, [InetAddress](http://docs.google.com/java/net/InetAddress.html) localAddress, int localPort)            Creates a socket and connect it to the specified remote address on the specified remote port. |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SocketFactory.**[**createSocket**](http://docs.google.com/javax/net/SocketFactory.html#createSocket(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)            Creates a socket and connects it to the specified remote host at the specified remote port. |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SocketFactory.**[**createSocket**](http://docs.google.com/javax/net/SocketFactory.html#createSocket(java.lang.String,%20int,%20java.net.InetAddress,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port, [InetAddress](http://docs.google.com/java/net/InetAddress.html) localHost, int localPort)            Creates a socket and connects it to the specified remote host on the specified remote port. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |

| Subclasses of [Socket](http://docs.google.com/java/net/Socket.html) in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |
| class | [**SSLSocket**](http://docs.google.com/javax/net/ssl/SSLSocket.html)            This class extends Sockets and provides secure socket using protocols such as the "Secure Sockets Layer" (SSL) or IETF "Transport Layer Security" (TLS) protocols. |

| Methods in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SSLSocketFactory.**[**createSocket**](http://docs.google.com/javax/net/ssl/SSLSocketFactory.html#createSocket(java.net.Socket,%20java.lang.String,%20int,%20boolean))([Socket](http://docs.google.com/java/net/Socket.html) s, [String](http://docs.google.com/java/lang/String.html) host, int port, boolean autoClose)            Returns a socket layered over an existing socket connected to the named host, at the given port. |

| Methods in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) with parameters of type [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | **X509KeyManager.**[**chooseClientAlias**](http://docs.google.com/javax/net/ssl/X509KeyManager.html#chooseClientAlias(java.lang.String%5B%5D,%20java.security.Principal%5B%5D,%20java.net.Socket))([String](http://docs.google.com/java/lang/String.html)[] keyType, [Principal](http://docs.google.com/java/security/Principal.html)[] issuers, [Socket](http://docs.google.com/java/net/Socket.html) socket)            Choose an alias to authenticate the client side of a secure socket given the public key type and the list of certificate issuer authorities recognized by the peer (if any). |
| [String](http://docs.google.com/java/lang/String.html) | **X509KeyManager.**[**chooseServerAlias**](http://docs.google.com/javax/net/ssl/X509KeyManager.html#chooseServerAlias(java.lang.String,%20java.security.Principal%5B%5D,%20java.net.Socket))([String](http://docs.google.com/java/lang/String.html) keyType, [Principal](http://docs.google.com/java/security/Principal.html)[] issuers, [Socket](http://docs.google.com/java/net/Socket.html) socket)            Choose an alias to authenticate the server side of a secure socket given the public key type and the list of certificate issuer authorities recognized by the peer (if any). |
| abstract  [Socket](http://docs.google.com/java/net/Socket.html) | **SSLSocketFactory.**[**createSocket**](http://docs.google.com/javax/net/ssl/SSLSocketFactory.html#createSocket(java.net.Socket,%20java.lang.String,%20int,%20boolean))([Socket](http://docs.google.com/java/net/Socket.html) s, [String](http://docs.google.com/java/lang/String.html) host, int port, boolean autoClose)            Returns a socket layered over an existing socket connected to the named host, at the given port. |

| Uses of [Socket](http://docs.google.com/java/net/Socket.html) in [javax.rmi.ssl](http://docs.google.com/javax/rmi/ssl/package-summary.html) | |
| --- | --- |

| Methods in [javax.rmi.ssl](http://docs.google.com/javax/rmi/ssl/package-summary.html) that return [Socket](http://docs.google.com/java/net/Socket.html) | |
| --- | --- |
| [Socket](http://docs.google.com/java/net/Socket.html) | **SslRMIClientSocketFactory.**[**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. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/net/Socket.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/net//class-useSocket.html)    [**NO FRAMES**](http://docs.google.com/Socket.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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