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

## **javax.net**

Class ServerSocketFactory

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.net.ServerSocketFactory**

**Direct Known Subclasses:** [SSLServerSocketFactory](http://docs.google.com/javax/net/ssl/SSLServerSocketFactory.html)

public abstract class **ServerSocketFactory**extends [Object](http://docs.google.com/java/lang/Object.html)

This class creates server sockets. It may be subclassed by other factories, which create particular types of server sockets. This provides a general framework for the addition of public socket-level functionality. It is the server side analogue of a socket factory, and similarly provides a way to capture a variety of policies related to the sockets being constructed.

Like socket factories, server Socket factory instances have methods used to create sockets. There is also an environment specific default server socket factory; frameworks will often use their own customized factory.

**Since:** 1.4 **See Also:**[SocketFactory](http://docs.google.com/javax/net/SocketFactory.html)

| **Constructor Summary** | |
| --- | --- |
| protected | [**ServerSocketFactory**](http://docs.google.com/javax/net/ServerSocketFactory.html#ServerSocketFactory())()            Creates a server socket factory. |

| **Method Summary** | |
| --- | --- |
| [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) | [**createServerSocket**](http://docs.google.com/javax/net/ServerSocketFactory.html#createServerSocket())()            Returns an unbound server socket. |
| abstract  [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) | [**createServerSocket**](http://docs.google.com/javax/net/ServerSocketFactory.html#createServerSocket(int))(int port)            Returns a server socket bound to the specified port. |
| abstract  [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) | [**createServerSocket**](http://docs.google.com/javax/net/ServerSocketFactory.html#createServerSocket(int,%20int))(int port, int backlog)            Returns a server socket bound to the specified port, and uses the specified connection backlog. |
| abstract  [ServerSocket](http://docs.google.com/java/net/ServerSocket.html) | [**createServerSocket**](http://docs.google.com/javax/net/ServerSocketFactory.html#createServerSocket(int,%20int,%20java.net.InetAddress))(int port, int backlog, [InetAddress](http://docs.google.com/java/net/InetAddress.html) ifAddress)            Returns a server socket bound to the specified port, with a specified listen backlog and local IP. |
| static [ServerSocketFactory](http://docs.google.com/javax/net/ServerSocketFactory.html) | [**getDefault**](http://docs.google.com/javax/net/ServerSocketFactory.html#getDefault())()            Returns a copy of the environment's default socket factory. |

| **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** |
| --- |

### ServerSocketFactory

protected **ServerSocketFactory**()

Creates a server socket factory.

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

### getDefault

public static [ServerSocketFactory](http://docs.google.com/javax/net/ServerSocketFactory.html) **getDefault**()

Returns a copy of the environment's default socket factory.

**Returns:**the ServerSocketFactory

### createServerSocket

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

Returns an unbound server socket. The socket is configured with the socket options (such as accept timeout) given to this factory.

**Returns:**the unbound socket **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the socket cannot be created**See Also:**[ServerSocket.bind(java.net.SocketAddress)](http://docs.google.com/java/net/ServerSocket.html#bind(java.net.SocketAddress)), [ServerSocket.bind(java.net.SocketAddress, int)](http://docs.google.com/java/net/ServerSocket.html#bind(java.net.SocketAddress,%20int)), [ServerSocket.ServerSocket()](http://docs.google.com/java/net/ServerSocket.html#ServerSocket())

### createServerSocket

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

Returns a server socket bound to the specified port. The socket is configured with the socket options (such as accept timeout) given to this factory.

**Parameters:**port - the port to listen to **Returns:**the ServerSocket **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - for networking errors**See Also:**[ServerSocket.ServerSocket(int)](http://docs.google.com/java/net/ServerSocket.html#ServerSocket(int))

### createServerSocket

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

Returns a server socket bound to the specified port, and uses the specified connection backlog. The socket is configured with the socket options (such as accept timeout) given to this factory.

**Parameters:**port - the port to listen tobacklog - how many connections are queued **Returns:**the ServerSocket **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - for networking errors**See Also:**[ServerSocket.ServerSocket(int, int)](http://docs.google.com/java/net/ServerSocket.html#ServerSocket(int,%20int))

### createServerSocket

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

Returns a server socket bound to the specified port, with a specified listen backlog and local IP. The ifAddress argument can be used on a multi-homed host for a ServerSocket that will only accept connect requests to one of its addresses. If ifAddress is null, it will accept connections on all local addresses. The socket is configured with the socket options (such as accept timeout) given to this factory.

**Parameters:**port - the port to listen tobacklog - how many connections are queuedifAddress - the network interface address to use **Returns:**the ServerSocket **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - for networking errors**See Also:**[ServerSocket.ServerSocket(int, int, java.net.InetAddress)](http://docs.google.com/java/net/ServerSocket.html#ServerSocket(int,%20int,%20java.net.InetAddress))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ServerSocketFactory.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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