| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/net/NetworkInterface.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-useNetworkInterface.html)    [**NO FRAMES**](http://docs.google.com/NetworkInterface.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.net.NetworkInterface**

| Packages that use [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | |
| --- | --- |
| [**java.net**](#3znysh7) | Provides the classes for implementing networking applications. |

| Uses of [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.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 [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | |
| --- | --- |
| static [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | **NetworkInterface.**[**getByInetAddress**](http://docs.google.com/java/net/NetworkInterface.html#getByInetAddress(java.net.InetAddress))([InetAddress](http://docs.google.com/java/net/InetAddress.html) addr)            Convenience method to search for a network interface that has the specified Internet Protocol (IP) address bound to it. |
| static [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | **NetworkInterface.**[**getByName**](http://docs.google.com/java/net/NetworkInterface.html#getByName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Searches for the network interface with the specified name. |
| [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | **MulticastSocket.**[**getNetworkInterface**](http://docs.google.com/java/net/MulticastSocket.html#getNetworkInterface())()            Get the multicast network interface set. |
| [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | **NetworkInterface.**[**getParent**](http://docs.google.com/java/net/NetworkInterface.html#getParent())()            Returns the parent NetworkInterface of this interface if this is a subinterface, or null if it is a physical (non virtual) interface or has no parent. |
| [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | **Inet6Address.**[**getScopedInterface**](http://docs.google.com/java/net/Inet6Address.html#getScopedInterface())()            Returns the scoped interface, if this instance was created with with a scoped interface. |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) that return types with arguments of type [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | |
| --- | --- |
| static [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html)> | **NetworkInterface.**[**getNetworkInterfaces**](http://docs.google.com/java/net/NetworkInterface.html#getNetworkInterfaces())()            Returns all the interfaces on this machine. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<[NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html)> | **NetworkInterface.**[**getSubInterfaces**](http://docs.google.com/java/net/NetworkInterface.html#getSubInterfaces())()            Get an Enumeration with all the subinterfaces (also known as virtual interfaces) attached to this network interface. |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) with parameters of type [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) | |
| --- | --- |
| static [Inet6Address](http://docs.google.com/java/net/Inet6Address.html) | **Inet6Address.**[**getByAddress**](http://docs.google.com/java/net/Inet6Address.html#getByAddress(java.lang.String,%20byte%5B%5D,%20java.net.NetworkInterface))([String](http://docs.google.com/java/lang/String.html) host, byte[] addr, [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) nif)            Create an Inet6Address in the exact manner of [InetAddress.getByAddress(String,byte[])](http://docs.google.com/java/net/InetAddress.html#getByAddress(java.lang.String,%20byte%5B%5D)) except that the IPv6 scope\_id is set to the value corresponding to the given interface for the address type specified in addr. |
| boolean | **InetAddress.**[**isReachable**](http://docs.google.com/java/net/InetAddress.html#isReachable(java.net.NetworkInterface,%20int,%20int))([NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netif, int ttl, int timeout)            Test whether that address is reachable. |
| void | **MulticastSocket.**[**joinGroup**](http://docs.google.com/java/net/MulticastSocket.html#joinGroup(java.net.SocketAddress,%20java.net.NetworkInterface))([SocketAddress](http://docs.google.com/java/net/SocketAddress.html) mcastaddr, [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netIf)            Joins the specified multicast group at the specified interface. |
| protected abstract  void | **DatagramSocketImpl.**[**joinGroup**](http://docs.google.com/java/net/DatagramSocketImpl.html#joinGroup(java.net.SocketAddress,%20java.net.NetworkInterface))([SocketAddress](http://docs.google.com/java/net/SocketAddress.html) mcastaddr, [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netIf)            Join the multicast group. |
| void | **MulticastSocket.**[**leaveGroup**](http://docs.google.com/java/net/MulticastSocket.html#leaveGroup(java.net.SocketAddress,%20java.net.NetworkInterface))([SocketAddress](http://docs.google.com/java/net/SocketAddress.html) mcastaddr, [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netIf)            Leave a multicast group on a specified local interface. |
| protected abstract  void | **DatagramSocketImpl.**[**leaveGroup**](http://docs.google.com/java/net/DatagramSocketImpl.html#leaveGroup(java.net.SocketAddress,%20java.net.NetworkInterface))([SocketAddress](http://docs.google.com/java/net/SocketAddress.html) mcastaddr, [NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netIf)            Leave the multicast group. |
| void | **MulticastSocket.**[**setNetworkInterface**](http://docs.google.com/java/net/MulticastSocket.html#setNetworkInterface(java.net.NetworkInterface))([NetworkInterface](http://docs.google.com/java/net/NetworkInterface.html) netIf)            Specify the network interface for outgoing multicast datagrams sent on this socket. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/net/NetworkInterface.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-useNetworkInterface.html)    [**NO FRAMES**](http://docs.google.com/NetworkInterface.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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