



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'if\_nametoindex.3'***

**C:\>man if\_nametoindex.3**

IF\_NAMETOINDEX(3)           Linux Programmer's Manual           IF\_NAMETOINDEX(3)

### NAME

if\_nametoindex, if\_indextoname - mappings between network interface names and indexes

### SYNOPSIS

```
#include <net/if.h>

unsigned int if_nametoindex(const char *ifname);

char *if_indextoname(unsigned int ifindex, char *ifname);
```

### DESCRIPTION

The if\_nametoindex() function returns the index of the network interface corresponding to the name ifname.

The if\_indextoname() function returns the name of the network interface corresponding to the interface index ifindex. The name is placed in the buffer pointed to by ifname. The buffer must allow for the storage of at least IF\_NAMESIZE bytes.

### RETURN VALUE

On success, if\_nametoindex() returns the index number of the network interface; on error, 0 is returned and errno is set appropriately.

On success, if\_indextoname() returns ifname; on error, NULL is returned and errno is set appropriately.

### ERRORS

if\_nametoindex() may fail and set errno if:

ENODEV No interface found with given name.

if\_indextoname() may fail and set errno if:

ENXIO No interface found for the index.

if\_nametoindex() and if\_indextoname() may also fail for any of the errors specified for socket(2) or ioctl(2).

#### ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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?Interface                    ? Attribute   ? Value   ?

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?if\_nametoindex(), if\_indextoname() ? Thread safety ? MT-Safe ?

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#### CONFORMING TO

POSIX.1-2001, POSIX.1-2008, RFC 3493.

This function first appeared in BSDi.

#### SEE ALSO

getifaddrs(3), if\_nameindex(3), ifconfig(8)

#### COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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