The Open Group Base Specifications Issue 7, 2018 edition
IEEE Std 1003.1-2017 (Revision of IEEE Std 1003.1-2008)
Copyright © 2001-2018 IEEE and The Open Group

NAME

net/if.h – sockets local interfaces

SYNOPSIS

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

DESCRIPTION

The *<net/if.h>* header shall define the **if_nameindex** structure, which shall include at least the following members:

```
unsigned  if_index  Numeric index of the interface.
char      *if_name  Null-terminated name of the interface.
```

The *<net/if.h>* header shall define the following symbolic constant for the length of a buffer containing an interface name (including the terminating NULL character):

```
IF_NAMESIZE
     Interface name length.
```

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
void                if_freenameindex(struct if_nameindex *);
char                *if_indextoname(unsigned, char *);
struct if_nameindex *if_nameindex(void);
unsigned            if_nametoindex(const char *);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

XSH *if_freenameindex*, *if_indextoname*, *if_nameindex*, *if_nametoindex*

CHANGE HISTORY

First released in Issue 6. Derived from the XNS, Issue 5.2 specification.

Issue 7

This reference page is clarified with respect to macros and symbolic constants.

End of informative text.

---

return to top of page

[Main Index | XBD | XSH | XCU | XRAT]