

## Op:if.h

net/if.h - sockets local interfaces

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

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### DESCRIPTION

The `<net/if.h>` header shall define the `if_nameindex` structure that includes 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 macro 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.

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

*The following sections are informative.*

### APPLICATION USAGE

None.

## **RATIONALE**

None.

## **FUTURE DIRECTIONS**

None.

## **RELATED**

The System Interfaces volume of IEEE Std 1003.1-2001,  
*if\_freenameindex()*, *if\_indextoname()*, *if\_nameindex()*,  
*if\_nametoindex()*

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