

Op:inet.h

arpa/inet.h - definitions for internet operations

```
#include <arpa/inet.h>
```

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DESCRIPTION

The `in_port_t` and `in_addr_t` types shall be defined as described in `<netinet/in.h>` .

The `in_addr` structure shall be defined as described in `<netinet/in.h>` .

The `INET_ADDRSTRLEN` and `INET6_ADDRSTRLEN` macros shall be defined as described in `<netinet/in.h>` .

The following shall either be declared as functions, defined as macros, or both. If functions are declared, function prototypes shall be provided.

```
uint32_t htonl(uint32_t);  
uint16_t htons(uint16_t);  
uint32_t ntohl(uint32_t);  
uint16_t ntohs(uint16_t);
```

The `uint32_t` and `uint16_t` types shall be defined as described in `<inttypes.h>` .

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

```
in_addr_t    inet_addr(const char *);
char         *inet_ntoa(struct in_addr);
const char   *inet_ntop(int, const void *restrict, char *restrict,
                    socklen_t);
int          inet_pton(int, const char *restrict, void *restrict);
```

Inclusion of the `<arpa/inet.h>` header may also make visible all symbols from `<netinet/in.h>` and `<inttypes.h>`.

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

RELATED

`<netinet/in.h>` , `<inttypes.h>` , the System Interfaces volume of IEEE Std 1003.1-2001, `htonl()`, `inet_addr()`

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