



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'arpa_inet.h.0p' command

\$ man arpa_inet.h.0p

arpa_inet.h(0P) POSIX Programmer's Manual arpa_inet.h(0P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

arpa/inet.h ? definitions for internet operations

SYNOPSIS

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

DESCRIPTION

The <arpa/inet.h> header shall define the `in_port_t` and `in_addr_t` types as described in <netinet/in.h>.

The <arpa/inet.h> header shall define the `in_addr` structure as described in <netinet/in.h>.

The <arpa/inet.h> header shall define the `INET_ADDRSTRLEN` and `INET6_ADDRSTRLEN` macros as described in <netinet/in.h>.

The following shall be declared as functions, or 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 <arpa/inet.h> header shall define the uint32_t and uint16_t types 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.

SEE ALSO

<inttypes.h>, <netinet_in.h>

The System Interfaces volume of POSIX.1?2017, htonl(), inet_addr(),
inet_ntop()

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arpa_inet.h(OP)