



Linux Ubuntu 26.04 Manual Pages on command 'htons.3'

\$ man htens.3

BYTEORDER(3) Library Functions Manual BYTEORDER(3)

NAME

htonl, htens, ntohl, ntohs - convert values between host and network byte order

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

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

uint32_t htonl(uint32_t hostlong);

uint16_t htens(uint16_t hostshort);

uint32_t ntohl(uint32_t netlong);

uint16_t ntohs(uint16_t netshort);
```

DESCRIPTION

The htonl() function converts the unsigned integer hostlong from host byte order to network byte order.

The htens() function converts the unsigned short integer hostshort from host byte order to network byte order.

The ntohl() function converts the unsigned integer netlong from network byte order to host byte order.

The ntohs() function converts the unsigned short integer netshort from network byte order to host byte order.

On the i386 the host byte order is Least Significant Byte first, whereas the network byte order, as used on the Internet, is Most Significant Byte first.

ATTRIBUTES

[illegible][illegible][illegible]

POSIX.1-2008.

POSIX.1-2001.

bswap(3), endian(3), gethostbyname(3), getservent(3)

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