18/04/2019 <netdb.h>

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NAME

netdb.h - definitions for network database operations

SYNOPSIS

#include <netdb.h>

DESCRIPTION

The <*netdb.h*> header may make available the type **in_port_t** and the type **in_addr_t** as defined in the description of <*netinet/in.h*>.

The <*netdb.h*> header defines the **hostent** structure that includes at least the following members:

The <*netdb.h*> header defines the **netent** structure that includes at least the following members:

The uint_32_t type is made available by inclusion of *<inttypes.h>* (see referenced document **XSH**).

The <*netdb.h*> header defines the **protoent** structure that includes at least the following members:

The <*netdb.h*> header defines the **servent** structure that includes at least the following members:

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The <*netdb.h*> header defines the macro IPPORT_RESERVED with the value of the highest reserved Internet port number.

The < *netdb.h*> header provides a declaration of h_*errno* as a modifiable l-value of type **int**. For example:

```
extern int h_errno;
```

The <*netdb.h*> header defines the following macros for use as error values for *gethostbyaddr()* and *gethostbyname()*:

```
HOST_NOT_FOUND
NO_DATA
NO_RECOVERY
TRY AGAIN
```

The following are declared as functions, and may also be defined as macros:

```
void
                 endhostent(void);
void
                 endnetent(void);
void
                 endprotoent(void);
void
                 endservent(void);
struct hostent
                *<u>gethostbyaddr</u>(const void *addr, size_t len, int type);
                *gethostbyname(const char *name);
struct hostent
                *gethostent(void);
struct hostent
                *getnetbyaddr(uint32 t net, int type);
struct netent
struct netent
                *getnetbyname(const char *name);
struct netent
                *getnetent(void);
struct protoent *getprotobyname(const char *name);
struct protoent *getprotobynumber(int proto);
struct protoent *getprotoent(void);
struct servent *getservbyname(const char *name, const char *proto);
struct servent *getservbyport(int port, const char *proto);
struct servent *getservent(void);
                 sethostent(int stayopen);
void
                 setnetent(int stayopen);
void
void
                 setprotoent(int stayopen);
                 setservent(int stayopen);
void
```

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

SEE ALSO

endhostent(), endnetent(), endprotoent(), endservent().

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