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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'endhostent.3p' command

$ man endhostent.3p

ENDHOSTENT(3P) POSIX Programmer's Manual ENDHOSTENT(3P)

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

endhostent, gethostent, sethostent ? network host database functions

SYNOPSIS

```
#include <netdb.h>
void endhostent(void);
struct hostent *gethostent(void);
void sethostent(int stayopen);
```

DESCRIPTION

These functions shall retrieve information about hosts. This informa? tion is considered to be stored in a database that can be accessed se? quentially or randomly. The implementation of this database is unspeci? fied.

Note: In many cases this database is implemented by the Domain Name System, as documented in RFC 1034, RFC 1035, and RFC 1886.

The sethostent() function shall open a connection to the database and set the next entry for retrieval to the first entry in the database. If the stayopen argument is non-zero, the connection shall not be closed

by a call to gethostent(), and the implementation may maintain an open file descriptor.

The gethostent() function shall read the next entry in the database, opening and closing a connection to the database as necessary.

Entries shall be returned in hostent structures.

The endhostent() function shall close the connection to the database, releasing any open file descriptor.

These functions need not be thread-safe.

RETURN VALUE

Upon successful completion, the gethostent() function shall return a pointer to a hostent structure if the requested entry was found, and a null pointer if the end of the database was reached or the requested entry was not found.

The application shall not modify the structure to which the return value points, nor any storage areas pointed to by pointers within the structure. The returned pointer, and pointers within the structure, might be invalidated or the structure or the storage areas might be overwritten by a subsequent call to gethostent(). The returned pointer, and pointers within the structure, might also be invalidated if the calling thread is terminated.

ERRORS

No errors are defined for endhostent(), gethostent(), and sethostent().

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

endservent()

The Base Definitions volume of POSIX.1?2017, <netdb.h>

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