NAME

getttyent, getttynam, setttyent, endttyent - get ttys file entry

SYNOPSIS

#include <ttyent.h>

struct ttyent *getttyent(void);

struct ttyent *getttynam(const char *_name_);

int setttyent(void);

int endttyent(void);

DESCRIPTION

These functions provide an interface to the file **_PATH_TTYS** (e.g., _/etc/ttys_).

The function **setttyent**() opens the file or rewinds it if already open.

The function **endttyent**() closes the file.

The function **getttynam**() searches for a given terminal name in the file. It returns a pointer to a _ttyent_ structure (description below).

The function **getttyent**() opens the file **_PATH_TTYS** (if necessary) and returns the first entry. If the file is already open, the next entry. The _ttyent_ structure has the form:

        struct ttyent {
        char *ty_name; /* terminal device name */
        char *ty_getty; /* command to execute, usually getty */
        char *ty_type; /* terminal type for termcap */
        int ty_status; /* status flags */
        char *ty_window; /* command to start up window manager */
        char *ty_comment; /* comment field */
        };

_ty_status_ can be:

#define TTY_ON 0x01 /* enable logins (start ty_getty program) */
#define TTY_SECURE 0x02 /* allow UID 0 to login */

ATTRIBUTES

Multithreading (see pthreads(7))

The **getttyent**() function returns a pointer to a static variable, so it is not thread-safe.

The **setttyent**() and **endttyent**() functions use a static variable, so they are not thread-safe.

The **getttynam**() function calls thread-unsafe function **getttyent**() so it is not thread-safe.

CONFORMING TO

Not in POSIX.1-2001. Present on the BSDs, and perhaps other systems.

NOTES

Under Linux, the file _/etc/ttys_, and the functions described above, are not used.

SEE ALSO

ttyname(3), ttyslot(3)

COLOPHON

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