NAME

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

LIBRARY

Standard C library (*libc*, *−lc*)

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

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
getttyent(), **setttyent**(), **endttyent**(), **getttynam**()	Thread safety	MT-Unsafe race:ttyent

STANDARDS

Not in POSIX.1. 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)