

**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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