

NAME

getpt - open the pseudoterminal master (PTM)

SYNOPSIS

```
#define _GNU_SOURCE /* See feature\_test\_macros\(7\) */
#include <stdlib.h>

int getpt(void);
```

DESCRIPTION

getpt() opens a pseudoterminal master and returns its file descriptor. It is equivalent to `open(/dev/ptmx, O_RDWR | O_NOCTTY);`

on Linux systems, though the pseudoterminal master is located elsewhere on some systems that use GNU Libc.

RETURN VALUE

getpt() returns an open file descriptor upon successful completion. Otherwise, it returns -1 and sets *errno* to indicate the error.

ERRORS

getpt() can fail with various errors described in [open\(2\)](#).

VERSIONS

getpt() is provided in glibc since version 2.1.

ATTRIBUTES

Multithreading (see [pthread\(7\)](#))

The **getpt()** function is thread-safe.

CONFORMING TO

getpt() is glibc-specific; use [posix_openpt\(3\)](#) instead.

SEE ALSO

[grantpt\(3\)](#), [posix_openpt\(3\)](#), [ptsname\(3\)](#), [unlockpt\(3\)](#), [ptmx\(4\)](#), [pty\(7\)](#)

COLOPHON

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