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

\$ man grantpt.3p

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

grantpt ? grant access to the slave pseudo-terminal device

SYNOPSIS

```
#include <stdlib.h>

int grantpt(int fildes);
```

DESCRIPTION

The grantpt() function shall change the mode and ownership of the slave pseudo-terminal device associated with its master pseudo-terminal device. The fildes argument is a file descriptor that refers to a master pseudo-terminal device. The user ID of the slave shall be set to the real UID of the calling process and the group ID shall be set to an unspecified group ID. The permission mode of the slave pseudo-terminal shall be set to readable and writable by the owner, and writable by the group.

The behavior of the grantpt() function is unspecified if the application has installed a signal handler to catch SIGCHLD signals.

RETURN VALUE

Upon successful completion, `grantpt()` shall return 0; otherwise, it shall return -1 and set `errno` to indicate the error.

ERRORS

The `grantpt()` function may fail if:

EACCES The corresponding slave pseudo-terminal device could not be accessed.

EBADF The `fdes` argument is not a valid open file descriptor.

EINVAL The `fdes` argument is not associated with a master pseudo-terminal device.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

See the RATIONALE section for `posix_openpt()`.

FUTURE DIRECTIONS

None.

SEE ALSO

`open()`, `posix_openpt()`, `ptsname()`, `unlockpt()`

The Base Definitions volume of POSIX.1-2017, `<stdlib.h>`

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