Rocky Enterprise Linux 9.2 Manual Pages on command 'ptsname_r.3'

$ man ptsname_r.3

PTSNAME(3)   Linux Programmer's Manual   PTSNAME(3)

NAME

    ptsname, ptsname_r - get the name of the slave pseudoterminal

SYNOPSIS

    #include <stdlib.h>

    char *ptsname(int fd);

    int ptsname_r(int fd, char *buf, size_t buflen);

  Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

    ptsname():

      Since glibc 2.24:

        _XOPEN_SOURCE >= 500 ||

          (_XOPEN_SOURCE && _XOPEN_SOURCE_EXTENDED)

      Glibc 2.23 and earlier:

        _XOPEN_SOURCE

    ptsname_r():

      _GNU_SOURCE

DESCRIPTION

    The ptsname() function returns the name of the slave pseudoterminal device corresponding

    to the master referred to by the file descriptor fd.

    The ptsname_r() function is the reentrant equivalent of ptsname(). It returns the name of

    the slave pseudoterminal device as a null-terminated string in the buffer pointed to by

    buf. The buflen argument specifies the number of bytes available in buf.

RETURN VALUE

On success, ptsname() returns a pointer to a string in static storage which will be over‐

written by subsequent calls.   This pointer must not be freed. On failure, NULL is re‐

turned.

On success, ptsname_r() returns 0. On failure, an error number is returned to indicate

the error.

ERRORS

EINVAL (ptsname_r() only) buf is NULL. (This error is returned only for glibc 2.25 and

earlier.)

ENOTTY fd does not refer to a pseudoterminal master device.

ERANGE (ptsname_r() only) buf is too small.

VERSIONS

ptsname() is provided in glibc since version 2.1.

ATTRIBUTES

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

???
?Interface   ? Attribute   ? Value   ?
???
?ptsname()   ? Thread safety ? MT-Unsafe race:ptsname ?
???
?ptsname_r() ? Thread safety ? MT-Safe   ?
???

CONFORMING TO

ptsname():

 POSIX.1-2001, POSIX.1-2008.

ptsname() is part of the UNIX 98 pseudoterminal support (see pts(4)).

ptsname_r() is a Linux extension, that is proposed for inclusion in the next major revi‐

sion of POSIX.1 (Issue 8). A version of this function is documented on Tru64 and HP-UX,

but on those implementations, -1 is returned on error, with errno set to indicate the er‐

ror. Avoid using this function in portable programs.

SEE ALSO

grantpt(3), posix_openpt(3), ttyname(3), unlockpt(3), pts(4), pty(7)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the

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