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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ptsname.3p' command***

***\$ man ptsname.3p***

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

ptsname ? get name of the slave pseudo-terminal device

### SYNOPSIS

```
#include <stdlib.h>

char *ptsname(int fildes);
```

### DESCRIPTION

The ptsname() function shall return the name of the slave pseudo-terminal device associated with a master pseudo-terminal device. The fildes argument is a file descriptor that refers to the master device. The ptsname() function shall return a pointer to a string containing the pathname of the corresponding slave device.

The ptsname() function need not be thread-safe.

### RETURN VALUE

Upon successful completion, ptsname() shall return a pointer to a string which is the name of the pseudo-terminal slave device. Upon failure, ptsname() shall return a null pointer and may set errno. This could occur if fildes is an invalid file descriptor or if the slave de?

vice name does not exist in the file system.

The application shall not modify the string returned. The returned pointer might be invalidated or the string content might be overwritten by a subsequent call to ptsname(). The returned pointer and the string content might also be invalidated if the calling thread is terminated.

## ERRORS

The ptsname() function may fail if:

EBADF The fildes argument is not a valid file descriptor.

ENOTTY The file associated with the fildes argument is not 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

grantpt(), open(), posix\_openpt(), ttyname(), unlockpt()

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

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