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

$ man dirfd.3

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

NAME

   dirfd - get directory stream file descriptor

SYNOPSIS

   #include <sys/types.h>

   #include <dirent.h>

   int dirfd(DIR *dirp);

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

   dirfd():

      /* Since glibc 2.10: */ _POSIX_C_SOURCE >= 200809L

         || /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

   The function dirfd() returns the file descriptor associated with the

   directory stream dirp.

   This file descriptor is the one used internally by the directory

   stream.   As a result, it is useful only for functions which do not de?

   pend on or alter the file position, such as fstat(2) and fchdir(2). It

   will be automatically closed when closedir(3) is called.

RETURN VALUE

   On success, dirfd() returns a file descriptor (a nonnegative integer).

   On error, -1 is returned, and errno is set to indicate the cause of the

   error.

ERRORS

POSIX.1-2008 specifies two errors, neither of which is returned by the current implementation.

EINVAL dirp does not refer to a valid directory stream.

ENOTSUP

The implementation does not support the association of a file descriptor with a directory.

ATTRIBUTES

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

??????????????????????????????????????

?Interface ? Attribute   ? Value   ?

???????????????????????????????????????

?dirfd()   ? Thread safety ? MT-Safe ?

??

CONFORMING TO

POSIX.1-2008. This function was a BSD extension, present in 4.3BSD-Reno, not in 4.2BSD.

SEE ALSO

open(2), openat(2), closedir(3), opendir(3), readdir(3), rewinddir(3), scandir(3), seekdir(3), telldir(3)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project.   A description of the project, information about reporting bugs, and the latest version of this page, can   be   found   at https://www.kernel.org/doc/man-pages/.

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