Rocky Enterprise Linux 9.2 Manual Pages on command 'chdir.2'

C:\>man chdir.2

CHDIR(2) Linux Programmer's Manual CHDIR(2)

NAME

chdir, fchdir - change working directory

SYNOPSIS

#include <unistd.h>

int chdir(const char *path);

int fchdir(int fd);

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

fchdir():

_XOPEN_SOURCE >= 500

|| /* Since glibc 2.12: */ _POSIX_C_SOURCE >= 200809L

|| /* Glibc up to and including 2.19: */ _BSD_SOURCE

DESCRIPTION

chdir() changes the current working directory of the calling process to the direc?

tory specified in path.

fchdir() is identical to chdir(); the only difference is that the directory is

given as an open file descriptor.

RETURN VALUE

On success, zero is returned. On error, -1 is returned, and errno is set appropri?

ately.

ERRORS

Depending on the filesystem, other errors can be returned. The more general errors

for chdir() are listed below:

EACCES Search permission is denied for one of the components of path. (See also path_resolution(7).)

EFAULT path points outside your accessible address space.

EIO An I/O error occurred.

ELOOP Too many symbolic links were encountered in resolving path.

ENAMETOOLONG

path is too long.

ENOENT The directory specified in path does not exist.

ENOMEM Insufficient kernel memory was available.

ENOTDIR

A component of path is not a directory.

The general errors for fchdir() are listed below:

EACCES Search permission was denied on the directory open on fd.

EBADF fd is not a valid file descriptor.

ENOTDIR

fd does not refer to a directory.

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, SVr4, 4.4BSD.

NOTES

The current working directory is the starting point for interpreting relative path? names (those not starting with '/').

A child process created via fork(2) inherits its parent's current working direc? tory. The current working directory is left unchanged by execve(2).

SEE ALSO

chroot(2), getcwd(3), path_resolution(7)

COLOPHON

This page is part of release 5.05 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/.