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

\$ 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 directory 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 appropriately.

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_res?

olution(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 pathnames (those not starting with '/').

A child process created via `fork(2)` inherits its parent's current working directory. 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 5.10 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/>.