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_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.

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 4.09 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/.