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.

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

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