



Linux Ubuntu 26.04 Manual Pages on command 'dirfd.3'

\$ man dirfd.3

dirfd(3) Library Functions Manual dirfd(3)

NAME

dirfd - get directory stream file descriptor

LIBRARY

Standard C library (libc, -lc)

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 <= 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 depend on or alter the file position, such as `fs?tat(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 error.

ERRORS

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

