

# closedir(3) — Linux manual page

[NAME](#) | [SYNOPSIS](#) | [DESCRIPTION](#) | [RETURN VALUE](#) | [ERRORS](#) | [ATTRIBUTES](#) | [CONFORMING TO](#) | [SEE ALSO](#) | [COLOPHON](#)

Search online pages

## NAME [top](#)

closedir - close a directory

## SYNOPSIS [top](#)

```
#include <sys/types.h>
#include <dirent.h>

int closedir(DIR *dirp);
```

## DESCRIPTION [top](#)

The **closedir()** function closes the directory stream associated with *dirp*. A successful call to **closedir()** also closes the underlying file descriptor associated with *dirp*. The directory stream descriptor *dirp* is not available after this call.

## RETURN VALUE [top](#)

The **closedir()** function returns 0 on success. On error, -1 is returned, and *errno* is set to indicate the error.

## ERRORS [top](#)

**EBADF** Invalid directory stream descriptor *dirp*.

## ATTRIBUTES [top](#)

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value

**closedir()**

Thread safety

MT-Safe

**CONFORMING TO** [top](#)

POSIX.1-2001, POSIX.1-2008, SVr4, 4.3BSD.

**SEE ALSO** [top](#)[close\(2\)](#), [opendir\(3\)](#), [readdir\(3\)](#), [rewinddir\(3\)](#), [scandir\(3\)](#),  
[seekdir\(3\)](#), [telldir\(3\)](#)**COLOPHON** [top](#)

This page is part of release 5.13 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/>.

**2021-03-22****CLOSEDIR(3)**

---

Pages that refer to this page: [fanotify\\_mark\(2\)](#), [dirfd\(3\)](#), [opendir\(3\)](#), [readdir\(3\)](#), [rewinddir\(3\)](#),  
[scandir\(3\)](#), [seekdir\(3\)](#), [telldir\(3\)](#)

---

[Copyright and license for this manual page](#)

---

HTML rendering created 2021-08-27 by [Michael Kerrisk](#), author of *The Linux Programming Interface*, maintainer of the [Linux man-pages project](#).

For details of in-depth **Linux/UNIX system programming training courses**  
that I teach, look [here](#).

Hosting by [jambit GmbH](#).

