

closedir - Man Page

close a directory stream

Prolog

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

Synopsis

```
#include <dirent.h>
```

```
int closedir(DIR *dirp);
```

Description

The *closedir()* function shall close the directory stream referred to by the argument *dirp*. Upon return, the value of *dirp* may no longer point to an accessible object of the type **DIR**. If a file descriptor is used to implement type **DIR**, that file descriptor shall be closed.

Return Value

Upon successful completion, *closedir()* shall return 0; otherwise, -1 shall be returned and *errno* set to indicate the error.

Errors

The *closedir()* function may fail if:

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EINTR

The *closedir()* function was interrupted by a signal.

The following sections are informative.

Examples

Closing a Directory Stream

The following program fragment demonstrates how the *closedir()* function is used.

```
...
    DIR *dir;
    struct dirent *dp;
...
    if ((dir = opendir (".")) == NULL) {
...
    }

    while ((dp = readdir (dir)) != NULL) {
...
    }

    closedir(dir);
...

```

Application Usage

None.

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None.

Future Directions

None.

See Also

`dirfd()`, `fdopendir()`

The Base Definitions volume of POSIX.1-2017, `<dirent.h>`

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`dirent.h(0p)`, `dirfd(3p)`, `fdopendir(3p)`, `readdir(3p)`, `rewinddir(3p)`.

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