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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'closedir.3p' command***

***\$ man closedir.3p***

CLOSEDIR(3P)          POSIX Programmer's Manual          CLOSEDIR(3P)

### 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.

### NAME

closedir ? close a directory stream

### 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:

**EBADF** The `dirp` argument does not refer to an open directory stream.

**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.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`dirfd()`, `fdopendir()`

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

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