

NAME

getdirentries - get directory entries in a filesystem-independent format

SYNOPSIS

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

```
ssize_t getdirentries(int fd, char *buf, size_t nbytes, off_t *basep);
```

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

```
getdirentries(): Since glibc 2.19: _DEFAULT_SOURCE Glibc 2.19 and earlier: _BSD_SOURCE ||
_SVID_SOURCE
```

DESCRIPTION

Read directory entries from the directory specified by *fd* into *buf*. At most *nbytes* are read. Reading starts at offset **basep*, and **basep* is updated with the new position after reading.

RETURN VALUE

getdirentries() returns the number of bytes read or zero when at the end of the directory. If an error occurs, -1 is returned, and *errno* is set appropriately.

ERRORS

See the Linux library source code for details.

ATTRIBUTES

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

Interface	Attribute	Value
getdirentries()	Thread safety	MT-Safe

CONFORMING TO

Not in POSIX.1. Present on the BSDs, and a few other systems. Use [opendir\(3\)](#) and [readdir\(3\)](#) instead.

SEE ALSO

[lseek\(2\)](#), [open\(2\)](#)

COLOPHON

This page is part of release 4.10 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/>.