

**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(): _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**

**Multithreading** (see [pthreads\(7\)](#))

The **getdirentries()** function is thread-safe.

**CONFORMING TO**

Not in POSIX.1-2001. 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 3.74 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 <http://www.kernel.org/doc/man-pages/>.