

**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
<b>getdirentries()</b>	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 5.05 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/>.