## NAME

getdirentries – get directory entries in a filesystem-independent format

## LIBRARY

Standard C library (*libc*, *−lc*)

## SYNOPSIS

**#include <dirent.h>**

**ssize_t getdirentries(int** *fd***, char** *buf* **[restrict** *.nbytes***], size_t** *nbytes***,**
                **off_t *restrict** *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 to indicate the error.

## 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 |

## STANDARDS

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)