NAME
telldir – return current location in directory stream

LIBRARY
Standard C library (*libc*, *−lc*)

SYNOPSIS
#include <dirent.h>

long telldir(DIR *dirp**);**

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

telldir():
    _XOPEN_SOURCE
      || /* glibc >= 2.19: */ _DEFAULT_SOURCE
      || /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION
The **telldir**() function returns the current location associated with the directory stream *dirp*.

RETURN VALUE
On success, the **telldir**() function returns the current location in the directory stream. On error, −1 is returned, and *errno* is set to indicate the error.

ERRORS
EBADF
        Invalid directory stream descriptor *dirp*.

ATTRIBUTES
For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
telldir()	Thread safety	MT-Safe

STANDARDS
POSIX.1-2001, POSIX.1-2008, 4.3BSD.

NOTES
Up to glibc 2.1.1, the return type of **telldir**() was *off_t*. POSIX.1-2001 specifies *long*, and this is the type used since glibc 2.1.2.

In early filesystems, the value returned by **telldir**() was a simple file offset within a directory. Modern filesystems use tree or hash structures, rather than flat tables, to represent directories. On such filesystems, the value returned by **telldir**() (and used internally by **readdir**(3)) is a "cookie" that is used by the implementation to derive a position within a directory. Application programs should treat this strictly as an opaque value, making *no* assumptions about its contents.

SEE ALSO
closedir(3), **opendir**(3), **readdir**(3), **rewinddir**(3), **scandir**(3), **seekdir**(3)