NAME

_llseek − reposition read/write file offset

LIBRARY

Standard C library (*libc*, *−lc*)

SYNOPSIS

```
#include <sys/syscall.h>      /* Definition of SYS_* constants */
#include <unistd.h>

int syscall(SYS__llseek, unsigned int fd, unsigned long of fset_high,
        unsigned long offset_low, loff_t *result,
        unsigned int whence);
```

Note: glibc provides no wrapper for **_llseek**(), necessitating the use of **syscall**(2).

DESCRIPTION

Note: for information about the **llseek**(3) library function, see **lseek64**(3).

The **_llseek**() system call repositions the offset of the open file description associated with the file descriptor *fd* to the value

(offset_high << 32) | offset_low

This new offset is a byte offset relative to the beginning of the file, the current file offset, or the end of the file, depending on whether *whence* is **SEEK_SET**, **SEEK_CUR**, or **SEEK_END**, respectively.

The new file offset is returned in the argument *result*. The type*lof f_t* is a 64-bit signed type.

This system call exists on various 32-bit platforms to support seeking to large file offsets.

RETURN VALUE

Upon successful completion, **_llseek**() returns 0. Otherwise, a value of −1 is returned and *errno* is set to indicate the error.

ERRORS

EBADF
fd is not an open file descriptor.

EFAULT
Problem with copying results to user space.

EINVAL
whence is invalid.

STANDARDS

This function is Linux-specific, and should not be used in programs intended to be portable.

NOTES

You probably want to use the **lseek**(2) wrapper function instead.

SEE ALSO

lseek(2), **open**(2), **lseek64**(3)