NAME

futimes, lutimes − change file timestamps

SYNOPSIS

#include <sys/time.h>

int futimes(int *fd*, **const struct timeval** *tv*[**2**]**);**

int lutimes(const char * *filename*, **const struct timeval** *tv*[**2**]**);**

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

futimes(), **lutimes**():
Since glibc 2.19:
_DEFAULT_SOURCE
Glibc 2.19 and earlier:
_BSD_SOURCE

DESCRIPTION

futimes() changes the access and modification times of a file in the same way as **utimes**(2), with the difference that the file whose timestamps are to be changed is specified via a file descriptor, *fd*, rather than via a pathname.

lutimes() changes the access and modification times of a file in the same way as **utimes**(2), with the difference that if *filename* refers to a symbolic link, then the link is not dereferenced: instead, the timestamps of the symbolic link are changed.

RETURN VALUE

On success, zero is returned. On error, −1 is returned, and *errno* is set appropriately.

ERRORS

Errors are as for **utimes**(2), with the following additions for **futimes**():

EBADF
fd is not a valid file descriptor.

ENOSYS
The */proc* filesystem could not be accessed.

The following additional error may occur for **lutimes**():

ENOSYS
The kernel does not support this call; Linux 2.6.22 or later is required.

VERSIONS

futimes() is available since glibc 2.3. **lutimes**() is available since glibc 2.6, and is implemented using the **utimensat**(2) system call, which is supported since kernel 2.6.22.

ATTRIBUTES

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

Interface	Attribute	Value
futimes(), **lutimes**()	Thread safety	MT-Safe

CONFORMING TO

These functions are not specified in any standard. Other than Linux, they are available only on the BSDs.

SEE ALSO

utime(2), **utimensat**(2), **symlink**(7)

COLOPHON

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