

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(): _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

Multithreading (see [pthreads\(7\)](#))

The **futimes()** and **lutimes()** functions are thread-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

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.