

**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/>.