



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'futimes.3'***

**C:\>man futimes.3**

FUTIMES(3)                      Linux Programmer's Manual                      FUTIMES(3)

### 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 appropri?

ately.

## 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).

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?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

This page is part of release 5.05 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 <https://www.kernel.org/doc/man-pages/>.