



Linux Ubuntu 26.04 Manual Pages on command 'futimesat.2'

\$ man futimesat.2

futimesat(2) System Calls Manual futimesat(2)

NAME

futimesat - change timestamps of a file relative to a directory file descriptor

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <fcntl.h>                /* Definition of AT_* constants */
```

```
#include <sys/time.h>
```

```
[[deprecated]] int futimesat(int dirfd, const char *path,  
                              const struct timeval times[2]);
```

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

```
futimesat():
```

```
  _GNU_SOURCE
```

DESCRIPTION

This system call is obsolete. Use utimensat(2) instead.

The futimesat() system call operates in exactly the same way as utimes(2), except for the differences described in this manual page.

If path is relative, then it is interpreted relative to the directory referred to by the file descriptor dirfd (rather than relative to the current working directory of the calling process, as is done by utimes(2) for a relative pathname).

If path is relative and dirfd is the special value AT_FDCWD, then path is interpreted relative to the current working directory of the calling process (like utimes(2)).

If path is absolute, then dirfd is ignored. (See openat(2) for an explanation of why the

dirfd argument is useful.)

RETURN VALUE

On success, futimesat() returns a 0. On error, -1 is returned and errno is set to indicate the error.

ERRORS

The same errors that occur for utimes(2) can also occur for futimesat(). The following additional errors can occur for futimesat():

EBADF path is relative but dirfd is neither AT_FDCWD nor a valid file descriptor.

ENOTDIR

path is relative and dirfd is a file descriptor referring to a file other than a directory.

VERSIONS

glibc

If path is NULL, then the glibc futimesat() wrapper function updates the times for the file referred to by dirfd.

STANDARDS

None.

HISTORY

Linux 2.6.16, glibc 2.4.

It was implemented from a specification that was proposed for POSIX.1, but that specification was replaced by the one for utimensat(2).

A similar system call exists on Solaris.

NOTES

SEE ALSO

stat(2), utimensat(2), utimes(2), futimes(3), path_resolution(7)

Linux man-pages 6.17

2026-02-08

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