

NAME

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

SYNOPSIS

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

int futimesat(int dirfd, const char *pathname,
               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This system call is obsolete.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 the *pathname* given in *pathname* 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 *pathname* is relative and *dirfd* is the special value **AT_FDCWD**, then *pathname* is interpreted relative to the current working directory of the calling process (like **utimes(2)**).

If *pathname* is absolute, then *dirfd* is ignored.

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

dirfd is not a valid file descriptor.

ENOTDIR

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

VERSIONS

futimesat() was added to Linux in kernel 2.6.16; library support was added to glibc in version 2.4.

CONFORMING TO

This system call is nonstandard. 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

Glibc notes

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

SEE ALSO

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

COLOPHON

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