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This system call is obsolete.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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