Red Hat Enterprise Linux Release 9.2 Manual Pages on 'futimesat.2' command

$ man futimesat.2

FUTIMESAT(2)　　　　　　Linux Programmer's Manual　　　　　　FUTIMESAT(2)

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　　This system call is obsolete.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 er?

rno is set to indicate the error.

ERRORS

The same errors that occur for utimes(2) can also occur for futime?

sat(). 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 specifica?

tion 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 up?

dates the times for the file referred to by dirfd.

SEE ALSO

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

COLOPHON

This page is part of release 5.10 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/.