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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ftime.3' command

\$ man ftime.3

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

NAME

ftime - return date and time

SYNOPSIS

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

int ftime(struct timeb *tp);
```

DESCRIPTION

NOTE: This function is deprecated, and will be removed in a future version of the GNU C library. Use `clock_gettime(2)` instead.

This function returns the current time as seconds and milliseconds since the Epoch, 1970-01-01 00:00:00 +0000 (UTC). The time is returned in `tp`, which is declared as follows:

```
struct timeb {
    time_t      time;
    unsigned short millitm;
    short       timezone;
    short       dstflag;
};
```

Here `time` is the number of seconds since the Epoch, and `millitm` is the number of milliseconds since time seconds since the Epoch. The `timezone` field is the local timezone measured in minutes of time west of Greenwich (with a negative value indicating minutes east of Greenwich).

The `dstflag` field is a flag that, if nonzero, indicates that Daylight

Saving time applies locally during the appropriate part of the year.

POSIX.1-2001 says that the contents of the timezone and dstflag fields are unspecified; avoid relying on them.

RETURN VALUE

This function always returns 0. (POSIX.1-2001 specifies, and some systems document, a -1 error return.)

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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?Interface ? Attribute ? Value ?

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?ftime() ? Thread safety ? MT-Safe ?

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CONFORMING TO

4.2BSD, POSIX.1-2001. POSIX.1-2008 removes the specification of ftime().

This function is obsolete. Don't use it. If the time in seconds suffices, time(2) can be used; gettimeofday(2) gives microseconds; clock_gettime(2) gives nanoseconds but is not as widely available.

BUGS

Early glibc2 is buggy and returns 0 in the millitm field; glibc 2.1.1 is correct again.

SEE ALSO

gettimeofday(2), time(2)

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/>.