

**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)**.

Interface	Attribute	Value
<b>ftime()</b>	Thread safety	MT-Safe

**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This function is obsolete.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**

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