



**Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!**

### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'fgetwc.3'***

**\$ man fgetwc.3**

FGETWC(3)

Linux Programmer's Manual

FGETWC(3)

#### **NAME**

fgetwc, getwc - read a wide character from a FILE stream

#### **SYNOPSIS**

```
#include <stdio.h>
#include <wchar.h>
wint_t fgetwc(FILE *stream);
wint_t getwc(FILE *stream);
```

#### **DESCRIPTION**

The fgetwc() function is the wide-character equivalent of the fgetc(3) function. It reads a wide character from stream and returns it. If the end of stream is reached, or if feof(stream) becomes true, it returns WEOF. If a wide-character conversion error occurs, it sets errno to EILSEQ and returns WEOF.

The getwc() function or macro functions identically to fgetwc(). It may be implemented as a macro, and may evaluate its argument more than once. There is no reason ever to use it.

For nonlocking counterparts, see unlocked\_stdio(3).

#### **RETURN VALUE**

The fgetwc() function returns the next wide-character from the stream, or WEOF. In the event of an error, errno is set to indicate the cause.

#### **ERRORS**

Apart from the usual ones, there is

EILSEQ The data obtained from the input stream does not form a valid character.

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

???

?Interface ? Attribute ? Value ?

???

?fgetwc(), getwc() ? Thread safety ? MT-Safe ?

???

## CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99.

## NOTES

The behavior of fgetwc() depends on the LC\_CTYPE category of the current locale.

In the absence of additional information passed to the fopen(3) call, it is reasonable to expect that fgetwc() will actually read a multibyte sequence from the stream and then convert it to a wide character.

## SEE ALSO

fgetws(3), fputwc(3), ungetwc(3), unlocked\_stdio(3)

## 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/>.

GNU

2015-08-08

FGETWC(3)