Rocky Enterprise Linux 9.2 Manual Pages on command 'getwc.3'

$ man getwc.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);

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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 fer?

    ror(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.

ATTRIBUTES

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 con?

vert 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/.

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