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

$ man mbrlen.3

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

NAME

   mbrlen - determine number of bytes in next multibyte character

SYNOPSIS

   #include <wchar.h>

   size_t mbrlen(const char *s, size_t n, mbstate_t *ps);

DESCRIPTION

   The mbrlen() function inspects at most n bytes of the multibyte string

   starting at s and extracts the next complete multibyte character.   It

   updates the shift state *ps. If the multibyte character is not the

   null wide character, it returns the number of bytes that were consumed

   from s. If the multibyte character is the null wide character, it re?

   sets the shift state *ps to the initial state and returns 0.

   If the n bytes starting at s do not contain a complete multibyte char?

   acter, mbrlen() returns (size_t) -2. This can happen even if n >=

   MB_CUR_MAX, if the multibyte string contains redundant shift sequences.

   If the multibyte string starting at s contains an invalid multibyte se?

   quence before the next complete character, mbrlen() returns (size_t) -1

and sets errno to EILSEQ. In this case, the effects on *ps are unde?
fined.

If ps is NULL, a static anonymous state known only to the mbrlen()
function is used instead.

RETURN VALUE

The mbrlen() function returns the number of bytes parsed from the
multibyte sequence starting at s, if a non-null wide character was rec?
ognized. It returns 0, if a null wide character was recognized.   It
returns (size_t) -1 and sets errno to EILSEQ, if an invalid multibyte
sequence was encountered. It returns (size_t) -2 if it couldn't parse
a complete multibyte character, meaning that n should be increased.

ATTRIBUTES

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

???
?Interface ? Attribute   ? Value   ?
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?mbrlen() ? Thread safety ? MT-Unsafe race:mbrlen/!ps ?
???

CONFORMING TO

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

NOTES

The behavior of mbrlen() depends on the LC_CTYPE category of the cur?
rent locale.

SEE ALSO

mbrtowc(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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