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

\$ man btowc.3p

BTOWC(3P) POSIX Programmer's Manual BTOWC(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

btowc ? single byte to wide character conversion

SYNOPSIS

```
#include <stdio.h>
#include <wchar.h>
wint_t btowc(int c);
```

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The `btowc()` function shall determine whether `c` constitutes a valid (one-byte) character in the initial shift state.

The behavior of this function shall be affected by the `LC_CTYPE` category of the current locale.

RETURN VALUE

The `btowc()` function shall return `WEOF` if `c` has the value `EOF` or if

(unsigned char) c does not constitute a valid (one-byte) character in the initial shift state. Otherwise, it shall return the wide-character representation of that character.

In the POSIX locale, btowc() shall not return WEOF if c has a value in the range 0 to 255 inclusive.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

wctob()

The Base Definitions volume of POSIX.1-2017, <stdio.h>, <wchar.h>

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