



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 'towupper_I.3'

\$ man towupper_I.3

TOWUPPER(3)

Linux Programmer's Manual

TOWUPPER(3)

NAME

towupper, towupper_I - convert a wide character to uppercase

SYNOPSIS

```
#include <wctype.h>

wint_t towupper(wint_t wc);

wint_t towupper_I(wint_t wc, locale_t locale);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

towupper_I():

Since glibc 2.10:

_XOPEN_SOURCE >= 700

Before glibc 2.10:

_GNU_SOURCE

DESCRIPTION

The `towupper()` function is the wide-character equivalent of the `toupper(3)` function. If `wc` is a lowercase wide character, and there exists an uppercase equivalent in the current locale, it returns the uppercase equivalent of `wc`. In all other cases, `wc` is returned un? changed.

The `towupper_I()` function performs the same task, but performs the conversion based on the character type information in the locale specified by `locale`. The behavior of `towupper_I()` is undefined if `locale` is the special locale object `LC_GLOBAL_LOCALE` (see `duplo? cale(3)`) or is not a valid locale object handle.

The `wc` argument must be representable as a `wchar_t` and be a valid character in the locale or be the value `WEOF`.

RETURN VALUE

If `wc` was convertible to uppercase, `towupper()` returns its uppercase equivalent; otherwise it returns `wc`.

VERSIONS

The `towupper_l()` function first appeared in glibc 2.3.

ATTRIBUTES

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

??

?Interface ? Attribute ? Value ?

??

?`towupper()` ? Thread safety ? MT-Safe locale ?

??

?`towupper_l()` ? Thread safety ? MT-Safe ?

??

CONFORMING TO

`towupper()`: C99, POSIX.1-2001 (XSI); present as an XSI extension in POSIX.1-2008, but marked obsolete.

`towupper_l()`: POSIX.1-2008.

NOTES

The behavior of these functions depends on the `LC_CTYPE` category of the locale.

These functions are not very appropriate for dealing with Unicode characters, because Unicode knows about three cases: upper, lower and title case.

SEE ALSO

`iswupper(3)`, `towctrans(3)`, `towlower(3)`, `locale(7)`

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/>.