



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

\$ man towupper.3

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

NAME

towupper, towupper_l - convert a wide character to uppercase

SYNOPSIS

```
#include <wctype.h>
```

```
wint_t towupper(wint_t wc);
```

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

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

towupper_l():

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 unchanged.

The towupper_l() 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_l() is undefined if locale is the special locale object LC_GLOBAL_LOCALE (see duplocale(3)) or is not a valid locale object handle.

The argument wc 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).

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?Interface ? Attribute ? Value ?

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

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

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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/>.

GNU

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