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***Rocky Enterprise Linux 9.2 Manual Pages on command 'wctrans.3'***

**\$ man wctrans.3**

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

**NAME**

wctrans - wide-character translation mapping

**SYNOPSIS**

```
#include <wctype.h>

wctrans_t wctrans(const char *name);
```

**DESCRIPTION**

The `wctrans_t` type represents a mapping which can map a wide character to another wide character. Its nature is implementation-dependent, but the special value `(wctrans_t) 0` denotes an invalid mapping. Nonzero `wctrans_t` values can be passed to the `towctrans(3)` function to actually perform the wide-character mapping.

The `wctrans()` function returns a mapping, given by its name. The set of valid names depends on the `LC_CTYPE` category of the current locale, but the following names are valid in all locales.

- "tolower" - realizes the `tolower(3)` mapping
- "toupper" - realizes the `toupper(3)` mapping

**RETURN VALUE**

The `wctrans()` function returns a mapping descriptor if the name is valid. Otherwise, it returns `(wctrans_t) 0`.

**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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?wctrans() ? Thread safety ? MT-Safe locale ?

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CONFORMING TO

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

NOTES

The behavior of wctrans() depends on the LC\_CTYPE category of the current locale.

SEE ALSO

towctrans(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/>.

GNU

2015-08-08

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