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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'wctype.h.0p' command

\$ man wctype.h.0p

wctype.h(0P) POSIX Programmer's Manual wctype.h(0P)

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

wctype.h ? wide-character classification and mapping utilities

SYNOPSIS

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

DESCRIPTION

Some of the functionality described on this reference page extends the ISO C standard. Applications shall define the appropriate feature test macro (see the System Interfaces volume of POSIX.1?2017, Section 2.2, The Compilation Environment) to enable the visibility of these symbols in this header.

The <wctype.h> header shall define the following types:

wint_t As described in <wchar.h>.

wctrans_t A scalar type that can hold values which represent locale-specific character mappings.

wctype_t As described in <wchar.h>.

The <wctype.h> header shall define the locale_t type as described in <locale.h>.

The <wctype.h> header shall define the following macro:

WEOF As described in <wchar.h>.

For all functions described in this header that accept an argument of type `wint_t`, the value is representable as a `wchar_t` or equals the value of `WEOF`. If this argument has any other value, the behavior is undefined.

The behavior of these functions shall be affected by the `LC_CTYPE` category of the current locale.

Inclusion of the <wctype.h> header may make visible all symbols from the headers <ctype.h>, <stdarg.h>, <stddef.h>, <stdio.h>, <stdlib.h>, <string.h>, <time.h>, and <wchar.h>.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided for use with ISO C standard compilers.

```
int iswalnum(wint_t);
int iswalnum_l(wint_t, locale_t);
int iswalpha(wint_t);
int iswalpha_l(wint_t, locale_t);
int iswblank(wint_t);
int iswblank_l(wint_t, locale_t);
int iswcntrl(wint_t);
int iswcntrl_l(wint_t, locale_t);
int iswctype(wint_t, wctype_t);
int iswctype_l(wint_t, wctype_t, locale_t);
int iswdigit(wint_t);
int iswdigit_l(wint_t, locale_t);
int iswgraph(wint_t);
int iswgraph_l(wint_t, locale_t);
int iswlower(wint_t);
int iswlower_l(wint_t, locale_t);
int iswprint(wint_t);
int iswprint_l(wint_t, locale_t);
int iswpunct(wint_t);
```

```
int    iswpunct_l(wint_t, locale_t);
int    iswspace(wint_t);
int    iswspace_l(wint_t, locale_t);
int    iswupper(wint_t);
int    iswupper_l(wint_t, locale_t);
int    iswxdigit(wint_t);
int    iswxdigit_l(wint_t, locale_t);
wint_t towctrans(wint_t, wctrans_t);
wint_t towctrans_l(wint_t, wctrans_t, locale_t);
wint_t towlower(wint_t);
wint_t towlower_l(wint_t, locale_t);
wint_t towupper(wint_t);
wint_t towupper_l(wint_t, locale_t);
wctrans_t wctrans(const char *);
wctrans_t wctrans_l(const char *, locale_t);
wctype_t wctype(const char *);
wctype_t wctype_l(const char *, locale_t);
```

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

<ctype.h>, <locale.h>, <stdarg.h>, <stddef.h>, <stdio.h>, <stdlib.h>,
<string.h>, <time.h>, <wchar.h>

The System Interfaces volume of POSIX.1?2017, Section 2.2, The Compila?
tion Environment, iswalnum(), iswalpha(), iswblank(), iswcntrl(), iswc?
type(), iswdigit(), iswgraph(), iswlower(), iswprint(), iswpunct(),
iswspace(), iswupper(), iswxdigit(), setlocale(), towctrans(),
towlower(), towupper(), wctrans(), wctype()

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wctype.h(OP)