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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'wscoll.3p' command**

**\$ man wscoll.3p**

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

wscoll, wscoll\_l ? wide-character string comparison using collating information

### SYNOPSIS

```
#include <wchar.h>

int wscoll(const wchar_t *ws1, const wchar_t *ws2);

int wscoll_l(const wchar_t *ws1, const wchar_t *ws2,
             locale_t locale);
```

### DESCRIPTION

For wscoll(): 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 wscoll() and wscoll\_l() functions shall compare the wide-character string pointed to by ws1 to the wide-character string pointed to by ws2, both interpreted as appropriate to the LC\_COLLATE category of the current locale, or the locale represented by locale, respectively.

The `wscoll()` and `wscoll_l()` functions shall not change the setting of `errno` if successful.

An application wishing to check for error situations should set `errno` to 0 before calling `wscoll()` or `wscoll_l()`. If `errno` is non-zero on return, an error has occurred.

The behavior is undefined if the locale argument to `wscoll_l()` is the special locale object `LC_GLOBAL_LOCALE` or is not a valid locale object handle.

## RETURN VALUE

Upon successful completion, `wscoll()` and `wscoll_l()` shall return an integer greater than, equal to, or less than 0, according to whether the wide-character string pointed to by `ws1` is greater than, equal to, or less than the wide-character string pointed to by `ws2`, when both are interpreted as appropriate to the current locale, or to the locale represented by `locale`, respectively. On error, `wscoll()` and `wscoll_l()` shall set `errno`, but no return value is reserved to indicate an error.

## ERRORS

These functions may fail if:

**EINVAL** The `ws1` or `ws2` arguments contain wide-character codes outside the domain of the collating sequence.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

The `wcsxfrm()` and `wcscmp()` functions should be used for sorting large lists.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`wcscmp()`, `wcsxfrm()`

The Base Definitions volume of POSIX.1?2017, `<wchar.h>`

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