



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'uselocale.3p' command

\$ man uselocale.3p

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

uselocale ? use locale in current thread

SYNOPSIS

```
#include <locale.h>
```

```
locale_t uselocale(locale_t newloc);
```

DESCRIPTION

The `uselocale()` function shall set or query the current locale for the calling thread.

The value for the `newloc` argument shall be one of the following:

1. A value returned by the `newlocale()` or `duplocale()` functions
2. The special locale object descriptor `LC_GLOBAL_LOCALE`
3. `(locale_t)0`

If the `newloc` argument is `(locale_t)0`, the current locale shall not be changed; this value can be used to query the current locale setting. If the `newloc` argument is `LC_GLOBAL_LOCALE`, any thread-local locale for the calling thread shall be uninstalled; the thread shall again use the global locale as the current locale, and changes to the global locale

shall affect the thread. Otherwise, the locale represented by `newloc` shall be installed as a thread-local locale to be used as the current locale for the calling thread.

Once the `uselocale()` function has been called to install a thread-local locale, the behavior of every interface using data from the current locale shall be affected for the calling thread. The current locale for other threads shall remain unchanged.

RETURN VALUE

Upon successful completion, the `uselocale()` function shall return a handle for the thread-local locale that was in use as the current locale for the calling thread on entry to the function, or `LC_GLOBAL_LOCALE` if no thread-local locale was in use. Otherwise, `uselocale()` shall return `(locale_t)0` and set `errno` to indicate the error.

ERRORS

The `uselocale()` function may fail if:

`EINVAL` `newloc` is not a valid locale object and is not `(locale_t)0`.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

Unlike the `setlocale()` function, the `uselocale()` function does not allow replacing some locale categories only. Applications that need to install a locale which differs only in a few categories must use `uselocale()` to change a locale object equivalent to the currently used locale and install it.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`duplocale()`, `freelocale()`, `newlocale()`, `setlocale()`

The Base Definitions volume of POSIX.1-2017, `<locale.h>`

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