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

\$ man mbsinit.3p

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

mbsinit ? determine conversion object status

SYNOPSIS

```
#include <wchar.h>

int mbsinit(const mbstate_t *ps);
```

DESCRIPTION

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.

If `ps` is not a null pointer, the `mbsinit()` function shall determine whether the object pointed to by `ps` describes an initial conversion state.

RETURN VALUE

The `mbsinit()` function shall return non-zero if `ps` is a null pointer, or if the pointed-to object describes an initial conversion state; otherwise, it shall return zero.

If an `mbstate_t` object is altered by any of the functions described as "restartable", and is then used with a different character sequence, or in the other conversion direction, or with a different `LC_CTYPE` category setting than on earlier function calls, the behavior is undefined.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

The `mbstate_t` object is used to describe the current conversion state from a particular character sequence to a wide-character sequence (or vice versa) under the rules of a particular setting of the `LC_CTYPE` category of the current locale.

The initial conversion state corresponds, for a conversion in either direction, to the beginning of a new character sequence in the initial shift state. A zero valued `mbstate_t` object is at least one way to describe an initial conversion state. A zero valued `mbstate_t` object can be used to initiate conversion involving any character sequence, in any `LC_CTYPE` category setting.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`mbrlen()`, `mbrtowc()`, `mbsrtowcs()`, `wcrtomb()`, `wcsrtombs()`

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

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