

NAME

memcpy – copy memory area

SYNOPSIS

```
#include <string.h>
```

```
void *memcpy(void *dest, const void *src, size_t n);
```

DESCRIPTION

The **memcpy()** function copies *n* bytes from memory area *src* to memory area *dest*. The memory areas must not overlap. Use **memmove(3)** if the memory areas do overlap.

RETURN VALUE

The **memcpy()** function returns a pointer to *dest*.

ATTRIBUTES

Multithreading (see pthreads(7))

The **memcpy()** function is thread-safe.

CONFORMING TO

SVr4, 4.3BSD, C89, C99, POSIX.1-2001.

SEE ALSO

bcopy(3), **memccpy(3)**, **memmove(3)**, **mempcpy(3)**, **strcpy(3)**, **strncpy(3)**, **wmemcpy(3)**

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.