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

***\$ man memcpy.3p***

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

memcpy ? copy bytes in memory

### SYNOPSIS

```
#include <string.h>

void *memcpy(void *restrict s1, const void *restrict s2, size_t n);
```

### 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.

The memcpy() function shall copy n bytes from the object pointed to by s2 into the object pointed to by s1. If copying takes place between objects that overlap, the behavior is undefined.

### RETURN VALUE

The memcpy() function shall return s1; no return value is reserved to indicate an error.

### ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

The `memcpy()` function does not check for the overflow of the receiving memory area.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

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

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