## NAME

**munmap** - remove a mapping

## LIBRARY

Standard C Library (libc, -lc)

## SYNOPSIS

**#include <sys/mman.h>**

*int*
**munmap**(*void \*addr*, *size_t len*);

## DESCRIPTION

The **munmap**() system call deletes the mappings and guards for the specified address range, and causes further references to addresses within the range to generate invalid memory references.

## RETURN VALUES

The **munmap**() function returns the value 0 if successful; otherwise the value -1 is returned and the global variable *errno* is set to indicate the error.

## ERRORS

The **munmap**() system call will fail if:

[EINVAL]          The *addr* argument was not page aligned, the *len* argument was zero or negative, or some part of the region being unmapped is outside the valid address range for a process.

## SEE ALSO

madvise(2), mincore(2), mmap(2), mprotect(2), msync(2), getpagesize(3)

## HISTORY

The **munmap**() system call first appeared in 4.4BSD.