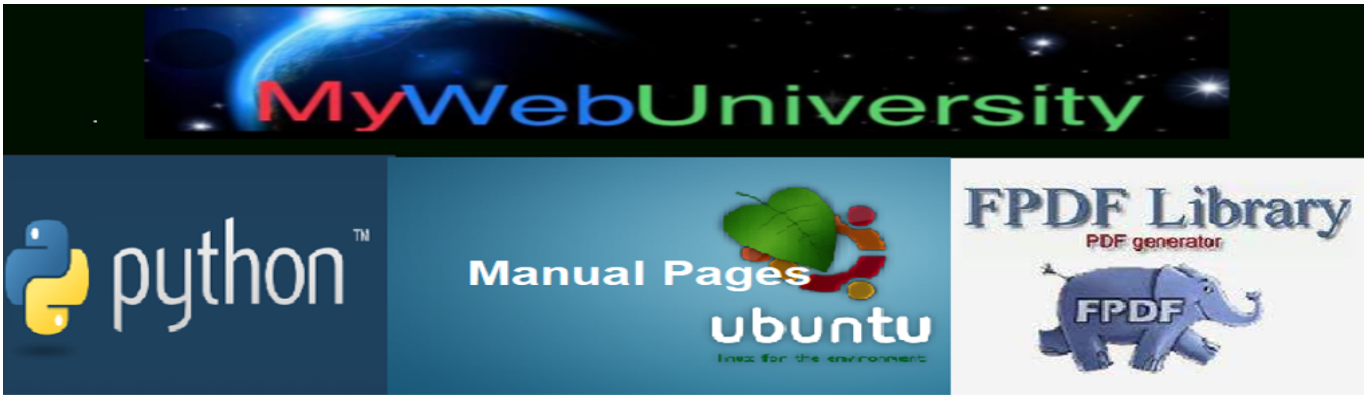

Rocky Enterprise Linux 9.2 Manual Pages on command 'sem_destroy.3'

$ man sem_destroy.3

SEM_DESTROY(3) Linux Programmer's Manual SEM_DESTROY(3)

NAME

sem_destroy - destroy an unnamed semaphore

SYNOPSIS

#include <semaphore.h>

int sem_destroy(sem_t *sem);

Link with -pthread.

DESCRIPTION

sem_destroy() destroys the unnamed semaphore at the address pointed to by sem.

Only a semaphore that has been initialized by sem_init(3) should be destroyed using sem_destroy().

Destroying a semaphore that other processes or threads are currently blocked on (in sem_wait(3)) produces undefined behavior.

Using a semaphore that has been destroyed produces undefined results, until the semaphore has been reinitialized using sem_init(3).

RETURN VALUE

sem_destroy() returns 0 on success; on error, -1 is returned, and errno is set to indicate the error.

ERRORS

EINVAL sem is not a valid semaphore.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

??

?Interface ? Attribute ? Value ?

??

?sem_destroy() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

POSIX.1-2001, POSIX.1-2008.

NOTES

An unnamed semaphore should be destroyed with sem_destroy() before the memory in which it is located is deallocated. Failure to do this can result in resource leaks on some imple? mentations.

SEE ALSO

sem_init(3), sem_post(3), sem_wait(3), sem_overview(7)

COLOPHON

This page is part of release 5.10 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 https://www.kernel.org/doc/man-pages/.