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

$ man sem_post.3

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

NAME

   sem_post - unlock a semaphore

SYNOPSIS

   #include <semaphore.h>

   int sem_post(sem_t *sem);

   Link with -pthread.

DESCRIPTION

   sem_post() increments (unlocks) the semaphore pointed to by sem. If the semaphore's value

   consequently becomes greater than zero, then another process or thread blocked in a

   sem_wait(3) call will be woken up and proceed to lock the semaphore.

RETURN VALUE

   sem_post() returns 0 on success; on error, the value of the semaphore is left unchanged,

   -1 is returned, and errno is set to indicate the error.

ERRORS

   EINVAL sem is not a valid semaphore.

   EOVERFLOW

      The maximum allowable value for a semaphore would be exceeded.

ATTRIBUTES

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

   ???

   ?Interface ? Attribute   ? Value   ?

   ???

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

??????????????????????????????????????

CONFORMING TO

POSIX.1-2001.

NOTES

sem_post() is async-signal-safe: it may be safely called within a signal handler.

EXAMPLES

See sem_wait(3) and shm_open(3).

SEE ALSO

sem_getvalue(3), sem_wait(3), sem_overview(7), signal-safety(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/.

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