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

$ man sem_getvalue.3

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

NAME

    sem_getvalue - get the value of a semaphore

SYNOPSIS

    #include <semaphore.h>

    int sem_getvalue(sem_t *sem, int *sval);

    Link with -pthread.

DESCRIPTION

    sem_getvalue() places the current value of the semaphore pointed to sem

    into the integer pointed to by sval.

    If one or more processes or threads are blocked waiting to lock the

    semaphore with sem_wait(3), POSIX.1 permits two possibilities for the

    value returned in sval: either 0 is returned; or a negative number

    whose absolute value is the count of the number of processes and

    threads currently blocked in sem_wait(3). Linux adopts the former be?

    havior.

RETURN VALUE

    sem_getvalue() 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. (The glibc implementation cur?

      rently does not check whether sem is valid.)

ATTRIBUTES

   For an explanation of the terms used in this section, see at?

   tributes(7).

   ??

   ?Interface   ? Attribute   ? Value   ?

   ??

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

   ??

CONFORMING TO

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

NOTES

   The value of the semaphore may already have changed by the time

   sem_getvalue() returns.

SEE ALSO

   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/.

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