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 pro?

   cesses and threads currently blocked in sem_wait(3). Linux adopts the former behavior.

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 currently does not check

      whether sem is valid.)

ATTRIBUTES

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