Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sem_post.3' command

$ 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 an?

　　other 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 er?

　　ror.

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 at?

　　tributes(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 sig?

nal 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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