

NAME

ipcrm - remove the specified message queues, semaphore sets, and shared segments

SYNOPSIS

ipcrm [-W] [-v] [-q *msqid*] [-m *shmid*] [-s *semid*] [-Q *msgkey*] [-M *shmkey*] [-S *semkey*] ...

DESCRIPTION

The **ipcrm** utility removes the specified message queues, semaphores and shared memory segments. These System V IPC objects can be specified by their creation ID or any associated key.

The following options are generic:

- v If specified once with -W or with -l for an object, it will show all removed objects. If specified twice with -W or with -l for an objects, it will show all removed objects and all failed removals.
- W Try to wipe all specified message queues, semaphores and shared memory segments.
- y Use the `kvm(3)` interface instead of the `sysctl(3)` interface to extract the required information. If **ipcrm** is to operate on the running system, using `kvm(3)` will require read privileges to `/dev/kmem`.

The following options are used to specify which IPC objects will be removed. Any number and combination of these options can be used:

- q *msqid*
Remove the message queue associated with the ID *msqid* from the system.
- m *shmid*
Mark the shared memory segment associated with ID *shmid* for removal. This marked segment will be destroyed after the last detach.
- s *semid*
Remove the semaphore set associated with ID *semid* from the system.
- Q *msgkey*
Remove the message queue associated with key *msgkey* from the system.
- M *shmkey*
Mark the shared memory segment associated with key *shmkey* for removal. This marked segment will be destroyed after the last detach.

-S *semkey*

Remove the semaphore set associated with key *semkey* from the system.

The identifiers and keys associated with these System V IPC objects can be determined by using `ipcs(1)`. If the identifier or the key is `-1`, it will remove all these objects.

SEE ALSO

`ipcs(1)`

HISTORY

The wiping of all System V IPC objects was first implemented in FreeBSD 6.4 and 7.1.

AUTHORS

The original author was Adam Glass. The wiping of all System V IPC objects was thought up by Callum Gibson and extended and implemented by Edwin Groothuis.