



Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!

Rocky Enterprise Linux 9.2 Manual Pages on command 'ipcs.1'

\$ man ipcs.1

IPCS(1) User Commands IPCS(1)

NAME

ipcs - show information on IPC facilities

SYNOPSIS

ipcs [options]

DESCRIPTION

ipcs shows information on System V inter-process communication facilities. By default it shows information about all three resources: shared memory segments, message queues, and semaphore arrays.

OPTIONS

-i, --id id

Show full details on just the one resource element identified by id. This option needs to be combined with one of the three resource options: -m, -q or -s.

-h, --help

Display help text and exit.

-V, --version

Display version information and exit.

Resource options

-m, --shmems

Write information about active shared memory segments.

-q, --queues

Write information about active message queues.

-s, --semaphores

Write information about active semaphore sets.

-a, --all

Write information about all three resources (default).

Output formats

Of these options only one takes effect: the last one specified.

-c, --creator

Show creator and owner.

-l, --limits

Show resource limits.

-p, --pid

Show PIDs of creator and last operator.

-t, --time

Write time information. The time of the last control operation that changed the access permissions for all facilities, the time of the last `msgsnd(2)` and `msgrcv(2)` operations on message queues, the time of the last `shmat(2)` and `shmdt(2)` operations on shared memory, and the time of the last `semop(2)` operation on semaphores.

-u, --summary

Show status summary.

Representation

These affect only the `-l` (`--limits`) option.

-b, --bytes

Print sizes in bytes.

--human

Print sizes in human-readable format.

CONFORMING TO

The Linux `ipcs` utility is not fully compatible to the POSIX `ipcs` utility. The Linux version does not support the POSIX `-a`, `-b` and `-o` options, but does support the `-l` and `-u` options not defined by POSIX. A portable application shall not use the `-a`, `-b`, `-o`, `-l`, and `-u` options.

NOTES

The current implementation of `ipcs` obtains information about available IPC resources by parsing the files in `/proc/sysvipc`. Before `util-linux` version `v2.23`, an alternate mechanism was used: the `IPC_STAT` command of `msgctl(2)`, `semctl(2)`, and `shmctl(2)`. This

mechanism is also used in later util-linux versions in the case where /proc is unavailable. A limitation of the IPC_STAT mechanism is that it can only be used to retrieve information about IPC resources for which the user has read permission.

AUTHORS

Krishna Balasubramanian <balasub@cis.ohio-state.edu>

SEE ALSO

ipcmk(1), ipcrm(1), msgrcv(2), msgsnd(2), semget(2), semop(2), shmat(2), shmdt(2), shmget(2), sysvipc(7)

REPORTING BUGS

For bug reports, use the issue tracker at <https://github.com/karelzak/util-linux/issues>.

AVAILABILITY

The ipcs command is part of the util-linux package which can be downloaded from Linux Kernel Archive <<https://www.kernel.org/pub/linux/utils/util-linux/>>.

util-linux 2.37.2

2021-06-02

IPCS(1)