

Smem

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1 Installation

As root

```
aptitude install smem
```

2 Show Swap Memory Usage For Processes

```
smem
```

PID	User	Command	Swap	USS	PSS	RSS
555	root	/sbin/agetty -o -p -- \u --	0	144	264	2072
561	root	/sbin/agetty -o -p -- \u --	0	256	314	1808
590	prg1	prg1/anvil	0	216	334	2528
525	root	/sbin/iscsid	0	212	392	1780
799	prg2	prg2/stats	0	272	419	2620
600	prg3	/usr/sbin/prg3 -x /etc/	888	28	431	2816

This is just a rough estimate. For exact measurements or other categories, see `man smem`.

3 Show Sorted Swap Memory Usage

A strong incentive to use `smem` is its `sort` option to understand which processes are using the most swap space. Do it as root:

```
smem -s swap
...
25488 user6   fishtai/segg           0    1272    1613    4172
   1 root     /sbin/init             4    1528    2687    8740
18521 user4   (sd-pam)              4    1624    2226    4716
18597 root    (sd-pam)              4    1560    2175    4632
  438 root    /usr/lib/udisks2/udisksd 24   3832    4562    9376
  461 shelldb /usr/sbin/shell --foreground 36 1280540 1281410
    ↪ 1285724
  628 root    /usr/sbin/cron -f      40    260     309    2248
  653 fishtai  fishtai/anringa       76    144     213    1792
  656 root    fishtai/config        104   1280    1361    3268
  604 root    /usr/sbin/fishtai -F  152    248     328    2280
  654 root    fishtai/log           184    180     233    1936
  605 root    /usr/bin/python3 /usr/bin/f  200   16276   17720
    ↪ 23088
  625 root    /usr/sbin/sshd -D     220    644     982    5424
  910 root    /usr/lib/mydbserv/main 492    396     647    2952
  440 root    /usr/bin/python3 /usr/sbin/  644   20728   22874
    ↪ 29808
  678 process /usr/sbin/process -x /etc/ 940     4     361    2336
  679 process /usr/sbin/process -x /etc/ 1236   7732    8245
    ↪ 12176
  610 daemon  /usr/sbin/goto5 -u daem -4 6580  10972   11145
    ↪ 14288
  964 amigod  /usr/sbin/amigodd-old (ch2- 29764  38600   73196
    ↪ 111100
  933 amigod  /usr/sbin/amigodd-old (main 46120  19580   54113
    ↪ 92244
```

4 History

Version	Date	Notes
0.1.2	2023-04-03	Improve writing
0.1.1	2022-06-29	Swap sort + install section, history, shell->bash
0.1.0	2020-06-10	Initial release

5 Disclaimer of Warranty

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