

NAME

slabtop – display kernel slab cache information in real time

SYNOPSIS

slabtop [*options*]

DESCRIPTION

slabtop displays detailed kernel slab cache information in real time. It displays a listing of the top caches sorted by one of the listed sort criteria. It also displays a statistics header filled with slab layer information.

OPTIONS

Normal invocation of **slabtop** does not require any options. The behavior, however, can be fine-tuned by specifying one or more of the following flags:

-d, --delay=*N*

Refresh the display every *n* in seconds. By default, **slabtop** refreshes the display every three seconds. To exit the program, hit **q**.

-s, --sort=*S*

Sort by *S*, where *S* is one of the sort criteria.

-o, --once

Display the output once and then exit.

-V, --version

Display version information and exit.

-h, --help

Display usage information and exit.

SORT CRITERIA

The following are valid sort criteria used to sort the individual slab caches and thereby determine what are the "top" slab caches to display. The default sort criteria is to sort by the number of objects ("o").

The sort criteria can also be changed while slabtop is running by pressing the associated character.

| character | description | header |
|-----------|--------------------------|------------|
| a | number of active objects | ACTIVE |
| b | objects per slab | OBJ/SLAB |
| c | cache size | CACHE SIZE |
| l | number of slabs | SLABS |
| v | number of active slabs | N/A |
| n | name | NAME |
| o | number of objects | OBJS |
| p | pages per slab | N/A |
| s | object size | OBJ SIZE |
| u | cache utilization | USE |

COMMANDS

slabtop accepts keyboard commands from the user during use. The following are supported. In the case of letters, both cases are accepted.

Each of the valid sort characters are also accepted, to change the sort routine. See the section **SORT CRITERIA**.

<SPACEBAR>

Refresh the screen.

Q

Quit the program.

FILES

/proc/slabinfo

slab information

SEE ALSO

free(1), **ps(1)**, **top(1)**, **vmstat(8)**

NOTES

Currently, **slabtop** requires a 2.4 or later kernel (specifically, a version 1.1 or later */proc/slabinfo*). Kernel 2.2 should be supported in the future.

The slabtop statistic header is tracking how many bytes of slabs are being used and is not a measure of physical memory. The 'Slab' field in the */proc/meminfo* file is tracking information about used slab physical memory.

AUTHORS

Written by Chris Rivera and Robert Love.

slabtop was inspired by Martin Bligh's perl script, **vmtop**.

REPORTING BUGS

Please send bug reports to procps@freelists.org