

NAME

clamtop – monitor the Clam AntiVirus Daemon

SYNOPSIS

clamtop [options] [clamspec ...]

DESCRIPTION

clamtop is a tool to monitor one or multiple clamd(s). It has a (color) ncurses interface, that shows the jobs in clamd's queue, memory usage, and information about the loaded signature database. You can specify on the command-line to which clamd(s) it should connect to. By default it will attempt to connect to the local clamd as defined in clamd.conf.

OPTIONS

-h, --help

Display help information and exit.

-V, --version

Print version number and exit.

--config-file=FILE

Read clamd settings from FILE, to determine how to connect to it.

clamspec

Specifies the clamd to connect to: either a path to the local (unix domain) socket of clamd, or an IP address and an port number (that defaults to 3310) to connect to a local or remote clamd using TCP/IP.

OVERVIEW**KEYS:**

H

Displays a short helpscreen, describing the meaning of various elements on the display.

Q

Quits clamtop

R

Resets the maximum values.

up arrow, down arrow

If you are monitoring multiple clamds then clamtop will show an overview screen by default. You can use the **up arrow** and **down arrow** keys to cycle through each clamd individually, and the overview screen. A blue bar will highlight the clamd that is currently shown in detail. On the overview screen none of the clamds is selected (hence no blue bar), and you can see the items from the queue of all clamds.

The top bar

Shows the version of clamtop and the current time. Clamtop updates the display once every 2 seconds.

The list of clamds

Shows the clamds that clamtop is connected to, and statistics about them.

NO Unique clamd number

CONNTIME

How long clamdtop has been connected (reset upon a reconnect)

LIV Total number of live threads

IDL Total number of idle threads

QUEUE

Number of items in queue

MAXQ

Maximum number of items observed in the queue

MEM Total memory usage (if available)

HOST Which clamd, local means unix socket

ENGINE

Engine version

DBVER

Database version

DBTIME

Database publish time

Clamd detailed view

Primary threads **live**

The number of threads that are executing commands or scanning.

Primary threads **idle**

The number of threads that are idle, waiting for commands. They will exit after IdleTimeout (30 seconds).

Primary threads **max**

The maximum number of threads configured.

Queue items

The number of items (scanjobs) in clamd's queue that are waiting for a free thread to be processed.

Queue max

The maximum number of items observed in clamd's queue.

The memory usage view

If available, it will show details on clamd's memory usage:

Mem heap

The amount of memory used by libc from the heap in MegaBytes.

Mem mmap

The amount of memory used by libc from mmap-allocated memory in MegaBytes.

Mem unused

The amount of memory that can be reclaimed by libc.

Libc used

The amount of useful memory allocated by libc.

Libc free

The amount of memory allocated by libc, that can't be freed due to fragmentation.

Libc total

The amount of memory allocated by libc from the system in total.

Pool count

The number of mmap regions allocated by clamd's memory pool allocator (for the signature database).

Pool used

The amount of memory used by clamd's memory pool allocator (for the signature database).

Total The total amount of memory allocated by clamd's memory pool allocator.

The clamd job queue**COMMAND**

Kind of command being executed, STATS is clamdtop, SCAN/CONTSCAN/FILDES/MULTI-SCAN is scan of a file/directory, MULTISCANFILE is scan of one item by a MULTISCAN job.

QUEUEDSINCE

The time since the command got queued, until now.

FILE The name of the file being processed (if applicable).

EXAMPLES

(1) To connect to the clamd configured in the default clamd.conf:

clamdtop

(2) To connect to the clamd configured in another clamd.conf:

clamdtop --config-file=/path/to/clamd.conf

(3) To connect to a clamd running on another machine (192.168.0.3) on the LAN:

clamdtop 192.168.0.3

(4) To connect to a clamd running on another machine (192.168.0.3) on a non-default port (3410):

clamdtop 192.168.0.3:3410

(5) To monitor the local clamd and 2 other remote clamds over TCP/IP:

clamdtop localhost 192.168.0.3 192.168.0.4

NOTES

clamdtop uses colors if the terminal is capable of colors. If you know your terminal is capable of colors, yet you aren't seeing any, then check that your **TERM** environment variable is set correctly. For example try setting it to TERM=xterm-color if you are in an xterm-like environment. IPv6 support has been added. If specifying an IPv6 address, please use the normal IPv6 addressing rules. If specifying both an IPv6 address and a port combination, encapsulate the IPv6 address in square brackets (e.g. [::1]:3410).

RETURN CODES

0 : Normal termination

>0: Error occurred.

CREDITS

Please check the full documentation for credits.

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SEE ALSO

clamd(8), clamd.conf(5)