

NAME

netatopd - log network statistics of finished processes

DESCRIPTION

This manual page documents the *netatopd* daemon. This daemon reads the counters of exited processes delivered by the *netatop* module and writes the counters to a logfile.

The 'usual' state of this daemon is the `getsockopt()` command `NETATOP_GETCNT_EXIT`. With this command, *netatopd* blocks until an exited task is available on the exitlist of the *netatop* module. The obtained `netpertask` struct that contains the counters of an exited process is written to a logfile (similar to the process accounting info provided by the base kernel itself). The daemon stops logging when there is only 5% of free space left in the filesystem of the logfile.

The logfile starts with a small header struct that contains a.o. a sequence number indicating how many `netpertask` structs are currently logged. This header is `mmap`d and can be consulted by analysis processes like *atop* that consult the logfile. Behind the header, the `netpertask` structs can be found in compressed form. Every compressed `netpertask` struct is preceded by one byte specifying the size of the compressed `netpertask` struct.

Before an analysis process starts using the logfile, it has to subscribe itself by decrementing a semaphore owned by the *netatopd* daemon. In this way, *netatopd* knows how many analysis processes are currently using the logfile. When no processes use the logfile any more, *netatopd* truncates the logfile and start building a new one as soon as a new subscription of an analysis process is noticed.

FILES

/var/run/netatop.log

File in which *netatopd* writes the compressed accounting records about processes that have finished.

SEE ALSO

netatop(4), atop(1), atopsar(1), atoprc(5)

<http://www.atoptool.nl>

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