NAME

strace-log-merge – merge strace –ff –tt output

SYNOPSIS

strace–log–merge *STRACE_LOG*

strace–log–merge ––help

DESCRIPTION

strace–log–merge merges the output of **strace –ff –tt[t]** command, prepending PID to each line and sorting the result using time stamp as a key.

OPTIONS

––help Show program usage and exit.

STRACE_LOG

Output file name prefix of files produced by a **strace -ff -tt[t]** command.

EXIT STATUS

0   Success

Non-zero

Error occurred: either no argument specified (in that case a usage is printed), or something went wrong during the processing of *STRACE_LOG*.* files.

USAGE EXAMPLE

```
$ strace -o sleepy -ff -tt -e trace=execve,nanosleep \
      sh -c 'sleep 0.1 & sleep 0.2 & sleep 0.3'
$ strace-log-merge sleepy | fold -w 72 -s
13475 21:13:52.040837 execve("/bin/sh", ["sh", "-c", "sleep 0.1 & sleep
0.2 & sleep 0."...], 0x7ffde54b2450 /* 33 vars */) = 0
13478 21:13:52.044050 execve("/bin/sleep", ["sleep", "0.3"],
0x5631be4f87a8 /* 33 vars */) = 0
13476 21:13:52.044269 execve("/bin/sleep", ["sleep", "0.1"],
0x5631be4f87a8 /* 33 vars */) = 0
13477 21:13:52.044389 execve("/bin/sleep", ["sleep", "0.2"],
0x5631be4f87a8 /* 33 vars */) = 0
13478 21:13:52.046207 nanosleep({tv_sec=0, tv_nsec=300000000}, NULL) = 0
13476 21:13:52.046303 nanosleep({tv_sec=0, tv_nsec=100000000}, NULL) = 0
13477 21:13:52.046318 nanosleep({tv_sec=0, tv_nsec=200000000}, NULL) = 0
13476 21:13:52.146852 +++ exited with 0 +++
13475 21:13:52.146942 --- SIGCHLD {si_signo=SIGCHLD,
si_code=CLD_EXITED, si_pid=13476, si_uid=1000, si_status=0, si_utime=0,
si_stime=0} ---
13477 21:13:52.247782 +++ exited with 0 +++
13475 21:13:52.247885 --- SIGCHLD {si_signo=SIGCHLD,
si_code=CLD_EXITED, si_pid=13477, si_uid=1000, si_status=0, si_utime=0,
si_stime=0} ---
13478 21:13:52.347680 +++ exited with 0 +++
13475 21:13:52.347786 --- SIGCHLD {si_signo=SIGCHLD,
si_code=CLD_EXITED, si_pid=13478, si_uid=1000, si_status=0, si_utime=0,
si_stime=0} ---
13475 21:13:52.348069 +++ exited with 0 +++
```

NOTES

strace-log-merge does not work well with **strace** logs generated by **strace -tt** invocation that pass midnight, as those lack the information required for the proper sorting. Employing the **-ttt** option in the respective **strace** invocation should solve the problem.

BUGS

strace-log-merge does not perform any checks whether the files specified are in the correct format and implies that only files from a single *strace* session match *STRACE_LOG*.* glob pattern.

HISTORY

The initial version of *strace-log-merge* was written by Denys Vlasenko in 2012.

REPORTING BUGS

Problems with **strace-log-merge** should be reported to the **strace** mailing list at <strace−devel@lists.strace.io>.

SEE ALSO

strace(1)