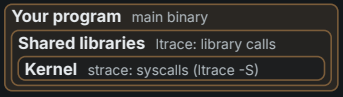
ltrace Library call tracer

CONCEPTS

ltrace shows calls into shared libraries (libc, libssl...) and prints their arguments. Use strace for kernel syscalls only.



Only calls through the PLT are seen. Statically linked programs and calls inside one library are invisible unless you use -x.

Output goes to stderr, so redirect with 2> or use -o. Without -f a forking program is traced only in the parent.

RUN AND ATTACH

ltrace *<cmd>* **[args]**
Trace a new command

ltrace -p *<pid>*
Attach to a running process

ltrace -f *<cmd>*
Follow forks and clones

ltrace -p *<pid>* **-p** *<pid2>*
Attach to several processes

ltrace -o *<file>* *<cmd>*
Write the trace to a file

ltrace -h / -V
Show help / version

FILTER CALLS

ltrace -e *<func>* *<cmd>*
Trace only this function

ltrace -e *<f1>*+*<f2>* *<cmd>*
Trace several functions

ltrace -e @libc.so* *<cmd>*
Only calls into libc

ltrace -e *<func>*@*<lib>* *<cmd>*
Function from a given library

ltrace -e '/^str' *<cmd>*
Regex on function names

ltrace -e -*<func>* *<cmd>*
Trace everything except this

ltrace -l *<lib>* *<cmd>*
Calls into libraries matching a pattern

ltrace -S *<cmd>*
Show system calls as well

OUTPUT FORMAT

ltrace -s *<n>* *<cmd>*
Longest printed string (default 32)

ltrace -C *<cmd>*
Demangle C++ names

TIMING AND STATISTICS

ltrace -c *<cmd>*
Count calls and time per function

ltrace -T *<cmd>*
Time spent inside each call

ltrace -r *<cmd>*
Relative timestamp per line

ltrace -t *<cmd>*
Time of day per line

ltrace -c -S *<cmd>*
Summary including system calls