-c, **--cpus** *cpu-list*

Set the osnoise tracer to run the sample threads in the cpu-list.

-d, **--duration** *time[s|m|h|d]*

Set the duration of the session.

-D, **--debug**

Print debug info.

-t, **--trace**[*=file*]

Save the stopped trace to [*file|osnoise_trace.txt*].

-e, **--event** *sys:event*

Enable an event in the trace (**-t**) session. The argument can be a specific event, e.g., **-e** *sched:sched_switch*, or all events of a system group, e.g., **-e** *sched*. Multiple **-e** are allowed. It is only active when **-t** or **-a** are set.

--filter <*filter*>

Filter the previous **-e** *sys:event* event with <*filter*>. For further information about event filtering see https://www.kernel.org/doc/html/latest/trace/events.html#event-filtering.

--trigger <*trigger*>

Enable a trace event trigger to the previous **-e** *sys:event*. If the *hist:* trigger is activated, the output histogram will be automatically saved to a file named *system_event_hist.txt*. For example, the command:

rtla <command> <mode> -t -e osnoise:irq_noise --
trigger="hist:key=desc,duration/1000:sort=desc,duration/1000:vals=hitcount"

Will automatically save the content of the histogram associated to *osnoise:irq_noise* event in *osnoise_irq_noise_hist.txt*.

For further information about event trigger see https://www.kernel.org/doc/html/latest/trace/events.html#event-triggers.

-P, **--priority** *o:prio|r:prio|f:prio|d:runtime:period*

Set scheduling parameters to the osnoise tracer threads, the format to set the priority are:

- *o:prio* - use SCHED_OTHER with *prio*;
- *r:prio* - use SCHED_RR with *prio*;
- *f:prio* - use SCHED_FIFO with *prio*;
- *d:runtime[us|ms|s]:period[us|ms|s]* - use SCHED_DEADLINE with *runtime* and *period* in nanoseconds.

-h, **--help**

Print help menu.