Scheduler Instrumentation

• Goals:
  – Extract the relevant scheduling details at sched_switch, waking/wakeup, PI, prio change
  – Depending on the scheduling policy of the target process
  – A single event to enable
  – Without breaking existing tools
Current Status

# cat /sys/kernel/debug/tracing/events/sched/sched_switch/format

name: sched_switch

ID: 273

Format: prev_comm, prev_pid, prev_prio, prev_state, next_comm, next_pid, next_prio

(simplified output)
Proposition

```bash
# echo 2 > /sys/kernel/debug/tracing/events/sched/sched_switch/version
# cat /sys/kernel/debug/tracing/events/sched/sched_switch/format

name: sched_switch
ID: 273
Format: prev_comm, prev_pid, prev_state, next_comm, next_pid, next_policy, next_nice

ID: 274
Format: prev_comm, prev_pid, prev_state, next_comm, next_pid, next_policy, next_rt_priority

ID: 275
Format: prev_comm, prev_pid, prev_state, next_comm, next_pid, next_policy, next_dl_runtime, next_dl_deadline, next_dl_period

(simplified output)