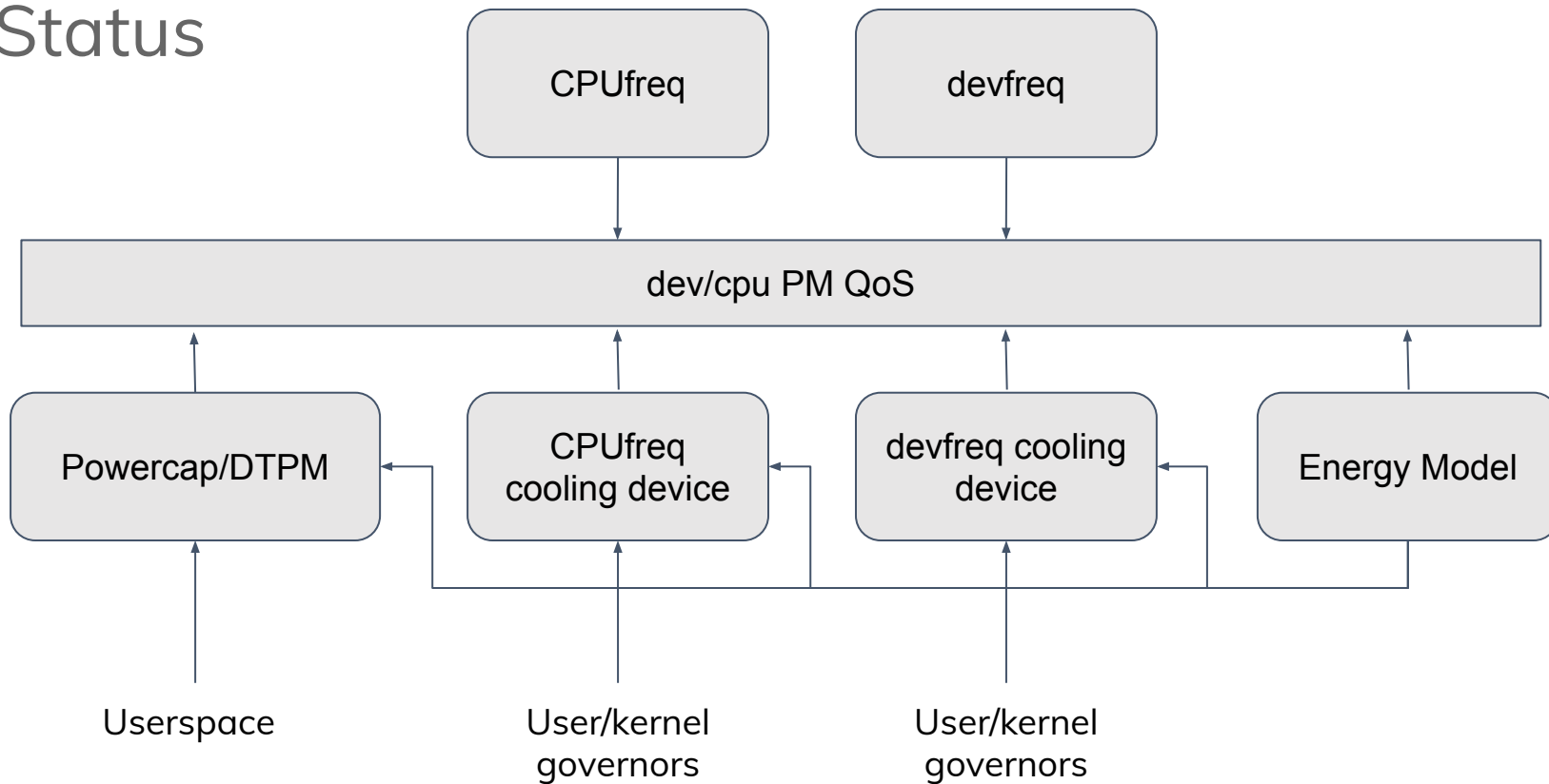# Combining DTPM with the thermal framework

Linux Plumbers Conference 2022
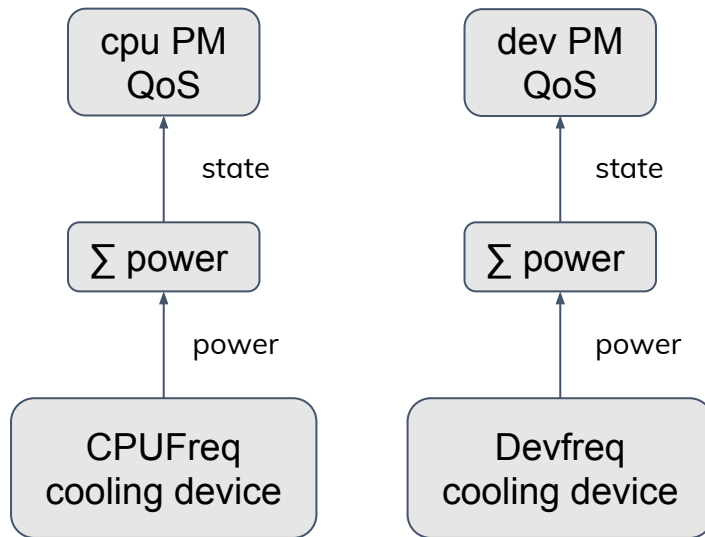Power management micro-conference
Daniel Lezcano
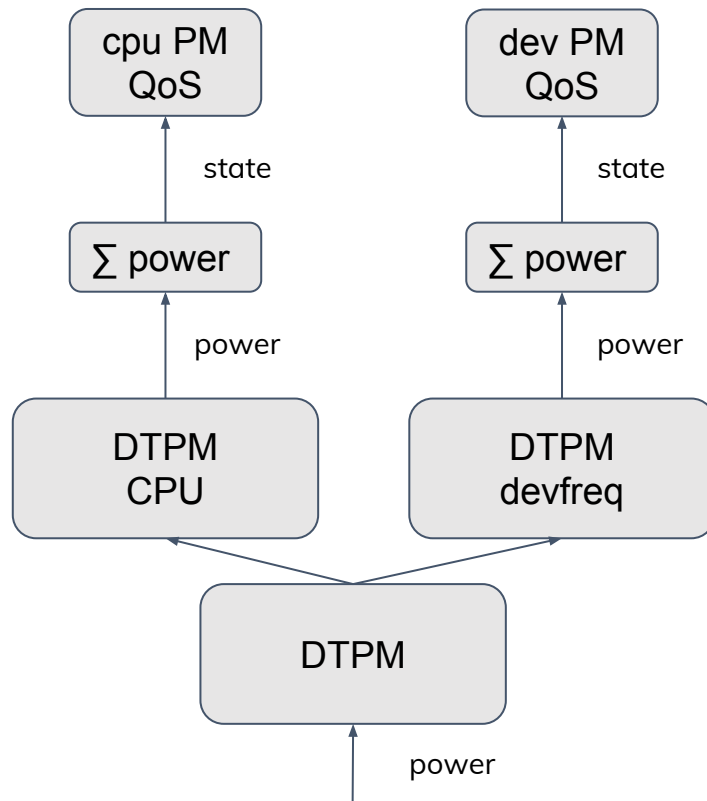
Status

Duplicate code and algorithm

- CPUfreq and devfreq cooling device are doing power computation
  - get requested power
  - set power limit -> compute the performance state -> set the performance state

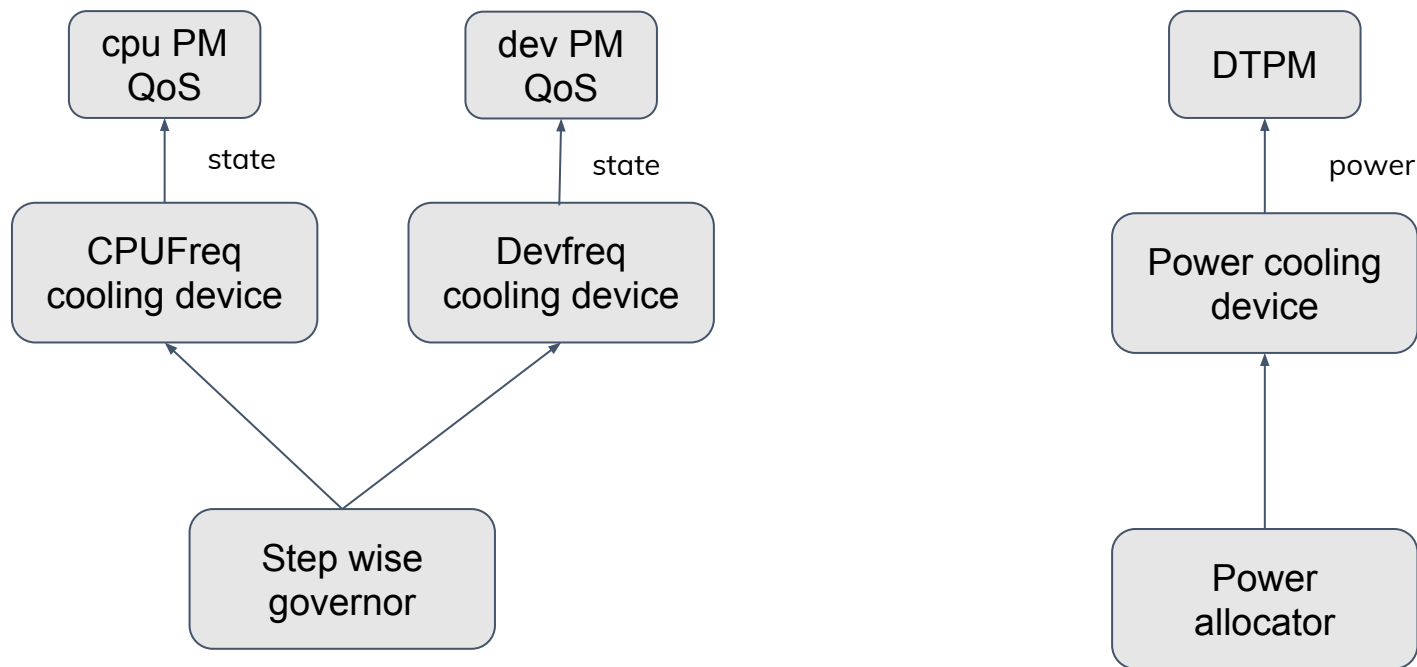- DTPM is doing the same math
  - it does have get / set power

Current cooling device managing power and states

DTPM powercap

Split the power part to a dedicated device

Power cooling device

- Generic for any kind of power capable device using DTPM

- Can apply on any device or group of devices (future DTPM power rebalancing)

- Simple : a couple of functions : get / set power

- DTPM returns the effective power limit -> more accurate information for the governor