CPUfreq/sched and VM guest workload problems

Wednesday, 14 September 2022 17:15 (25 minutes)

Running a workload on VM results in very disparate CPUfreq/sched behavior compared to running the same workload on the host. This difference in CPUfreq/sched behavior can cause significant power/performance regression (on top of virtualization overhead) for a workload when it is run on a VM instead of the host.

This talk will highlight some of the CPUfreq and scheduler load tracking issues/questions both at the guest thread level and at the host vCPU thread level and explore potential solutions.

I agree to abide by the anti-harassment policy

Yes

Primary author: KANNAN, Saravana
Presenter: KANNAN, Saravana
Session Classification: Power Management and Thermal Control MC
Track Classification: LPC Microconference: Power Management and Thermal Control MC