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The Current Status and Future Direction of the LAVD Scheduler

The LAVD scheduler is a sched_ext scheduler designed to optimize latency and energy efficiency, with an initial focus on gaming workloads. This talk will present the current state of LAVD development and explore its future roadmap. In particular, we will discuss how LAVD leverages heterogeneous CPU architectures (Intel P/E cores, ARM big.LITTLE) to improve performance per watt, along with optimization techniques that balance responsiveness and energy consumption. We will also consider how LAVD's mechanisms can be applied or generalized to other sched_ext schedulers, and outline potential directions for expanding its applicability beyond gaming.

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