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The wakeup path is not enough anymore for EAS

Wednesday 18 September 2024 17:00 (22 minutes)

The Energy Aware Scheduler has been developed with the assumption that tasks wake up regularly and often enough to keep their placement energy efficient and responsive. This assumption tend to be less and less true because of constraints like capping the performance of the system and the needs for still shorter response time. New mechanisms outside the wakeup path needs to be enabled to solve those issues. We will explore some possibilities to improve responsiveness while keeping energy aware decision and to move tasks stuck on an energy inefficient CPU.

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