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The Thing that was Latency Nice

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The original latency nice proposal, a per-task parameter that reduced wakeup latency by short circuiting idle core/cpu searches in the wakeup path, was made over a year ago. Upstream discussion ultimately identified multiple seemingly related proposals, “Per-task vruntime wakeup bonus”, “Small background task packing” and “Skip energy aware task placement”. The scheduler maintainers asked the authors of the above to explore the perceived commonality and whether a single per-task parameter (formerly known as latency nice) can adequately and sensically control the intended uses. A stated constraint is that concepts like “latency nice” must be consistent with the general understanding of “nice” to include range and the direction of niceness.

A framework for evaluation was created and the four proposals are currently under discussion on the mailing list.

The goal of this proposal is to have a discussion about the main use-cases identified so far and agree on which make sense and how to progress them.

I agree to abide by the anti-harassment policy

I agree

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