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Multiple system-wide low power-states

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Since last LPC in Vienna, we have continued to explore how to add support for multiple system-wide low power-states to the Linux kernel. A series [1] has been posted that suggests us to add a user-space interface, to allow a system-wakeup latency constraint to be specified. The series also includes deployment for how the latency-constraint can be taken into account during s2idle and especially in regards to CPU/CPU-cluster wakeup-latencies for low-power states.

Let's discuss and try to conclude how to move forward!

[1]

<https://lore.kernel.org/all/20250716123323.65441-1-ulf.hansson@linaro.org/>

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