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Performance guarantees under thermal pressure

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Performance capping due to thermal limitations is common scenario particularly in mobile systems. To-day user-space has no information about what level of performance that can be expected worst case and SCHED_DEADLINE can admit reservations which are impossible to fulfill.

The purpose of the this topic is to discuss what level guarantees the kernel should provide. Should the kernel have a platform specific or tunable sustained performance level?

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Yes

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