



Suspend-To-Idle for legacy platforms

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Move to Suspend-To-Idle (S2I)

- Decreasing latency to suspend/resume the CPUs.
- Requires an updated FW to support deeper states.
- What can we do about legacy FW?

Enabling the deeper states

- Can we re-use the CPU hotplug calls for the deeper states?
- Boot CPU needs to be last one.
- Wakeup secondary CPUs from boot CPU.
- Secondary CPUs needs an entry point to resume from.
- Save/restore the CPU's state by Linux.
- What else?

- Did it get much better than S2R?
- Did we manage to avoid platform hacks?

BTW - enablement issues at Linux

- FW updated to support deepers states - doesn't work for CPUidle, but for S2I.
- Other issues?

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