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Linux from power-reset: status, challenges, and opportunities

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In the last few years, the open source host firmware communities made great progress on the coreboot/LinuxBoot stack. Now it is ready for prime time. With this stack, Linux developers gain total control of host firmware (aka. BIOS): host firmware bugs can be tackled as easily as Linux bugs; host firmware can be developed together with kernel/tools to enable new hardware technologies and/or to achieve/improve holistic software solutions.

In the meantime, there are a few pain points that Linux community's feedback / collaborations are desired for. For example, the compatibility and stability of kexec; potential improvements to PCIe or other subsystems, etc.

In this discussion, the design, ecosystem status and pain points of the coreboot/LinuxBoot stack is presented first, to seed the discussions on how to solve the challenges and how to take advantage of the opportunities with Linux from power-reset.

I agree to abide by the anti-harassment policy

Yes

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