

Title: Implementing Kexec with Ironic to Reduce HPC System Downtime

Abstract: Reboot time in High Performance Computing systems continue to grow as the amount of resources being managed increases with technological improvements. Using Kexec to fast boot into a new kernel and ramdisk reduces the time that these systems are off. Traditional rebooting processes take time as the system performs the functions of the power-on self-test before booting into the operating system. This presentation will explain how using Kexec with Ironic can reduce the downtime of High Performance Computing systems.

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