

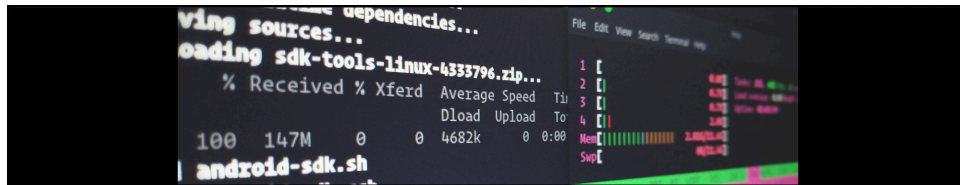
Linux CPU Frequency Scaling on the Intel i9 7980XE

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I spent some time this morning trying to work out why my CPU - the beastly Intel i9 7980XE - was capped at 2.6ghz when the BIOS allows scaling to 4.3ghz.

When I ran the usually suggested `cpufreq` and `cpupower` commands, I received: “no or unknown `cpufreq` driver is active on this CPU”.

The reason for this was that you need, in the UEFI/BIOS, to enable: Intel Enhanced SpeedStep and the option to expose pstates. Once these are enabled, the CPU scales within linux and `cpufreq` commands work.