

Kernel: Linux IO_uring and "amd-pstate"

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- [Linux IO_uring Can Now Achieve Up To ~3.8M IOPS Per-Core - Phoronix](#) [2]

It was just last month when ~3.5M IOPS per-core was impressive with the code for Linux 5.15 to further push Linux's I/O limits. Now for code likely to be included in Linux 5.16 it's currently at 3.8M IOPS with a single tread.

With this patch series reworking and further optimizing the submission and completion paths, the I/O throughput is upped even more. With block maintainer and IO_uring lead developer Jens Axboe's Intel Optane based rig, he is enjoying around a 3% throughput improvement.

- [Updated AMD P-State Driver Published For Linux - Phoronix](#) [3]

Earlier this month AMD published their "amd-pstate" Linux driver that leverages ACPI CPPC data to make more informed CPU frequency scaling decisions with an aim to boost the performance-per-Watt for Zen 3 (and eventually Zen 2) processors on Linux. The second spin of that "amd-pstate" Linux kernel driver is now available for testing.

[Linux](#)

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Links:

[1] <http://www.tuxmachines.org/taxonomy/term/63>

[2] https://www.phoronix.com/scan.php?page=news_item&px=Linux-IO-3.8M-IOPS-Per-Core

[3] https://www.phoronix.com/scan.php?page=news_item&px=Linux-amd-pstate-v2