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Linux Rust NVMe Driver Status Update

Monday, 12 September 2022 17:00 (30 minutes)

Rust for Linux aims to bring in Rust as a second programming for the Linux Kernel. The Rust for Linux project is making good progress towards being included in upstream Linux sources.

In this talk we discuss status of the Rust NVMe driver. The Rust NVMe driver is interesting as a reference implementation of a high performance driver because NVMe already has a mature and widely deployed driver in the Linux kernel that can be used as a baseline for benchmark purposes.

We discuss Rust language abstractions required to enable the Rust NVMe driver, benchmark results comparing the Rust implementation to the C implementation, and future work.

I agree to abide by the anti-harassment policy

Yes

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