

Linux Plumbers Conference 2024



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Giving Rust a chance for in-kernel codecs

Wednesday 18 September 2024 11:00 (30 minutes)

This talk will show how it is possible to write Rust code without a binding layer, with a focus on V4L2 codec drivers and libraries. It will present a strategy wherein only a few critical functions are converted to Rust while accounting for the role of the “cbindgen” tool in keeping ABI compatibility. The source code of a previously submitted proof-of-concept will be used to provide examples.

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Session Classification: Rust MC

Track Classification: Rust MC