

Linux Plumbers Conference 2025



Contribution ID: 398

Type: **not specified**

NVIDIA Approach for Achieving ASIL B Qualified Linux: minimizing expectations from upstream kernel processes

Friday 12 December 2025 10:10 (25 minutes)

Unlike the typical path chosen for attempting to use Linux in safety applications, the approach developed by NVIDIA strives to avoid placing any burden on upstream maintainers and developers.

Upstream maintainers should not have to become safety experts, nor the linux kernel should become encumbered by verbose descriptions of what the code does, for it to achieve safety.

We want to start a discussion about how we achieve this, and how it can coexist with upstream processes.

Primary author: STOPPA, Igor (nvidia)

Presenter: STOPPA, Igor (nvidia)

Session Classification: Safe Systems with Linux MC

Track Classification: Safe Systems with Linux MC