

Linux Plumbers Conference 2025



Contribution ID: 150

Type: **not specified**

Android Boot, DRTM, UKIs

Saturday 13 December 2025 13:00 (30 minutes)

Android boot flow quick recap

- Current problems
- Fastboot

GBL proposal

- Android meets UEFI
- Existing protocols adoption
- GBL custom protocol for Android Boot

Android UEFI Upstreaming

- EFI implementation for LittleKernel
- GBL protocols (EDK2, LittleKernel, Uboot)

Android Adoption of DRTM - How could the ARM DRTM spec be updated to account for Android boot'sisms in a HLOS agnostic manner?

- ARM DRTM adoption of DT? Or transition Android to ACPI?
- What a proposed Android DRTM flow may look like
- What pitfalls does the community see in ARM implementations of DRTM and adoption of ACPI?

Android + EFISTub

- Proposal to adopt UKI now that Android has its own EFI Stub (GBL)
- What concerns / pitfalls are there?

This talk will provide an overview of the current Android boot flow and introduce Google's GBL initiative for further standardization, along with key technical details. Our team will be happy to discuss the existing Android boot process and potential Mobile/UEFI challenges with the audience.

Primary authors: MERKUREV, Dmitrii (Google); LINDHOLM, Leif (Qualcomm); MUTHIAH, Ram (Google)

Presenters: MERKUREV, Dmitrii (Google); LINDHOLM, Leif (Qualcomm); MUTHIAH, Ram (Google)

Session Classification: System Boot and Security MC

Track Classification: System Boot and Security MC