

## **Technical Showcase**

CE Workgroup Linux Foundation / Embedded Linux Conference Europe

## **Embedded Base Boot Requirements (EBBR) Example Platforms** Grant Likely (Arm) and Daniel Thompson (Linaro)

Standard pre-boot environment and boot sequence for embedded platforms, featuring:

- Upstream support in U-Boot
- **UEFI ABI**
- Firmware-provided system description (DT)
- Boots generic OS images

By standardizing the boot interface, platform specific details don't need to be encoded into the OS, and the ABI supports portable pre-boot applications for test and boot control. Future work will enable more standard UEFI featured (e.g. Secure Boot).

Stock OS images on SDcard or USB Flash Drive will **boot seamlessly** on...



















... multiple EBBR and SBSA/SBBR compliant platforms with firmware pre-installed on SPI flash, eMMC, or **SDcard**