

Cross distro BoF

Welcome real hw!

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Event

Linaro Connect BKK16

Arm64 has arrived

- consumer gear
 - hikey / db410 / pine64
 - 400M+ cellphones
- expensive gear
 - mustang, m400, overdrive
 - jetson tx1, dragonboard 820..
- ...still room for options between

ARMv7 is here to stay

- plenty of existing and new hardware
- With the \$5 pi zero, even ARMv6 is not going to disappear either



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Booting blues

- ARMv8: UEFI with grub
 - ...and u-boot with syslinux menu
- ARMv7: u-boot
 - follow fedora to standard config
- Other options to consider
 - systemd-boot
 - u-boot with efi payload support

Userspace apps

- ARM64
 - Still some corner cases (Wookeys talk)
- ARM32
 - Almost all software ported (thanks, raspberry ;)
- Still non-optimized bits exist

Discussion starters

- standard firmware installer?
 - bundling u-boot / tianocore in distros bad
- Better upstream kernels support
 - while low level (serial, storage..) stuff works..
 - subsystems like video decoding, camera interfaces, modems are often only in vendor kernels