Cross distro BoF

Welcome real hw!
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
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