Chromium on embedded Linux platforms: common pitfalls
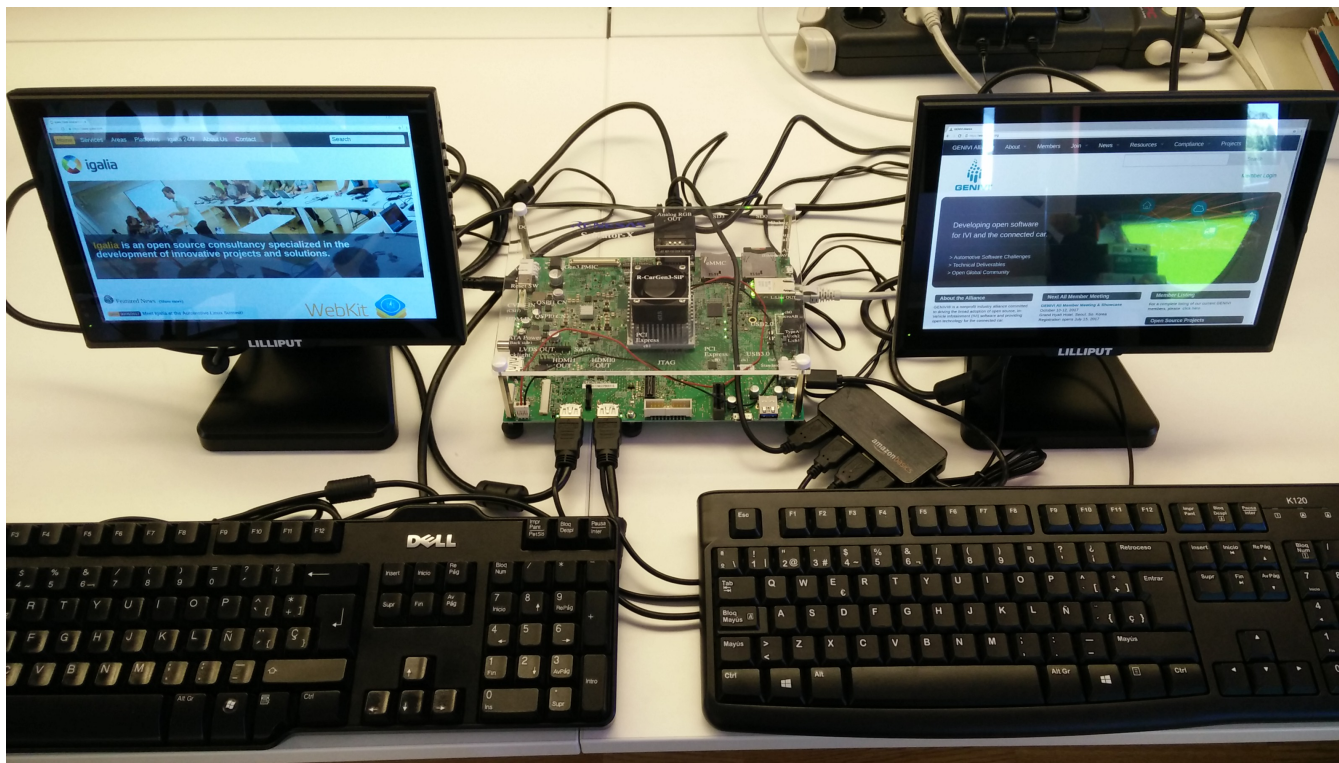
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Exhibit 1 & 2

Exhibit 3

Wayland

- Lightweight → very popular on embedded
- Not officially supported yet!
- Two existing implementations:
  - by Intel → development stopped
  - by Igalia/Renesas → ongoing and aligned with ToT

Toolchain

- Friction among:
  - Chromium toolchain
  - Host system toolchain
  - Cross-compilation toolchain
  - Yocto/OpenEmbedded or Buildroot toolchains
  - BSP-provided toolchain

Build system, environment

- depot_tools are not there!
- Get GN built
- Yocto/OpenEmbedded, Buildroot configuration
- Program interaction with GN
- Toolchain configuration

Other

- Graphics drivers
- Device-specific optimization
- Downstream patches
- Keep up with upstream changes

Thank you!