



# SUNXI Status report & Getting SoC vendors to work upstream

Presented by

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# Today's Topics

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- sunxi status report
- sunxi upstreaming evaluation
- Getting SoC vendors to work upstream:
  - Vendors who use u-boot but don't upstream
  - Vendors not using u-boot

# SUNXI status report

# SUNXI status report

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- Everything supported in linux-sunxi “fork” is supported upstream now
  - Need to add support for more boards
  - Need to figure out why A20 boards do not boot with 3.4 kernels on upstream u-boot
- Upstream u-boot has surpassed the fork with:
  - USB (EHCI) and SATA (AHCI) support
- Missing in general:
  - NAND support
  - A23, A31, A33 and A80 support

# SUNXI upstreaming evaluation

# Upstreaming evaluation

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- Upstreaming went smooth, aprox. 3 revisions for initial sun7i support (v2014.4), full feature parity with out of tree code followed soon.
- Lessons learned:
  - Upstreaming was easier then expected
  - Should have done this sooner
  - Getting an invitation from an existing u-boot developer helped, aka poking works
  - Quickly assigning a custodian for a new platform helps a lot

Getting SoC vendors  
to work upstream:

Vendors using u-boot

# Vendors using u-boot

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- Reach out to the vendor:
  - Use existing contacts in the FOSS community
  - Use a person from the same country to help bridge language and culture gaps
- Educate the vendor:
  - Benefits of upstreaming
  - Explain how upstreaming translates into monetary gains for them



Getting SoC vendors  
to work upstream:

Vendors not using  
u-boot

# Vendors not using u-boot

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- Figure out why they do not use u-boot
- Worries about GPL versus secure boot, even with GPLv2, solution:
  - Add a section to Licenses/Exceptions stating that we do not consider the signing keys part of the “complete source” as required by GPLv2 section 3
- Other reasons ?

# Discussion / Q & A



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