State of the ARM

Where are we now, what's coming?

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Agenda

- Released ports: armel & armhf
- Buildds and hardware
- arm64
- New stuff!
- Take notes in gobby please!
  - `gobby.debian.org`
  - `debconf14/bof/state-of-the-arm`

armel

- Current port, first released with Lenny
- Soft-float ABI, v4t
  - Still needed for older hardware
- Still supported upstream…
- How long?

armhf

- Current port, first released with Wheezy

- Hard-float ABI, v7, VFPv3-D16
    - New standard for ARM Linux distros

- armmp kernel & DTBs
    - Potentially massive set of supported devices

Buildds and hardware

- Mostly relying on dev boards still:
  - Marvell Armada XP (v7)
  - Some remaining
  - Freescale imx53 (v7)
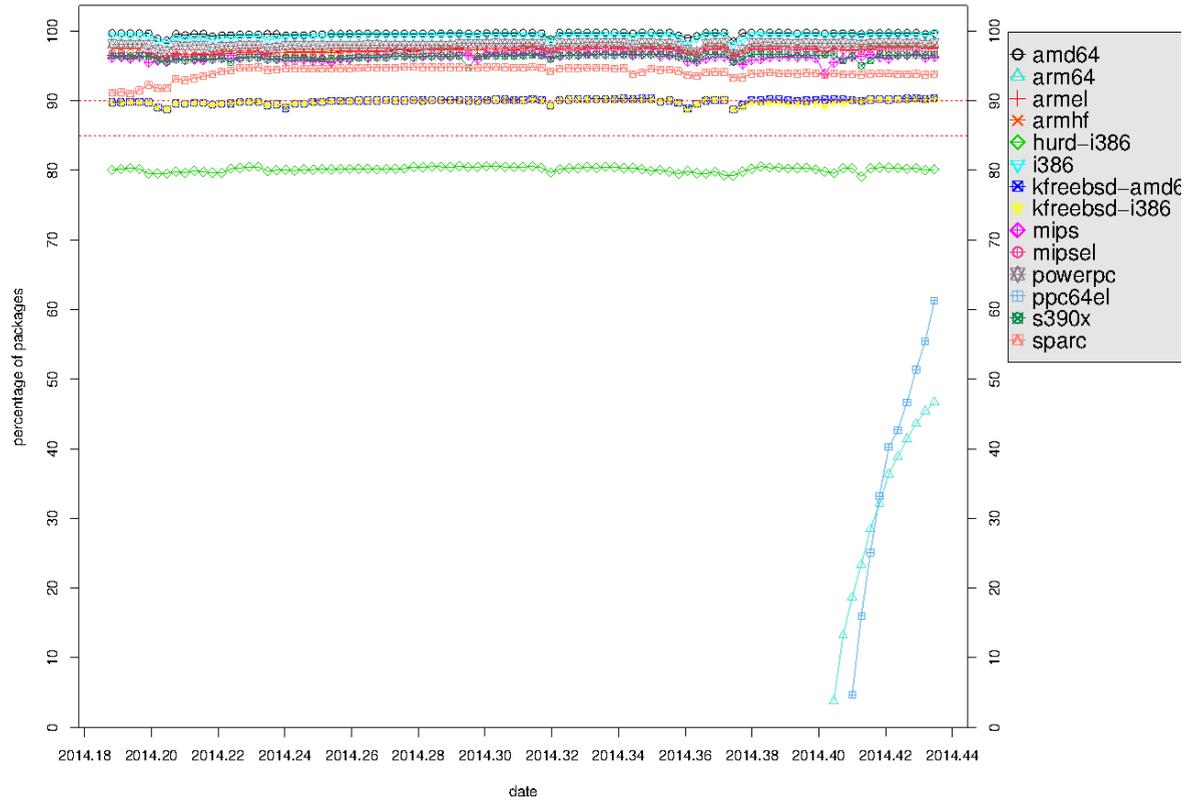 - Older v5 buildds retired
- Issues
- New hardware? Real servers?

arm64

- New port!
    - https://wiki.debian.org/Arm64Port
- Bootstrapped in d-p fine
- In main archive now
- Hoping to release with Jessie
    - Some concerns, but…
- 2 buildds hosted at ARM for now

arm64 progress

What percent is built for each architecture (past quarter)

New stuff?

- Cool stuff
  - Talk by Andy Simpkins later at DebConf
  - Open Hardware and Software Laptop with an ARMv8 SoC

- Donated Hardware!

- Donated Software!

What else?

- More porters always welcome
- #debian-arm on irc.debian.org
- debian-arm@lists.debian.org
- Mini-conf @ ARM Cambridge, Nov 2014
  https://wiki.debconf.org/wiki/Miniconf-UK/2014

Thanks

ARM

Linaro

And all the community!