

# State of the ARM

Where are we now, what's coming?



# ARM<sup>®</sup>

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17<sup>th</sup> August 2015



# Agenda

- armel
- armhf
- arm64
- Builds and hardware
- Discussion
- Take notes in gobby please!
  - `gobby.debian.org`
  - `Debconf15/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?
  - How many users?
  - Release with Stretch? LTS?



# armhf

- Current port, first released with Wheezy
- Hard-float ABI, v7, VFPv3-D16
  - Standard for 32-bit ARM Linux distros
- armmp kernel & DTBs
  - Potentially massive set of supported devices



# arm64

- Current port, first released with Jessie
- Working well
- More devices coming available now and in the near future
  - Real server hardware!
- Simple choice of kernel with DTB



# Builds and hardware

- Mostly relying on dev boards still for 32-bit:
  - Marvell Armada XP (v7)
  - Freescale imx53 (v7)  
porter box
- arm64 machine options
- Issues
- New hardware? Real servers?





# Discussion

- What else can we be doing?
- What else should we be doing?



# What else?

- More porters always welcome
- #debian-arm on irc.debian.org
- [debian-arm@lists.debian.org](mailto:debian-arm@lists.debian.org)





# Thanks

The ARM logo, consisting of the letters 'ARM' in a bold, blue, sans-serif font, with a registered trademark symbol (®) to the upper right of the 'M'.



## And all the community!

- Slides © 2015 Steve McIntyre <[93sam@debian.org](mailto:93sam@debian.org)>
- Released under GPL v2 at <http://www.einval.com/~steve/talks/Debconf15-state-of-the-arm/>