

Debian on POWER BoF

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Agenda

Not only ppc64el but all Power archs!

- 1 Current Status
- 2 Archive qualification
- 3 Hardware
- 4 ppc64 Status
- 5 powerpc and ppc64

Current Status

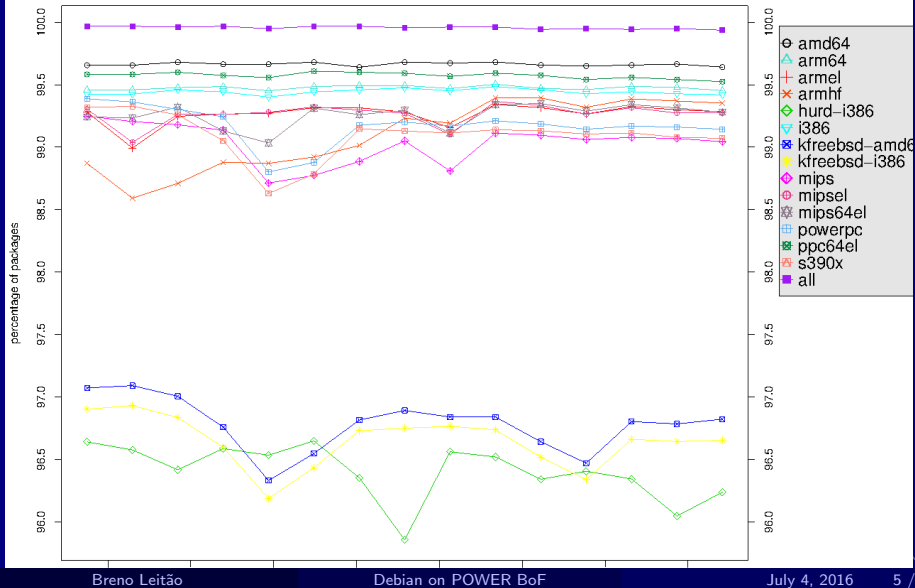
- ppc64el is a supported platform since *Jessie*
- ppc64el is in a pretty good shape for *Stretch*
- *Stretch* installer images being tested daily
 - <http://ftp.unicamp.br/pub/ppc64el/DAT/>
- Team continue to enable missing packages
 - hhvm, luajit, ocaml-native-compilers, etc
- Adding Power specific packages in the archive also
 - paflib, lsvpd, servicelog, genwqe, libcxl, nvme-cli

Architecture qualification

- Not a lot of issues with ppc64el in the architecture qualification
 - https://release.debian.org/stretch/arch_qualify.html
- Porters
 - 3 developers working on ppc64el at IBM
 - Others?
- Archive coverage
- Hardware (DSA) issue.
 - HW depending on Sponsors
- Archive coverage
 - More than 99.5% coverage

Archive coverage

How architectures are keeping up (past two weeks)



Machines status

- One machine at Unicamp university in Brazil
 - Changed the machine to a newer lab to have better network support
 - Had some issues in the beginning
 - Expect to have major issues gone
- One machine at OSU OSL
- How to solve the DSA concerns?

Port status

- One POWER7 machine allocated in Brazil to rebuild *ppc64* packages
- Not using *Altivec* anymore
- Targeting embedded processors also
 - NXP e5500 and e6500

ppc64 replacing powerpc?

- 32-bits archs are now almost gone
- Build servers are all on 64-bits arch (POWER7 and POWER8)
- Is there any hardware that runs *powerpc* but not *ppc64*?

Thank you for participating!