SFO15-511: VLANd progress update

Steve McIntyre & Dave Pigott

Friday 25 September 2015
VLANd Overview

- Our automated Cable Monkey
- Management of ad-hoc VLANs
- “Protected” ports
- Works across switches
- Switches have driver style API
VLANd History

- Started July 2014
- v0.1 December 2014
- v0.2 February 2015
- v0.3 July 2015
- v0.4 September 2015 (hopefully!)
Current VLANd release status

- Supports 4 different switch drivers
  - Cisco*2, Netgear, TP-Link
- Port-based VLANs
- Simple visualisation
- Ready for packaging in distros
VLANd in production!

- Now in (limited) production
  - LAVA LNG micro-instance
    - 3 switches, lots of devices
  - Hand-holding needed yet, not fully plumbed-in
LNG micro-instance
VLANd and LAVA integration!

- Demo later today...
Future plans

- More switch support
- Improved usability
- Improved performance
- More users?
  - LAVA integration - lots of potential
  - Ready for other LAVA users
  - What do people need?
Comments/questions?

Code:
https://git.linaro.org/lava/vland.git/