

# MAAS is “Metal as a Service”

Introducing the open source software-defined data-centre

# Bare Metal Magic

Inventory. Commission. Test. Install.

IP, DHCP, DNS, PXE, IPMI, AMT  
and you are ready.

# Focus : MAAS



- 1 Automated bare-metal operating system **provisioning**
- 2 **Extensive** hardware compatibility list ( <http://bit.ly/ubuntuhcl> )
- 3 Intelligently match hardware to workload for **better efficiency**
- 4 Web based interface
- 5 Supports provisioning of Ubuntu, Windows, RHEL, and CentOS



## How it works

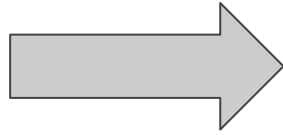
- 1 PXE-boot new hardware
- 2 Automatically **inventory** all components
- 3 **Commission** the hardware with firmware updates and testing
- 4 **Dynamically allocate** to users and workloads with automated OS install
- 5 **Decommission** and reallocate later



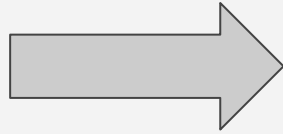
FAST



Any OS



Ubuntu, CentOS,  
OpenSUSE



Windows



Custom images



Any  
Architecture

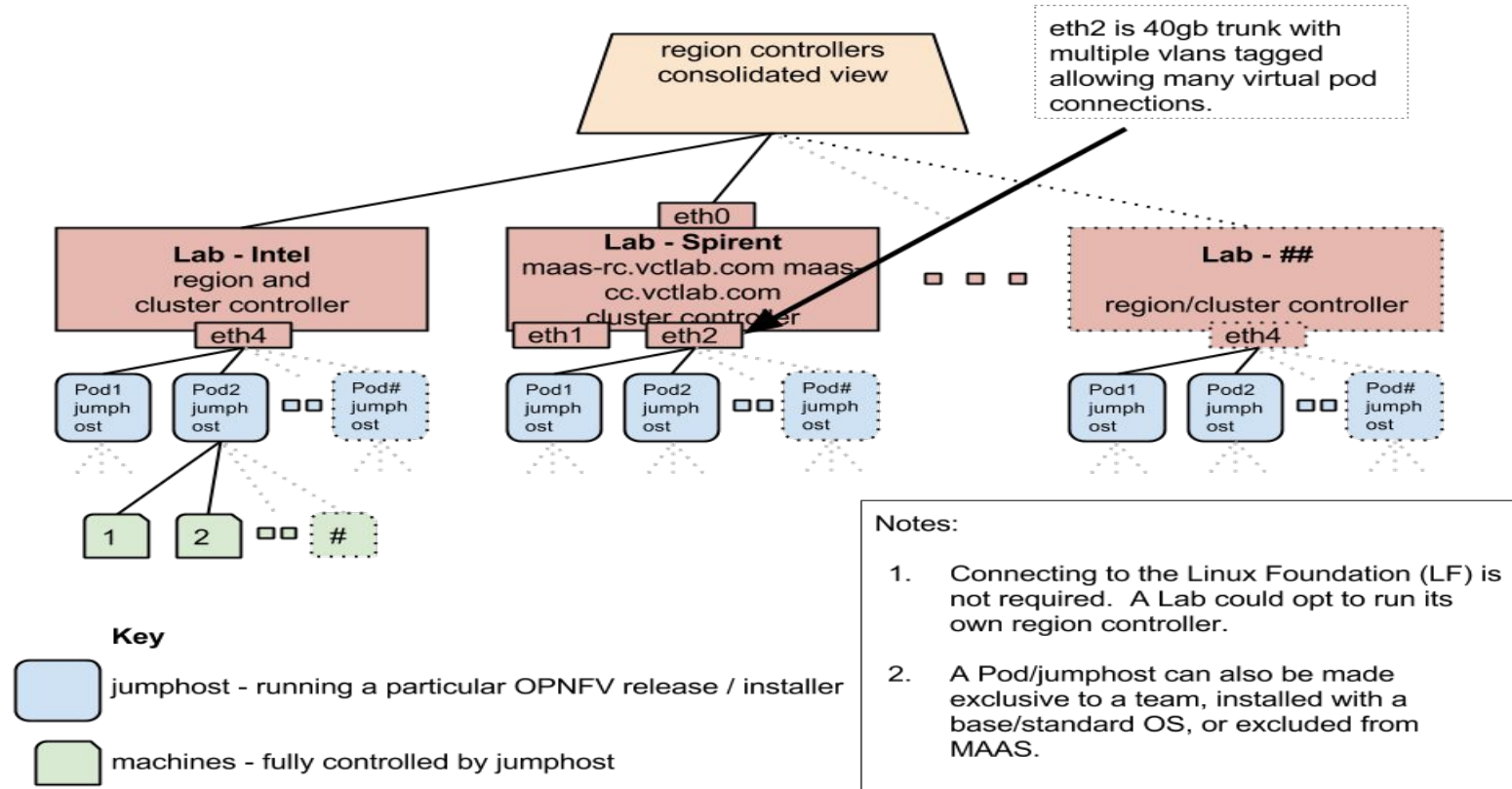


ARM®



MAAS

# OPNFV MAAS Lab Architecture





## What questions are being answered by the PoC?

- Commissioning and Recommissioning
- Authentication
- Hardware Discovery
- Standard Topologies
- Resource reservation
- Integration

# Questions and References

[maas.ubuntu.com](https://maas.ubuntu.com)

[https://wiki.opnfv.org/get\\_started/lflab\\_maaspoc](https://wiki.opnfv.org/get_started/lflab_maaspoc)

[https://wiki.opnfv.org/pharos/maas\\_getting\\_started\\_guide](https://wiki.opnfv.org/pharos/maas_getting_started_guide)

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