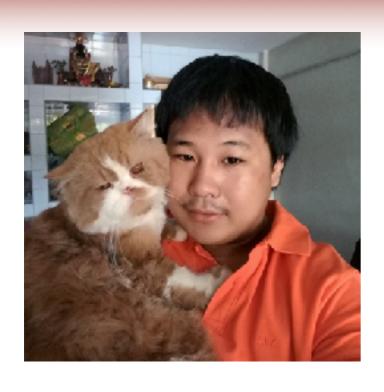
Case Study: Utilizing Mirantis Fuel to install OpenStack Ansible

Charnsilp Chinprasert, Cloud Architect Khomkrit Viangvises, OpenStack Evagelist

2ndCLOUD OPENSTACK-CONTAINER CONFERENCE AND WORKSHOP 2016 Grand Postal Building, Bangrak, Bangkok | September 22-23, 2016

Who are we



Mr. Charnsilp Chinprasert

Cloud Architect, Nipa 6 Months OpenStack experiences

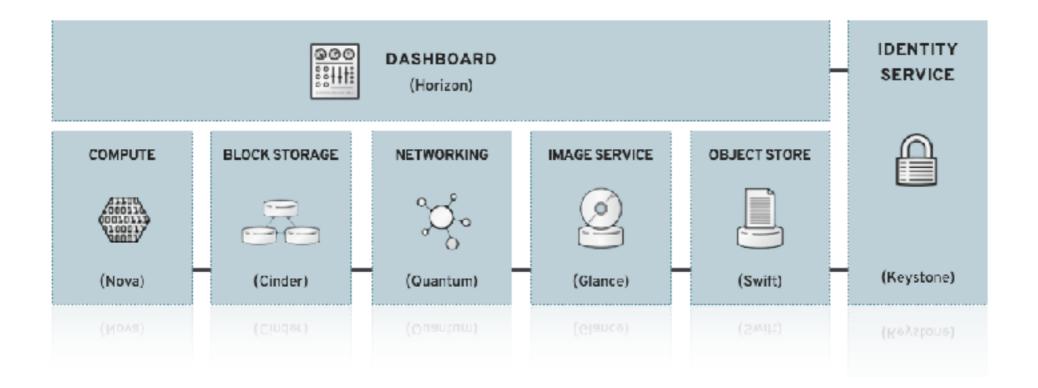


Mr. Khomkrit Viangvises

OpenStack Evangelist, Nipa 4 years of OpenStack experiences

Case Study: Utilizing Mirantis Fuel to install OpenStack Ansible

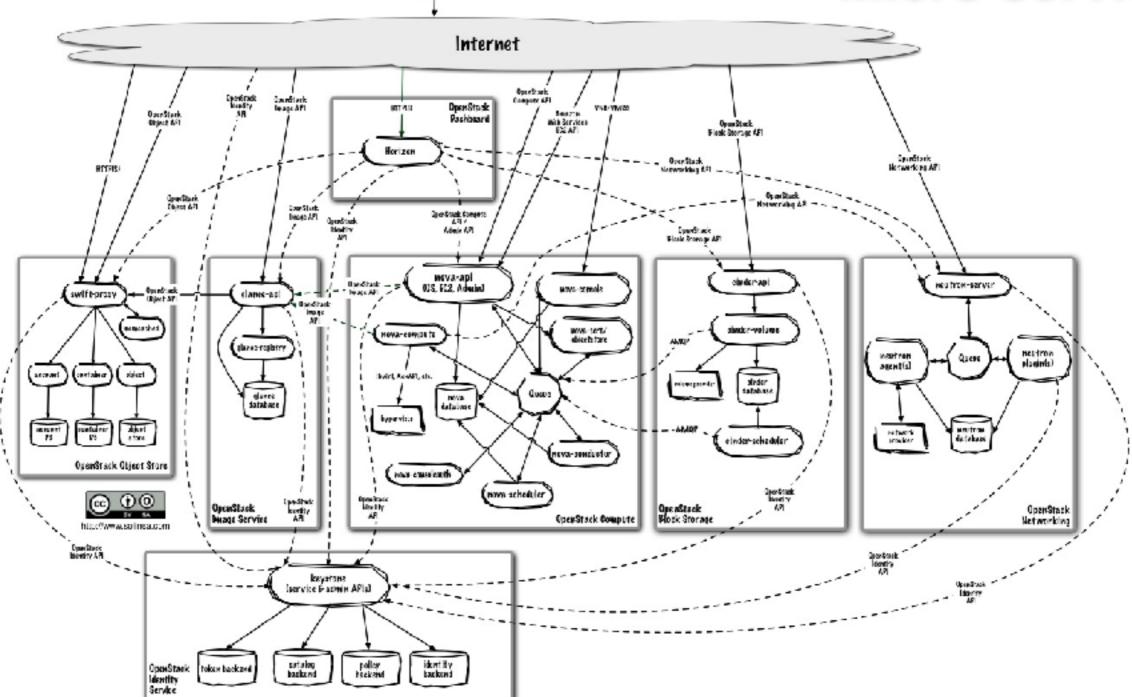
OpenStack Architecture





- Command-line interfaces those, neutron, swift, and so on)
 Cloud Management Gods (Rightscale, Sustrative, and so on.)
 CUI tools (Pashboard, Cyberduck, Phone client, and so on.)

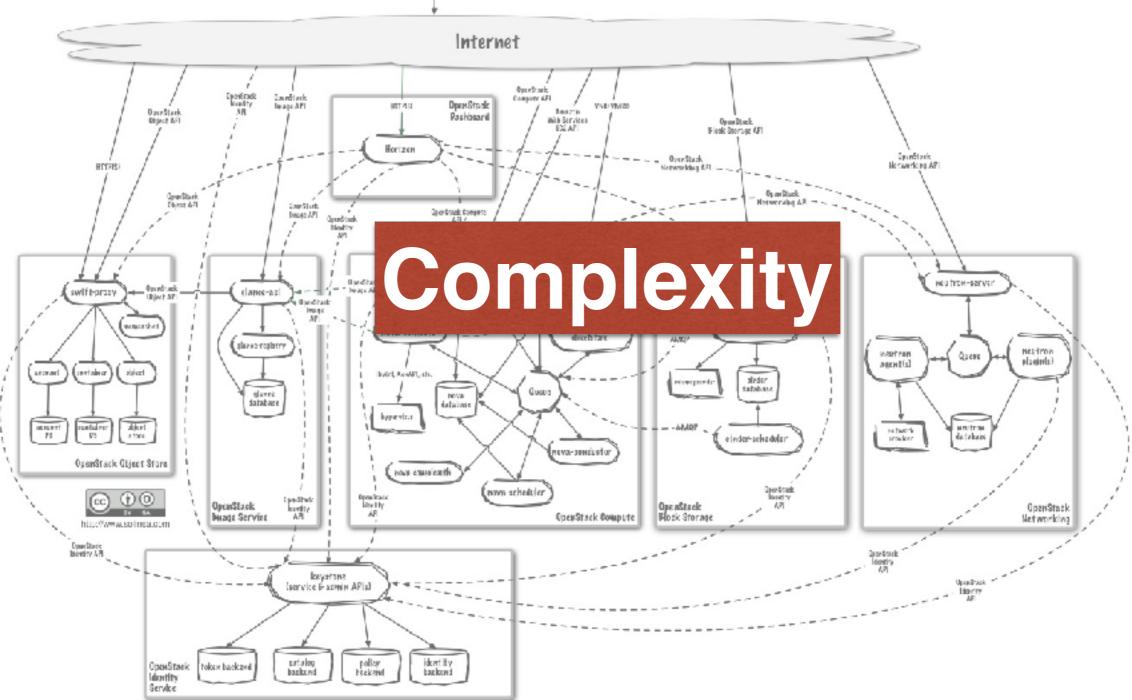
Micro services



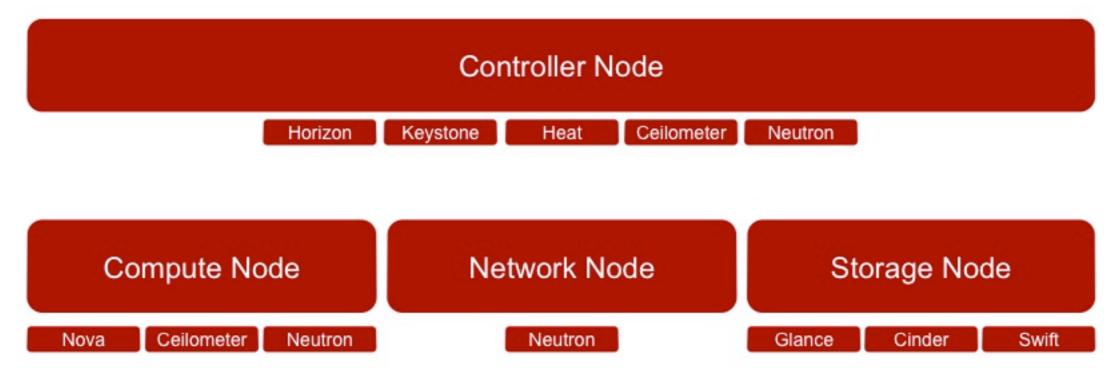


- Command-line interfaces (nova, new from swift, and so on)
- Cloud Management fools (Right scale, finstrative, and so on.)
 GUI tools (Pashbaard, Cyberduck, Phone ellent, and so on.)

Micro services







More than 20+ nodes!!!!

Image Optimization

Hardware Design

Туро

High Availability

Logging

Hardware Design

Scalable

Monitoring

Human Error?

Security

Security bug patch

Network Design

Configuration management

Api Health Check

Simple
Stable
Scalable
Scurity
Automated



OpenStack **Distros**

OpenStack Distros











































OpenStack Distros







































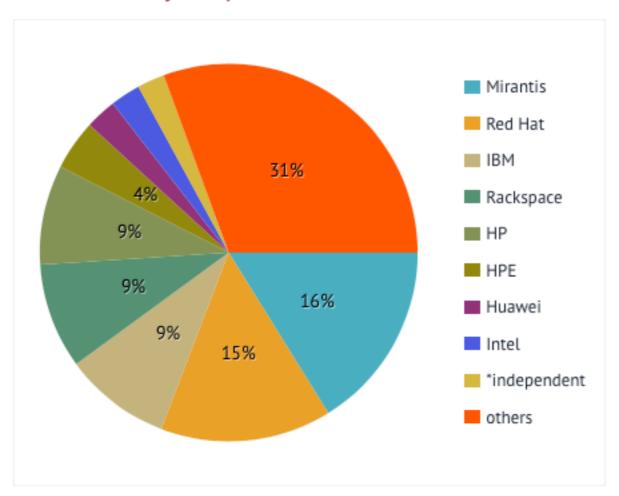








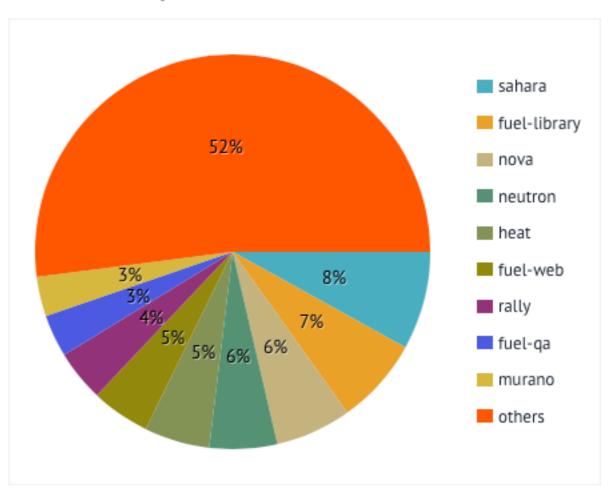
Contribution by companies





#	Company \$	Reviews •
1	Mirantis	169070
2	Red Hat	153268
7	IDM	05563

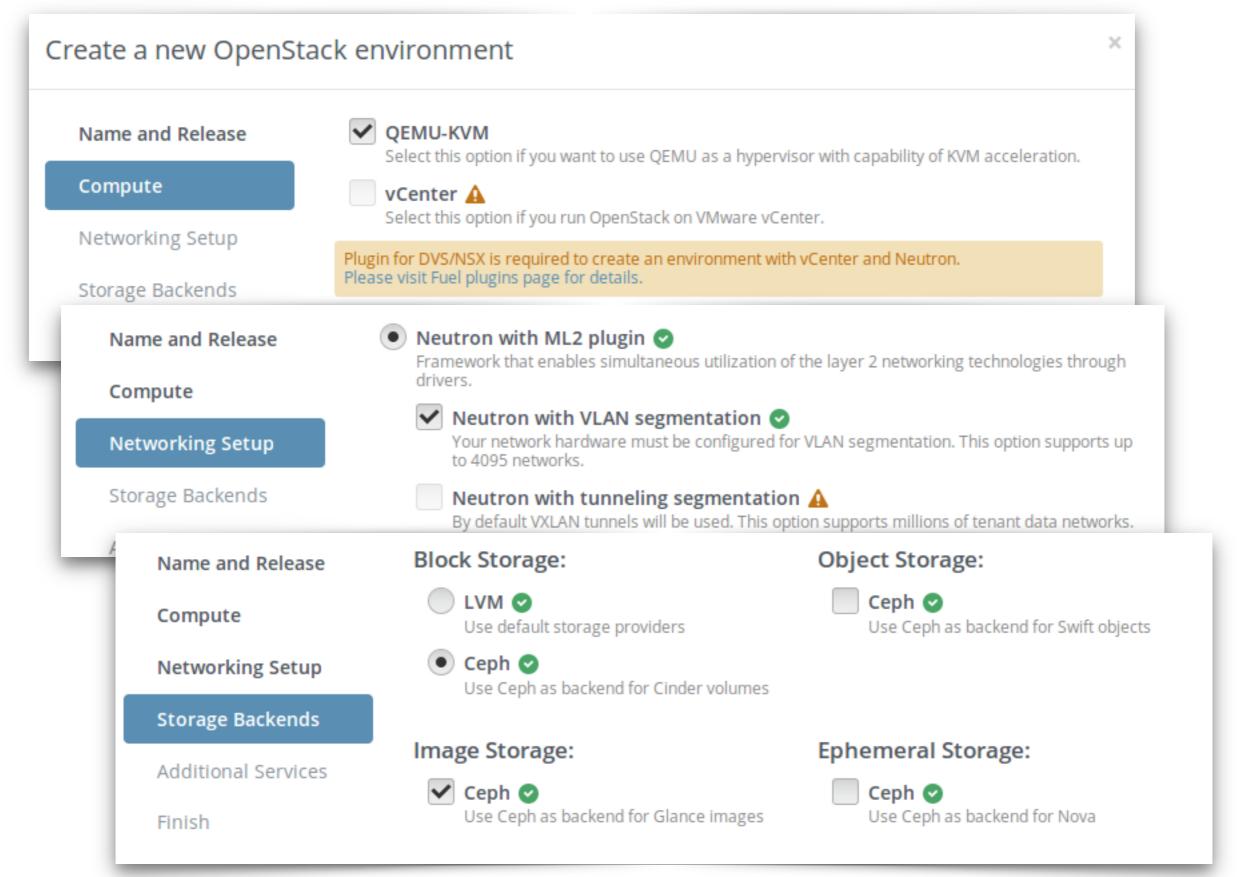
Contribution by modules



Show 10 🗘	entries	Search:
5.1011	01101100	Search:

#	Module	Reviews •
1	sahara	13604
2	fuel-library	11996
3	nova	10518

Setup Wizard



Hardware Discovery

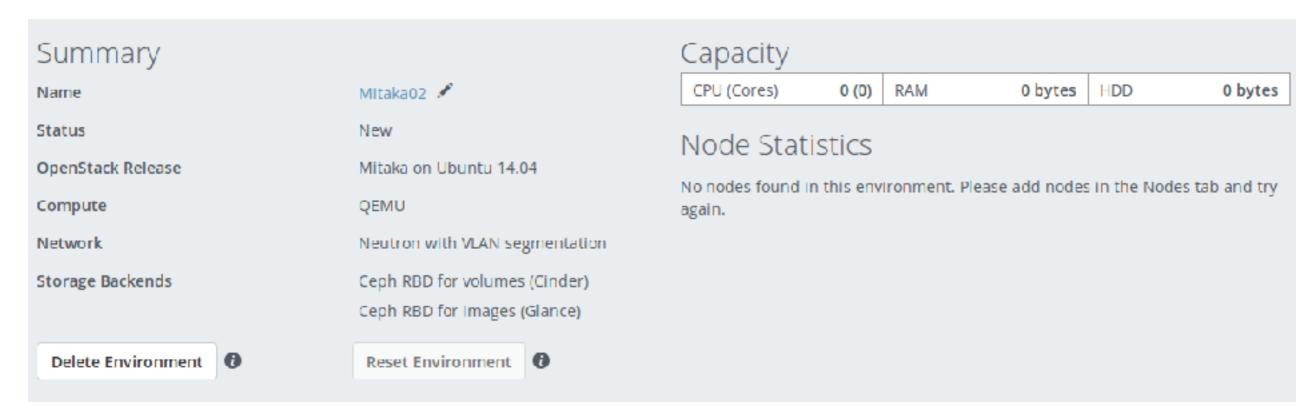


Cluster Summary

Welcome to the New OpenStack Environment!

You must add at least one node to your environment in order to deploy.





Documentation

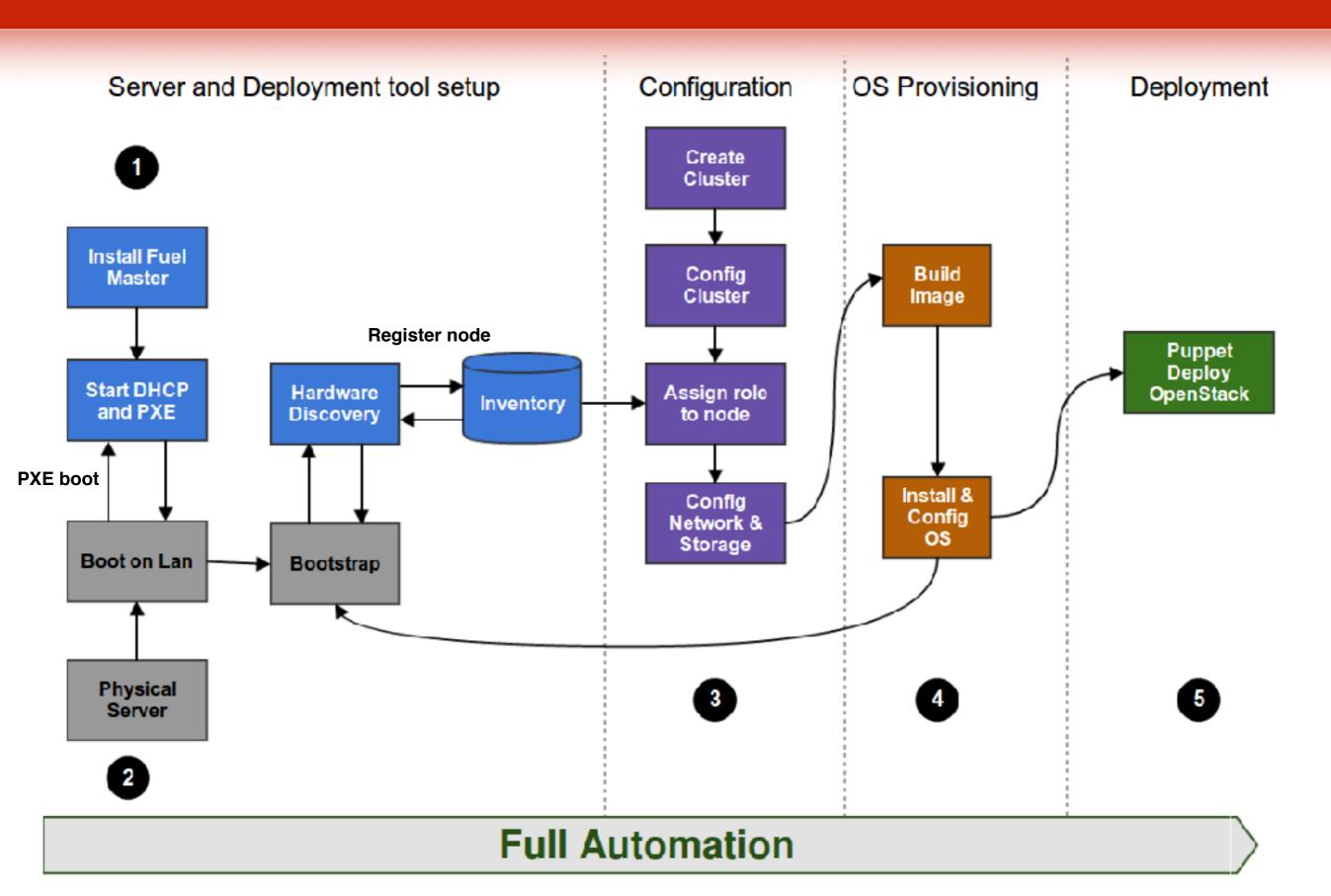
Quick access to the documentation on how to deploy and configure your OpenStack environment:

- OpenStack Documentation
- Plugin Developer Documentation



Pros

- Wizard driven deployment
- Plugin Framework
- Built-in-Health Check (Pre-Post)
- Multi Cluster Management
- Hardware discovery
- Inventory Management





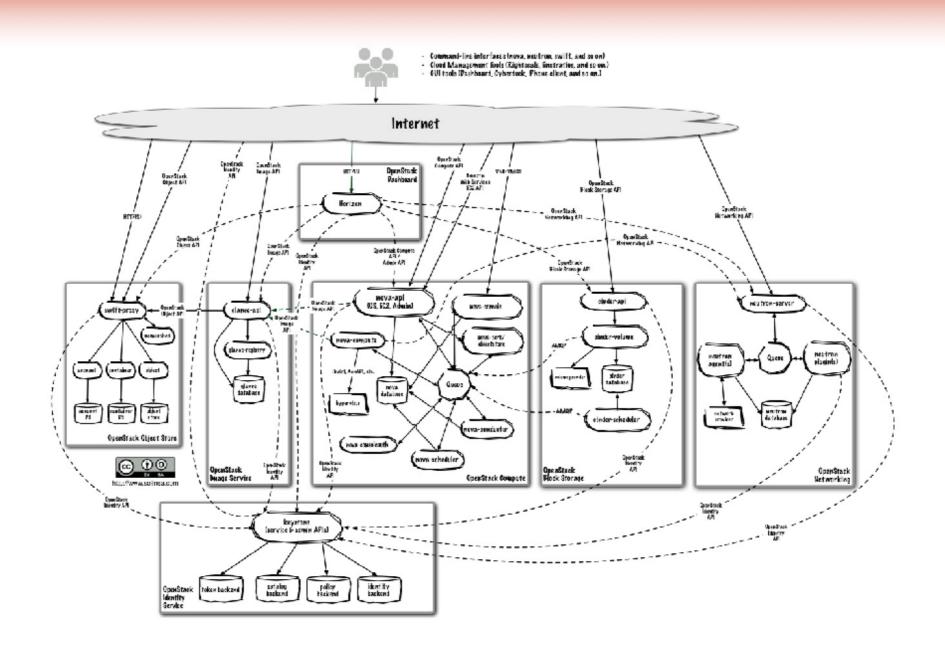
Cons

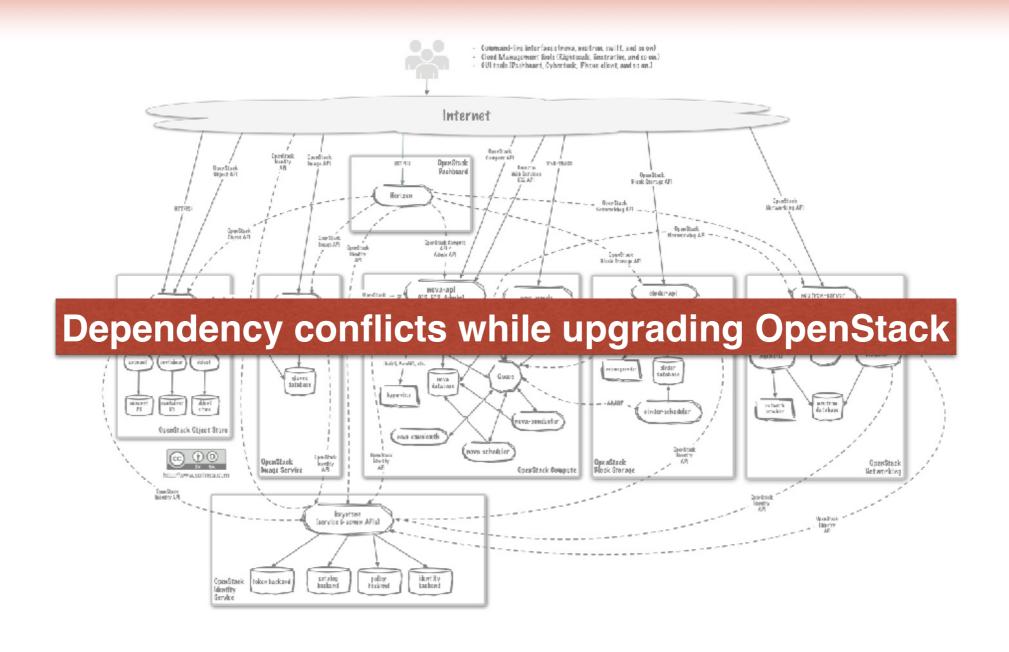
- Cannot Detach Network node from Controller node
- Non-Flexible Architect deployment
- Hard to customize Fuel

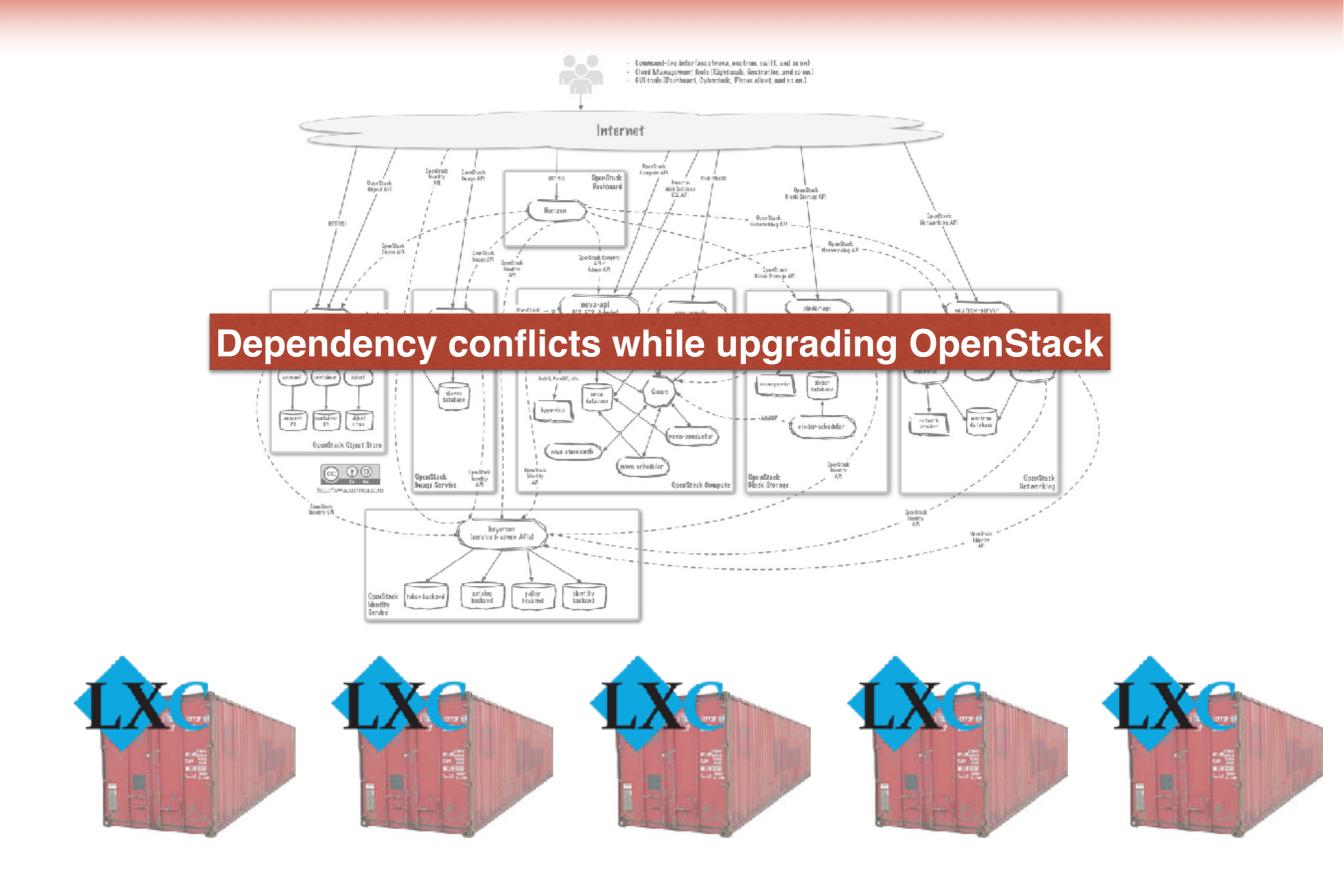




OpenStack Ansible







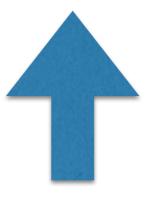












- Deploy
- Maintain
- Upgrade







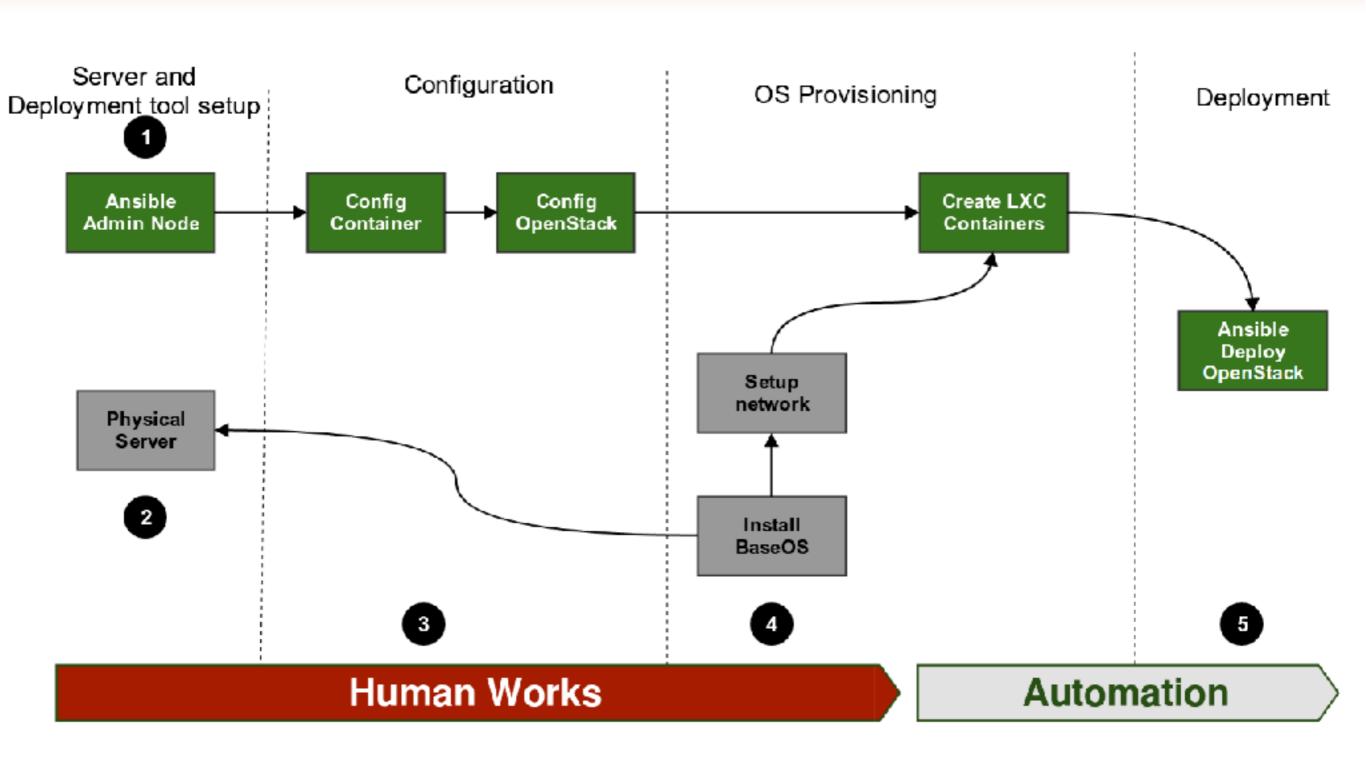
- A set of ansible playbooks to manage an OpenStack cloud
 - Deploy
 - Maintain
 - Upgrade
- Supports source based installation
- Uses LXC containers
- Contributed by Rackspace since kilo release

ANSIBLE



Pros

- Flexible Architect deployment
- Container based
- Build form upstream sources
- Security follow by STIGs
- Easy to Customization



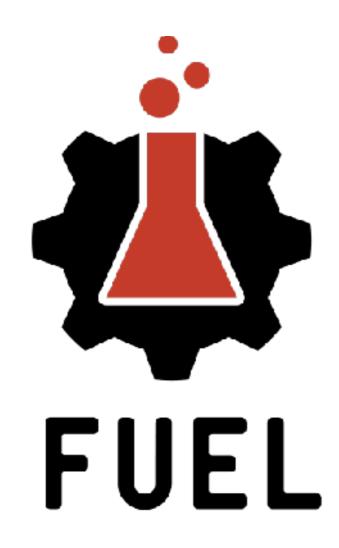
Cons



- OS installation manually
- Network setup manually

rackspace the open cloud company

- No vendor support
- Stable version may got bugs
- No GUI wizard



Easy & Powerful



Flexible & Scalable





Easy & Powerful

Flexible & Scalable

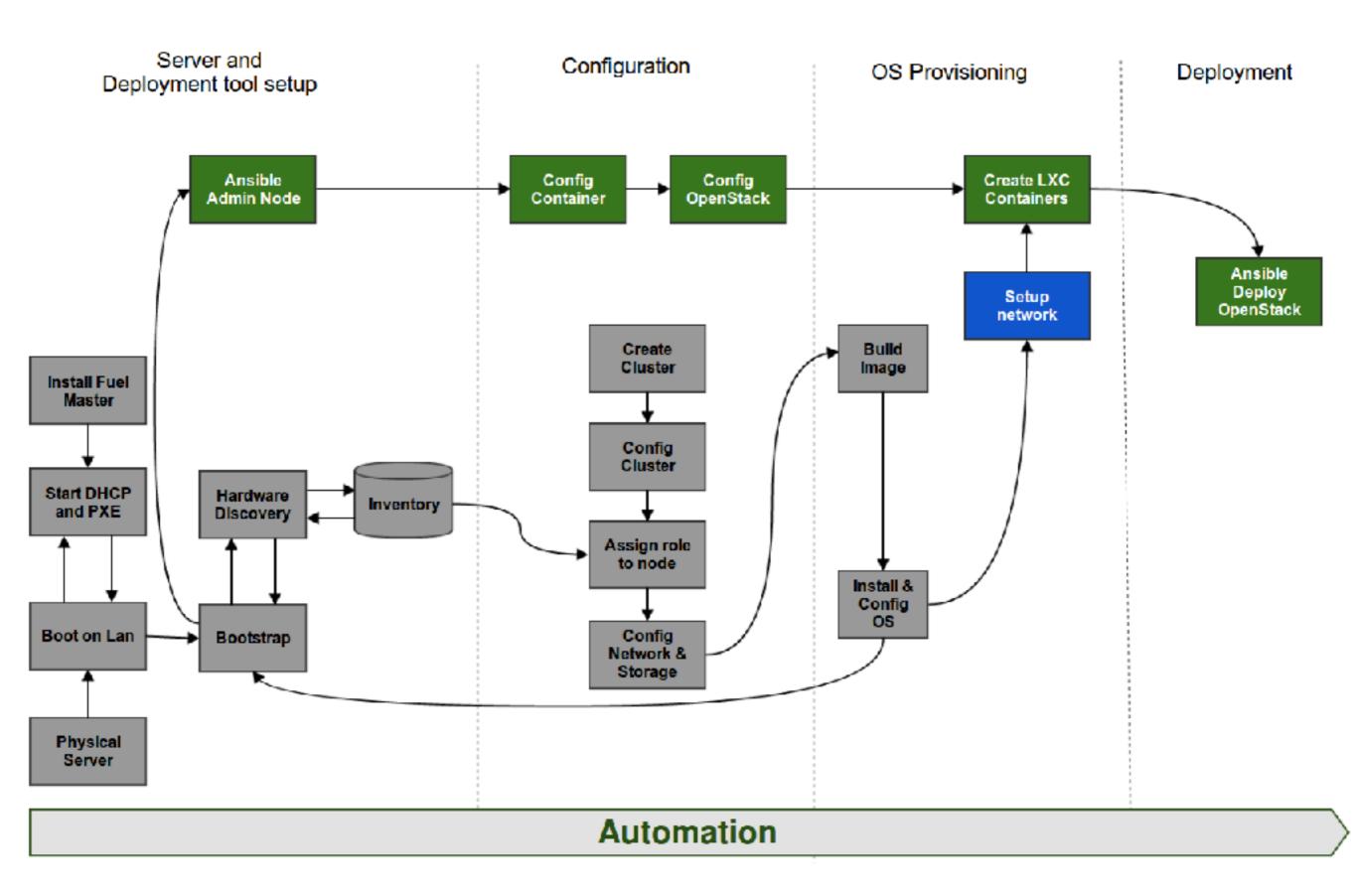






- Hardware Discovery
- Inventory management
- PXE OS Installation

OpenStack Deployment



DEMO

Q&A

