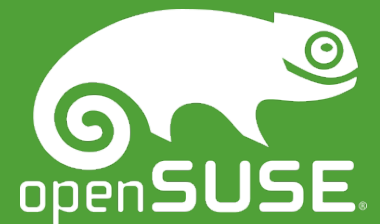


Building Private IaaS Cloud with openSUSE Leap 42.1 and OpenStack Liberty

Utian Ayuba
utianayuba@gmail.com

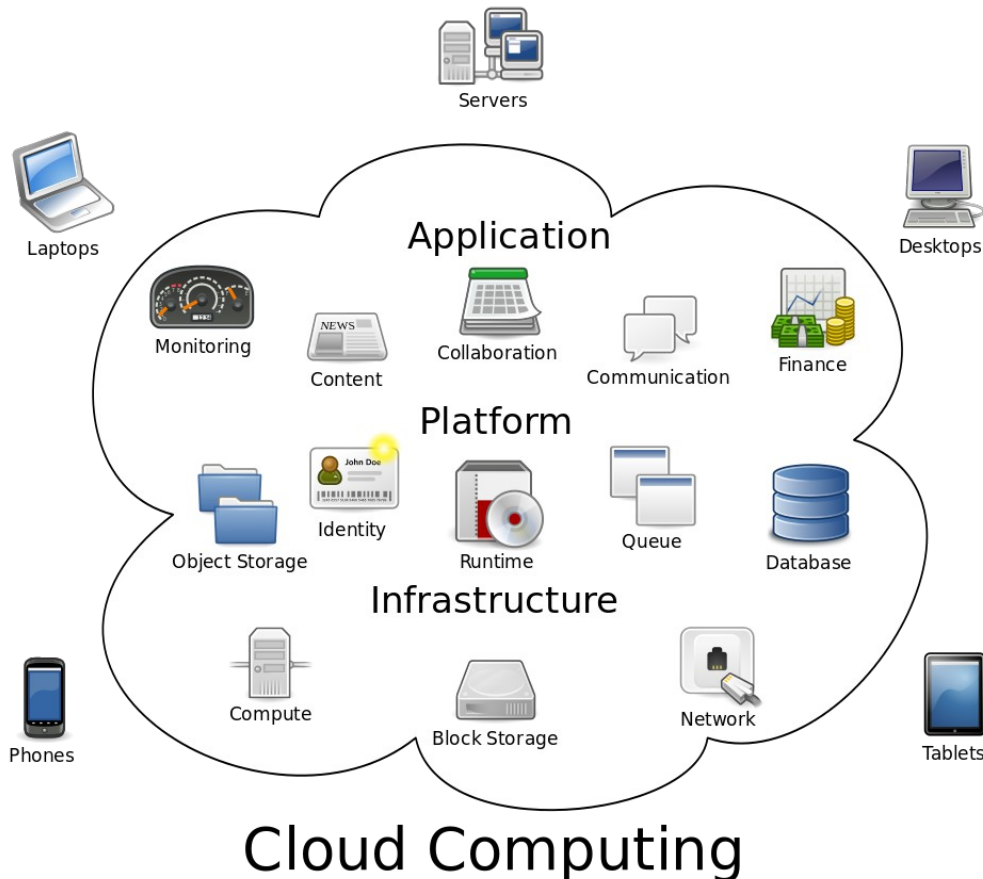


About Me

- Come from Indonesia
- Independent consultant on Linux system administration
- New user of openSUSE & just join Indonesia openSUSE Community 2 months ago

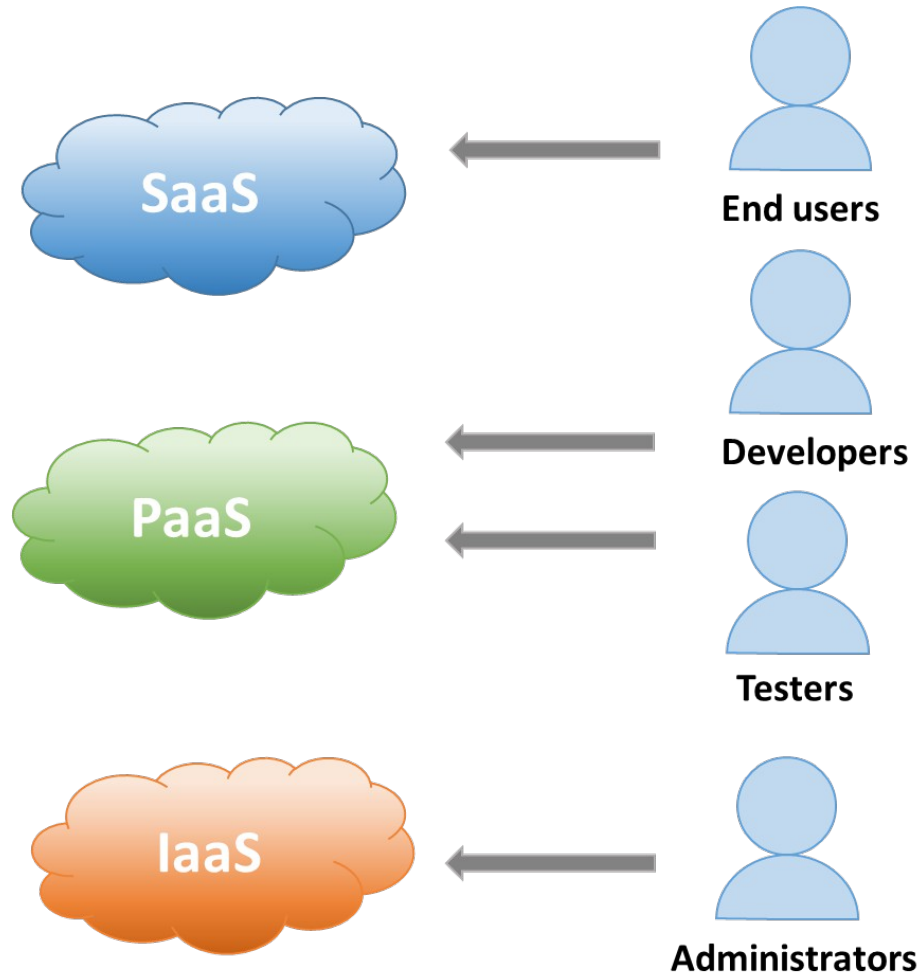


Characteristic of Cloud Computing



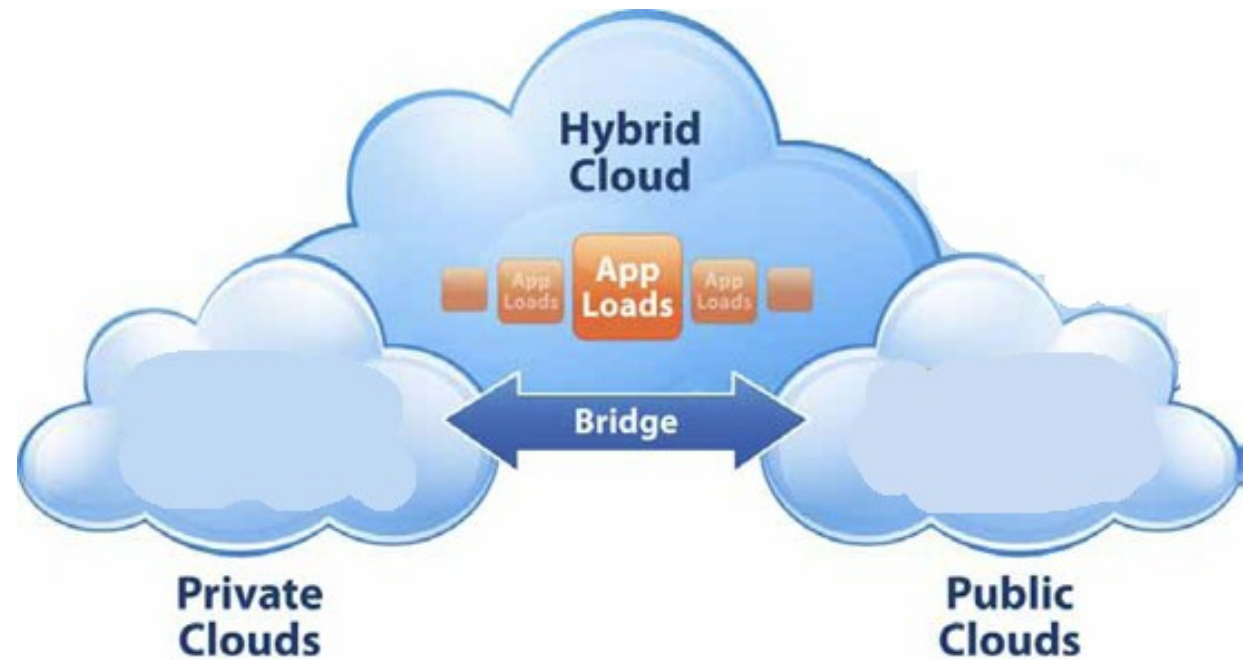
- Resources Pooling
- Broad Network Access
- Measured Service
- Rapid Elasticity
- **Self Service**

Type & User of Cloud Computing



Implementation Model

- *Public Cloud*
- *Private Cloud*
- *Hybrid Cloud*
- *Community Cloud*

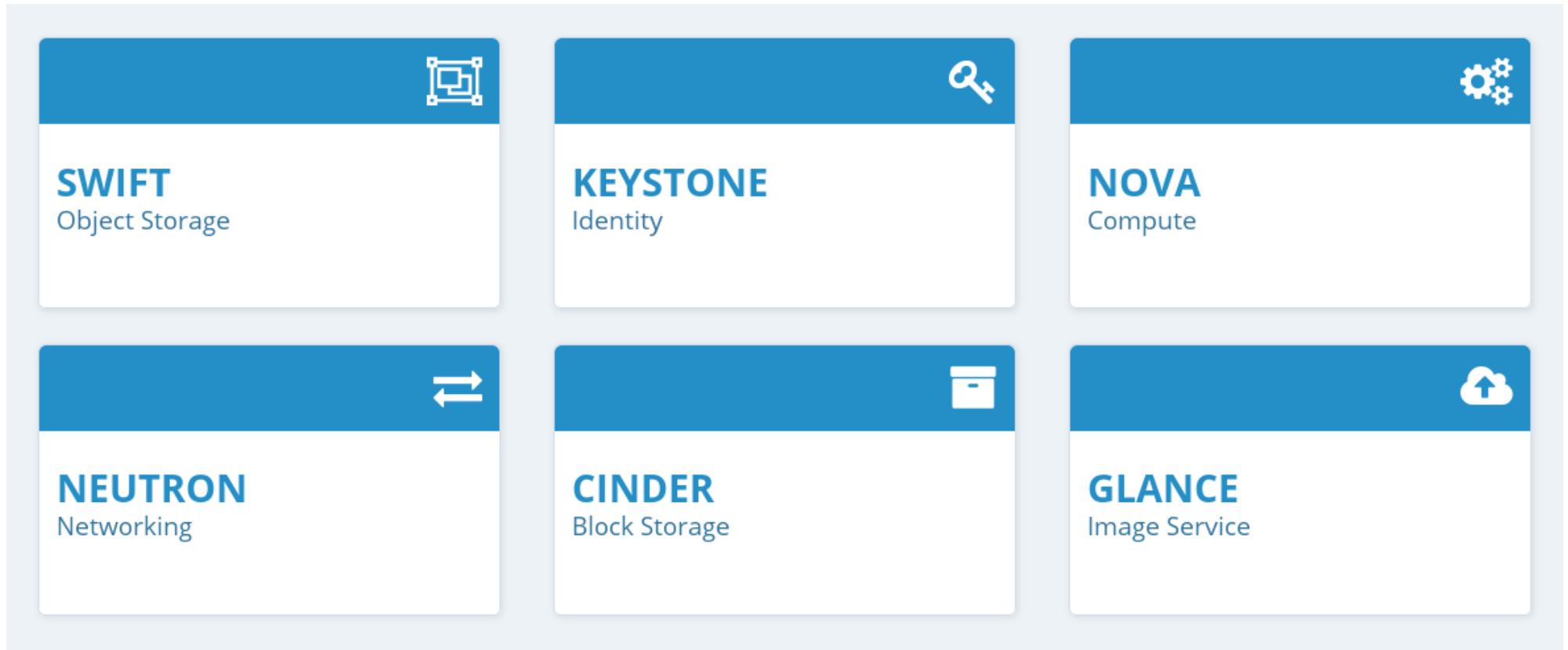


OpenStack

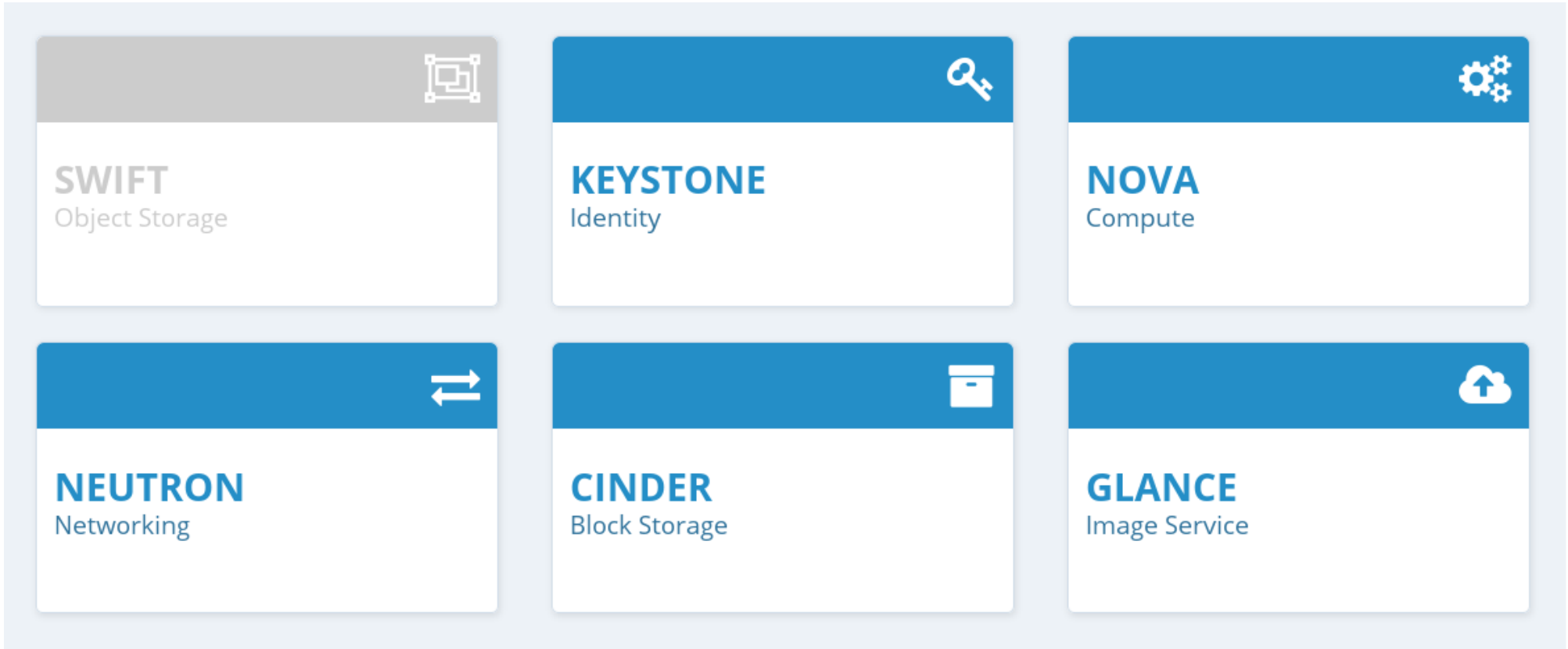


Open Source IaaS Private Cloud Software

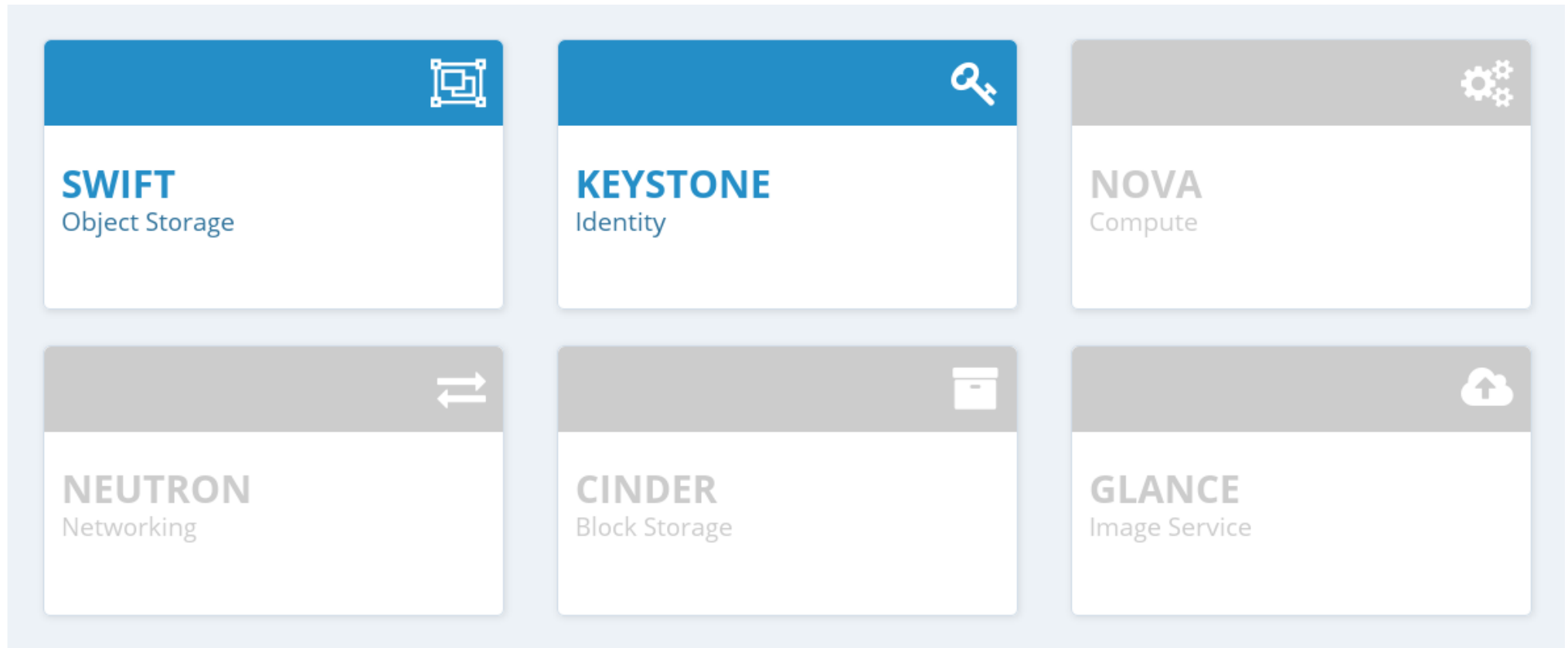
OpenStack Core Services



Compute Deployment



Object Storage Deployment



OpenStack Optional Services



HORIZON

Dashboard



CEILOMETER

Telemetry



HEAT

Orchestration



TROVE

Database



SAHARA

Elastic Map Reduce



IRONIC

Bare-Metal Provisioning



ZAQAR

Messaging Service



MANILA

Shared Filesystems



DESIGNATE

DNS Service



BARBICAN

Key Management



OpenStack Version

Series	Status	Releases	Date
Mitaka	Under development	Mitaka Release Schedule	Oct 15, 2015
Liberty	Current stable release, security-supported	Liberty Release Notes	Oct 15, 2015
Kilo	Security-supported	2015.1.2	Oct 13, 2015
		2015.1.1	Jul 30, 2015
		2015.1.0	Apr 30, 2015
Juno	Security-supported	2014.2.4	Nov 19, 2015
		2014.2.3	Apr 13, 2015
		2014.2.2	Feb 5, 2015
		2014.2.1	Dec 5, 2014
		2014.2	Oct 16, 2014



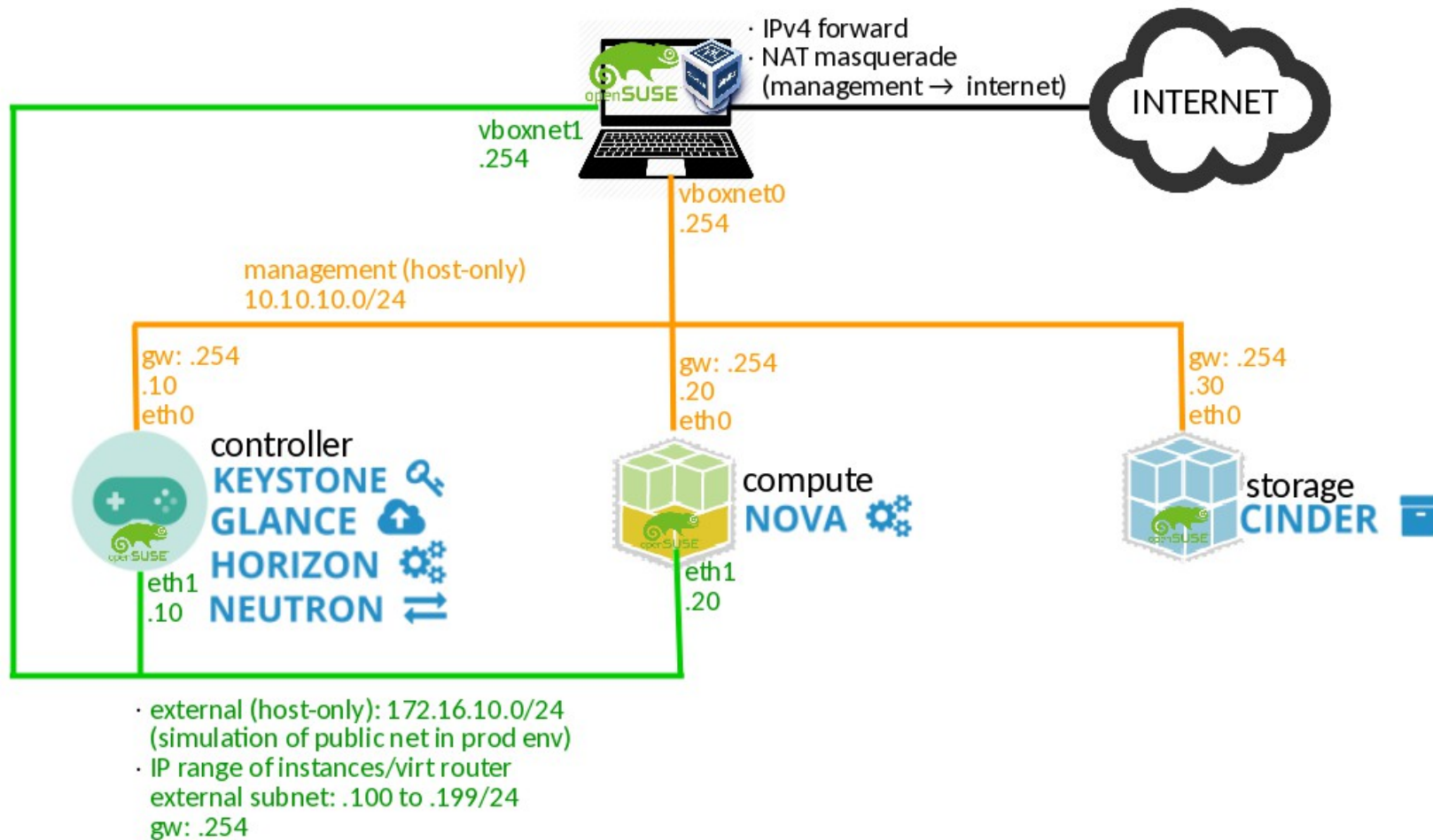
Demo

Install OpenStack Liberty
on openSUSE Leap 42.1

Commands and Configurations:

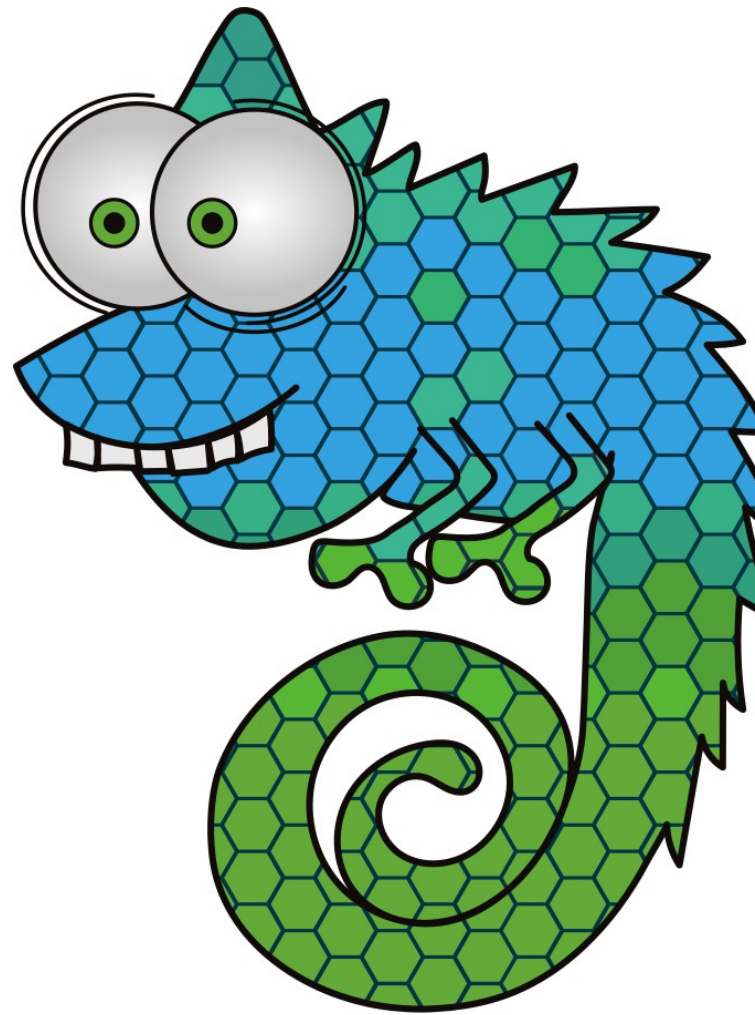
https://github.com/utianayuba/liberty_leap42.1

Topology



Discussion

The background of the slide is composed of several large, overlapping hexagonal shapes. A large teal hexagon is on the left, containing the word 'Discussion'. To its right are two green hexagons, one above the other. Below the teal hexagon is a blue hexagon. The hexagons are separated by thin white lines, creating a geometric pattern.



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