



OpenStack@LAL

Introduction

v0.2

Oleg Lodygensky, CNRS – LAL

May 26th, 2016

Orsay



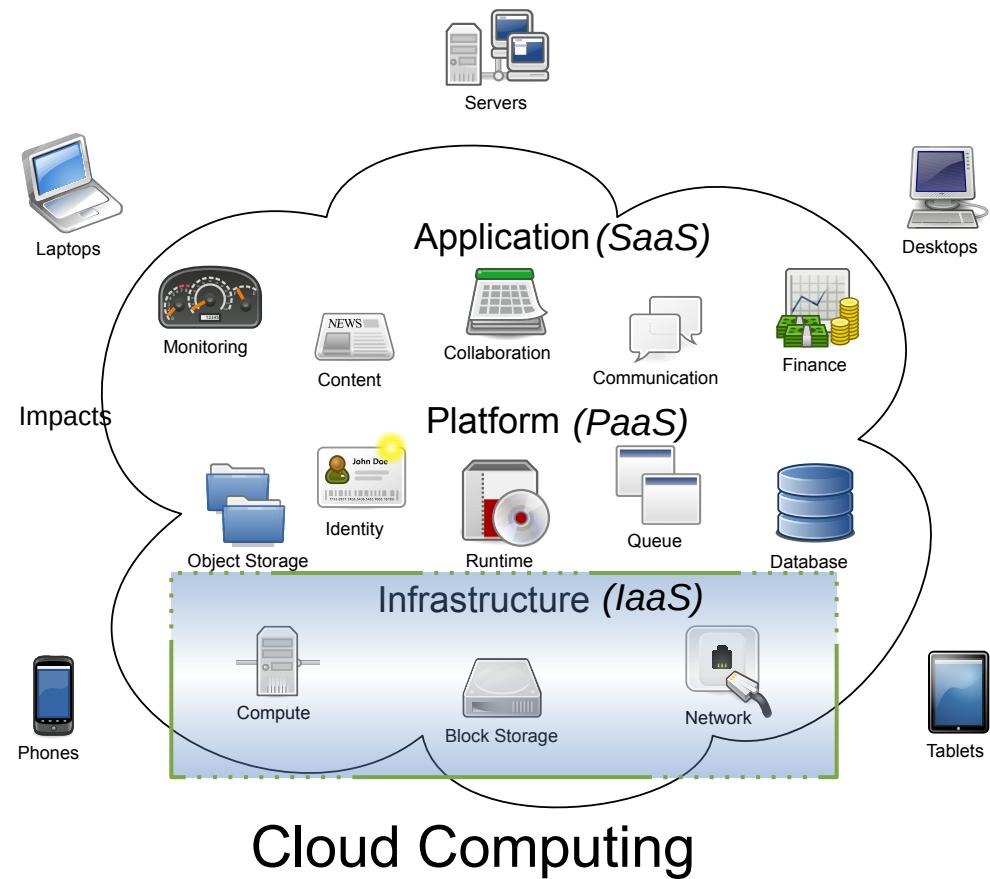
H2020-ICT-644925 – CYCLONE

Complete Dynamic Multi-cloud Application Management

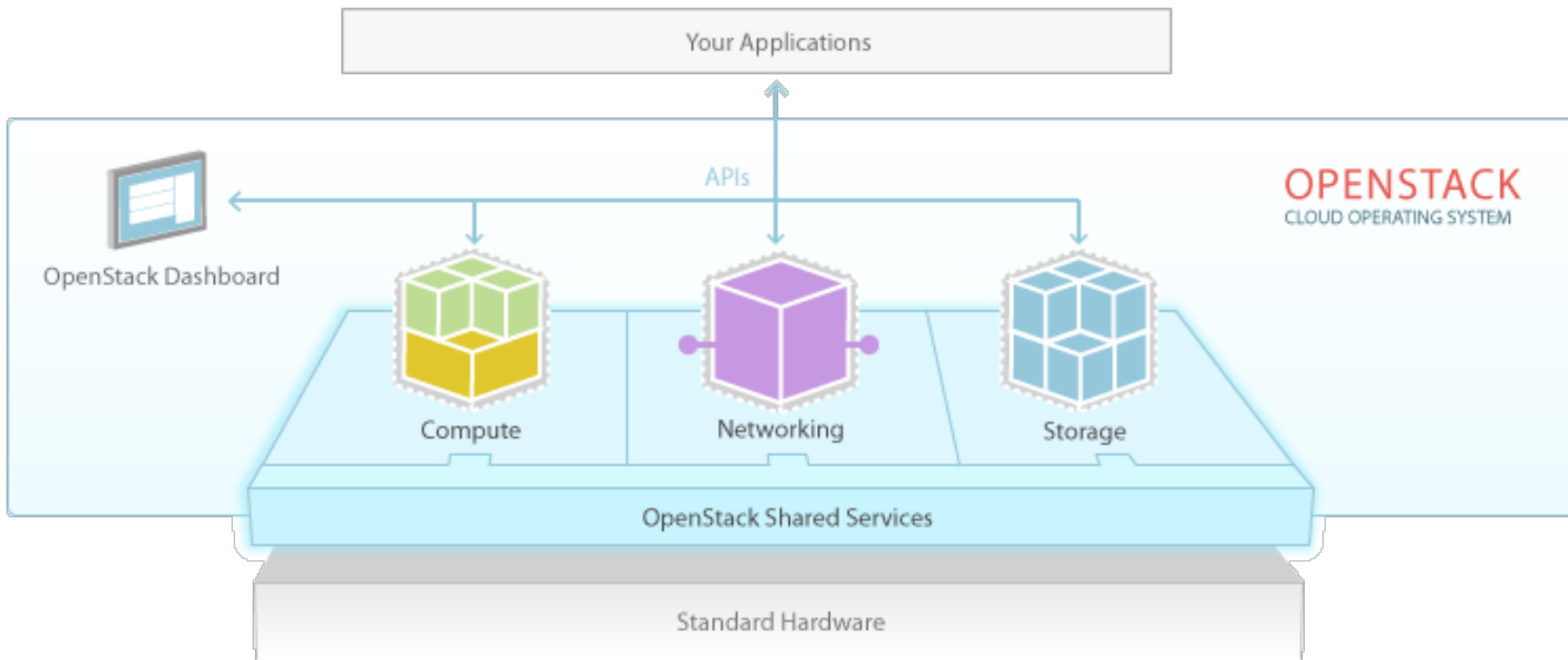
- Goal
 - Create and deploy your appliance
- Content
 - 1) Overview
 - 2) Appliance overview
 - 3) OpenStack client installation
 - 4) OpenStack client usage
 - Running a VM
 - Creating your appliance
 - Creating a persistent storage
 - Running your appliance

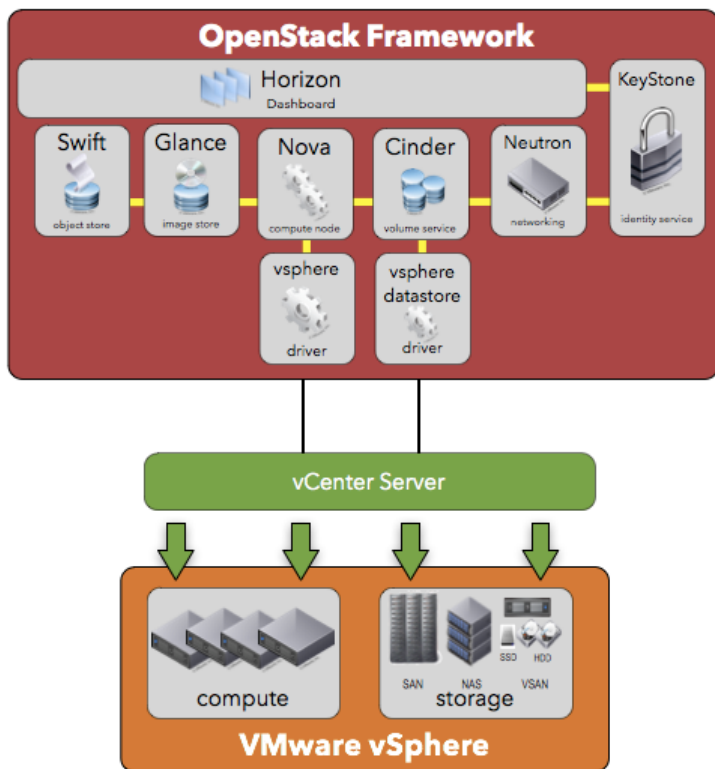
OpenStack is :

- IaaS cloud distrib
- Open source (Apache2)
- Production public and private IaaS



<http://www.openstack.org/>





- **Horizon** : web dashboard
- **Swift** : object storage
- **Glance** : image
- **Nova** : compute
- **Cinder** : volume
- **Neutron** : network
- **Keystone** : authentication

- **Marketplace**

- a dissemination service from former *Stratuslab* project
- sharing and trusting images
- Handles metadata only
 - Split metadata and image content
- 'Private' image also managed
- CentOS, Ubuntu and Scientific Linux maintained
- launch image in one click only

- **Marketplace** : <https://marketplace.stratuslab.eu>
- **Documentation** : <https://openstack.lal.in2p3.fr>
- **Dashboard** : <https://keystone.lal.in2p3.fr>