



Syllabus

Openstack Administration (OS-ADM)



About This Course

The focus of OpenStack Administration will be managing OpenStack using both the web-based dashboard and the command-line interface, in addition to managing instances and installing OpenStack using the Kolla-Ansible project tool. Essential skills covered in the course include configuring OpenStack; managing users, projects, flavors, roles, images, networking, and block storage; setting quotas; and configuring images at instantiation.



Summary



Training Duration: 32 Hours (4 Days)

Course Main Subjects

- Launch an instance.
- Manage projects, quotas, and users.
- Manage networks, subnets, routers, and floating IP addresses.
- Create and manage block and object storage in the OpenStack framework.
- Customize instances with cloud-init.
- Deploy scalable stacks.
- Deploy OpenStack using a kolla-ansible tool.



Target Audience

System Administrators, Cloud Administrators, Storage Administrators.

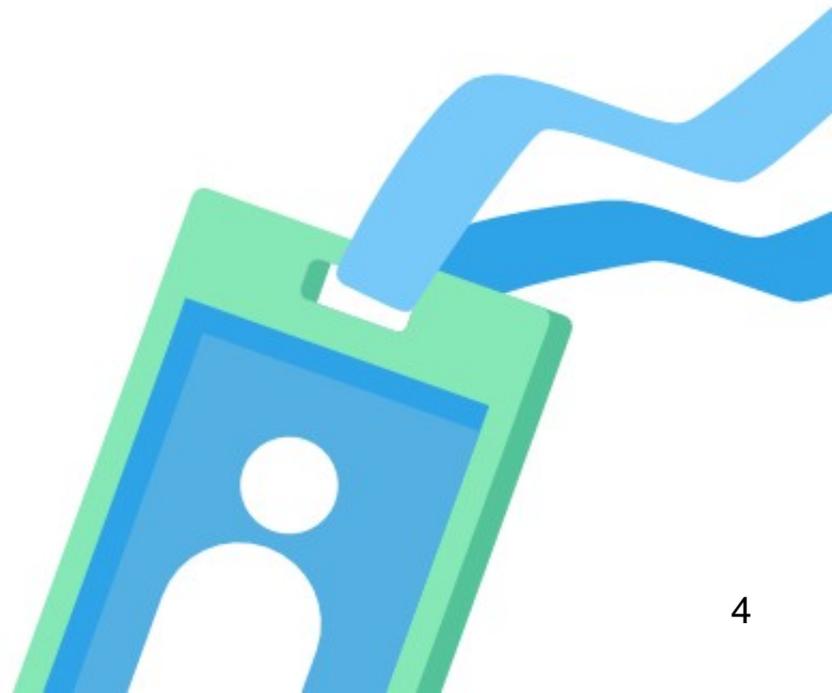
Prerequisites

- Basic Networking, Linux and Storage SysAdm.

Learning Output

The learning topics will assist participants in :

- 1) Understanding how to deploy Openstack..
- 2) Understanding how to deploy Instances.
- 3) Understanding Management Openstack Environment.



Requirements

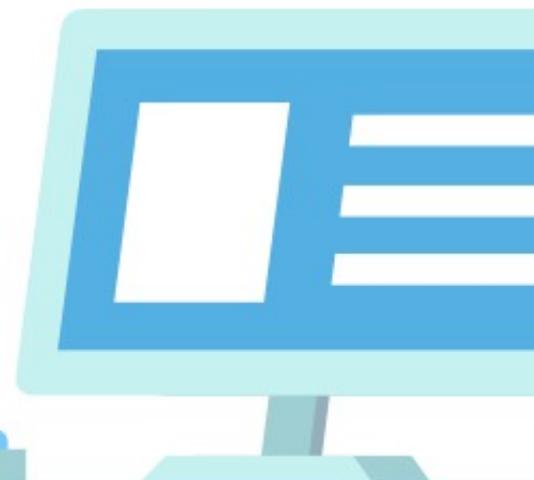
- Have a laptop/computer with min. specification:

Operating System	Windows, Linux, or MacOs
Processor	Intel Core i3
Memory	4 GB RAM

- SSH Client Terminus / Putty / MobaXTerm
- Text Editor Sublime Text / VSCode
- Browser Chrome and Firefox

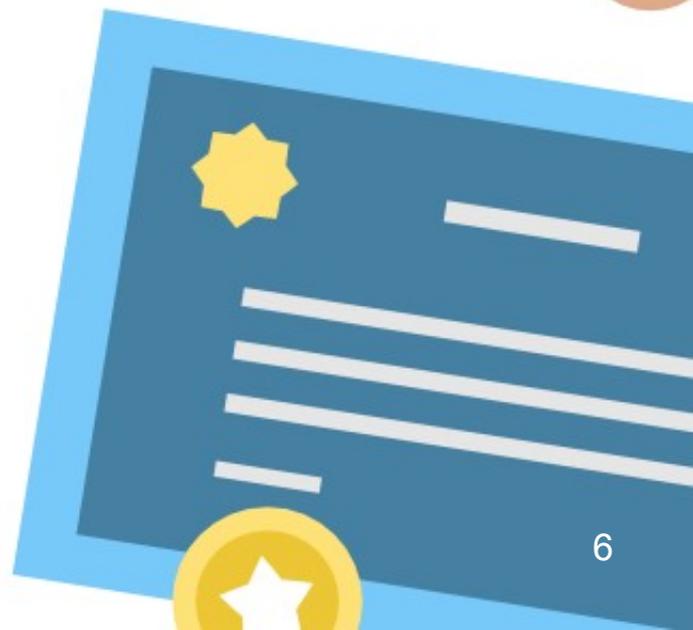
Facilities

- Virtual machine (available until H+5 post training)
- Class materials
- Certificate
- Recording (VITL)
- Support Group (WA/Telegram)



Certification

- Certificate of Course Completion
- Btech Internal Exam (optional)



Learning Strategies

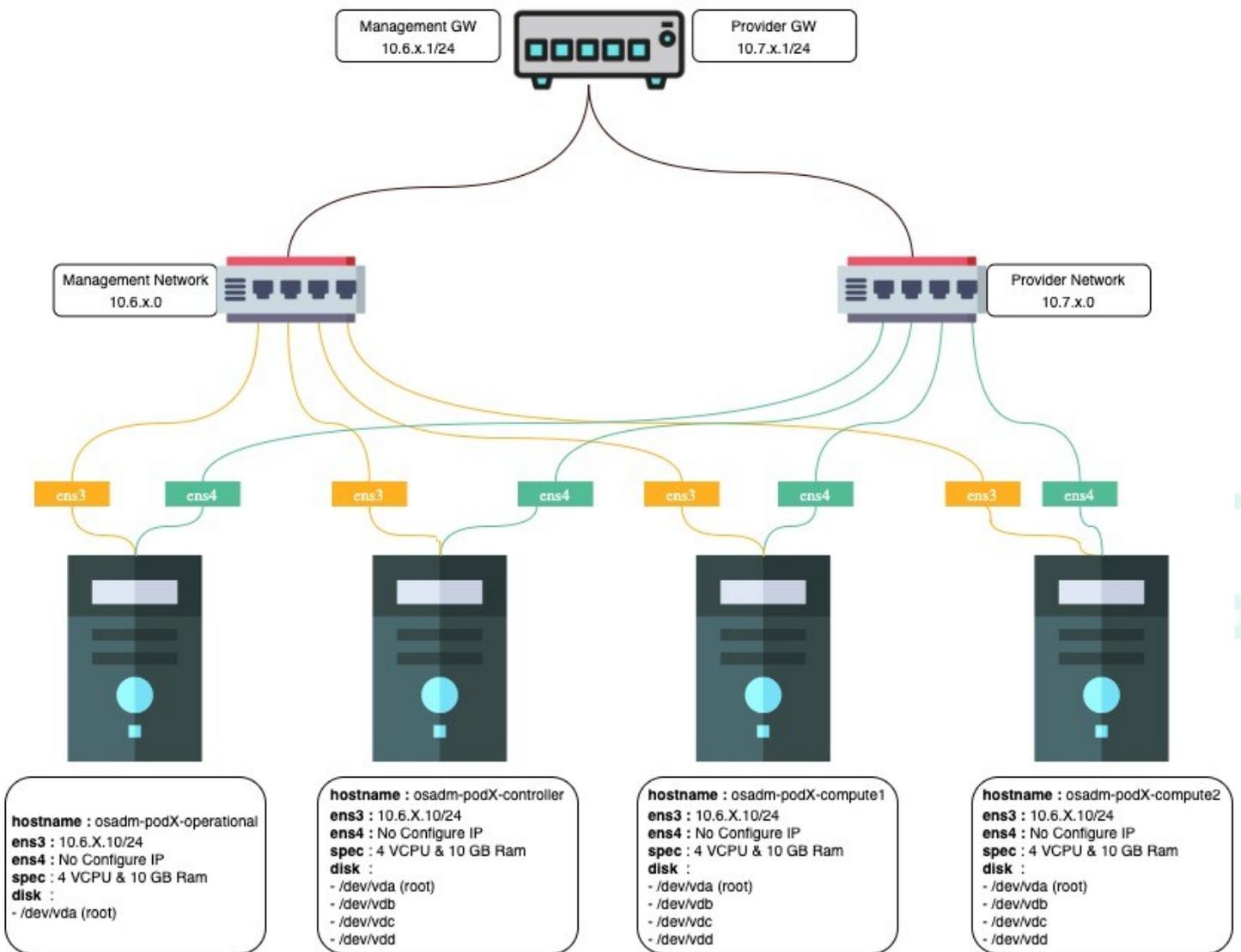
- Basic Theory
- Study Case
- Implementation / Hands-on
- Evaluation



Outline Modules

- Course Introduction
- Install an OpenStack
- Introduce launching an instance
- Organize people and resources
- Describe cloud computing
- Manage Linux networks
- Prepare to deploy an instance with public access
- Deploy an instance
- Manage policy
- Manage block storage
- Manage object storage
- Prepare to deploy an external instance
- Deploy an instance with public access
- Customize instances .

Topologi Training



Thank You