

Openstack Beginners - Crash Course

Syllabus:

Part 1

1. Course Introduction
2. Virtualization Concepts
KVM, VMWare, VirtualBox, Xen
3. Cloud Operating Systems Overview and Demo
AWS, Google Cloud, Openstack, VMWare
4. OpenStack Introduction and Concepts
Keystone, Glance, Nova, Neutron , Cinder ,Horizon

Part 2

5. Openstack Dashboard(Horizon) Overview and Demo
6. Openstack CLI
- Installation, setting up, Sample Commands
7. LAB Activities (30+ exercises)
 - Nova exercises (VM, Keypair, Flavor, Cloudinit, etc)
 - Glance exercises
 - Neutron exercises (Network, port, router, security group, floating ip)
 - Keystone (tenant, user ,role)

Part 3

8. Installation
9. Openstack Internals
 - Architecture, Services
 - Debugging logs