



OPENSTACK Essentials

Pre-Requisites:

- Networking Fundamentals
- Basic Linux skills
- Basic knowledge of Server Virtualization
- Basic knowledge of Server Implementation
- Basic familiarity with function of 'Rabbit MQ'
- Basic familiarity with function of 'SQL Database Technology'
- Openstack Installation experience

Training Outline – 3 Days

Day 1:

- Course Overview and Objectives
- OPENSTACK Overview & Development History
- Architecture Overview – Demo of Openstack
- Openstack Components – Deep Dive
- Controller & Compute Essentials
- Installation of Openstack – Hands-On

Day 2:

- Storage Essentials (Cinder/Swift)
- Configure Storage Components with NOVA Controller – Hands-On
- Openstack – Volumes Management and Maintenance
- Networking Essentials – (Neutron, Open vSwitch, Linux Bridge)
- Configuring Neutron virtual networking services (L2 services, DHCP agents, L3 agents) – Hands-On
- Troubleshooting Networking Issues

Day 3:

- Shared Services Essentials (KeyStone, Glance, Ceilometer, Trove)
- Horizon
- User & Project Management – Hands-On
- Image Management
- Instance Provisioning – Hands-On
- Use Cases
- Integration & Customizations (NetApp Storage, CSR 1000v, Active Directory)