INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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Gerrit Course

Introduction

- Introduction to Linux
- Linux admin commands
- Introduction to Cloud
- Comparison with Amazon AWS and RackSpace cloud
- Other Cloud frameworks
- Introduction to OpenStack and its components
- Virtualization techniques

Compute (Nova)

- What is nova
- Supported hypervisors
- Xen, LXC, KVM, Qemu, VMWare
- Architecture & features
- Control Flow
- Building a Platform as a Service using Docker/LXC?

OpenStack image service (Glance)

- What is Glance
- Supported image formats

- Creating, uploading and using an image
- Architecture & features
- Control flow

   Software defined storage (Cinder)

- What is Cinder
- Block Storage properties
- Architecture & features
- Control flow

   Software defined storage (Swift)

- What is Swift
- Object storage properties
- Object security, permissions and metadata
- Architecture & components
- Features
- Control flow
- Building a Content Delivery Network

   Software defined networking (Neutron)

- What is Neutron
- Architecture & features
- Control flow
- Creating VPN
- Open vSwitch

   Cloud Security

- Cloud security groups
- Instance access (SSH Keys)
- Virtual private clouds

- DMZs

Identity & Access Management (Keystone)

- RBAC
- Users, Roles, Groups, Domains, Projects

OpenStack dashboard (Horizon)

- What is Horizon
- Architecture & features
- Control flow

Additional components of an OpenStack system

- Message serverRabbitMQ and Qpid
- Databases Mysql and sqlite