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## OPEN STACK SYLLABUS CONTENT

### Openstack Introduction

- ✓ Define Cloud Computing
- ✓ Foundation of Linux
- ✓ What is OpenStack?
- ✓ Training for Linux Foundation
- ✓ Registration

### Openstack Initialization

- ✓ Deployment of OpenStack
- ✓ OpenStack Deployment with Devstack
- ✓ OpenStack Deployment with Packstack

### Administration of openstack

- ✓ Networks of External
- ✓ Projects
- ✓ Creation of Projects
- ✓ User Management
- ✓ Flavors
- ✓ Creation of Flavors

### Openstack Usage

- ✓ Glance Images Management
- ✓ Concepts of Neutron Networking
- ✓ Groups of Security
- ✓ SSH Keys Management

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- ✓ Instance Launching
- ✓ Concepts of Cinder
- ✓ Command Line Using tools

### **Images Building and Deploying**

- ✓ Images Building
- ✓ Usage of qemu-img
- ✓ Repository Image Glance
- ✓ Deployment

### **Heat Deploying Resources**

- ✓ Heat Management Instances
- ✓ Heat Templates Creation
- ✓ Functions, Parameters, and Outputs
- ✓ Resources of Heat

### **Applications of Auto-scaling with Heat**

- ✓ Templates of Autoscaling Heat
- ✓ Auto-Scaling Heat Template deployment and management

### **Services of Load Balancer**

- ✓ LBAAS (Load Balancer as a Service)

### **Management Identity with Keystone**

- ✓ User Managing with Keystone
- ✓ Services of Keystone

### **Object Store Swift**

- ✓ Concepts of Object Store
- ✓ Architecture of Swift System

- ✓ Concepts of Consistent Hash Ring

### **Compute of Nova**

- ✓ Troubleshooting with Nova an Instance
- ✓ Migration Live
- ✓ Spice Consoles and VNC
- ✓ Ram and CPU Management
- ✓ Groups of Server
- ✓ Regions Segregating with OpenStack
- ✓ Availability Zones with Segmenting Compute
- ✓ Segmenting Host Aggregates Compute

### **Networking of Neutron**

- ✓ Management of Neutron Networks
- ✓ Neutron Networking

### **Openstack**

- ✓ Kilo Release

