

Red Hat OpenStack Administration II Training (CL210)

Overview

Red Hat OpenStack Administration II (CL210) has started transition from administering OpenStack using Horizon to using the unified CLI command-line interface.

This course includes:

Configuration of Red Hat OpenStack Platform using OpenStack Director, manage users, flavors, projects, roles, images, networking & block storage, automation (scale-back & scale-out) & build a customized image.

Objectives

- Launch instances
- Manage core OpenStack (Red Hat) services using unified CL (command-line) interface
- Migrate instances between the compute nodes
- Build a customized JEOS image
- Automatically scale-out & back applications

Course Outline

Course introduction

Introduce and review the course.

Manage an enterprise OpenStack deployment

Manage the undercloud, the over cloud, and related services.

Manage internal OpenStack communication

Administer the Keystone identity service and the advanced message queueing protocol (AMQP) messaging service.

Build and customize images

Build and customize images.

Manage storage

Manage Ceph and Swift storage for OpenStack.

Manage resilient compute resources

Add compute nodes, manage shared storage, and perform live instance migration.

Manage and troubleshoot

Manage and troubleshoot virtual network infrastructure.

Manage resilient compute resources

Add compute nodes, manage shared storage, and perform live instance migration.

Troubleshoot OpenStack issues

Diagnose and troubleshoot OpenStack issues and services.

Monitor cloud metrics for autoscaling

Monitor and analyze cloud metrics for use in orchestration autoscaling.

Orchestrate deployments

Deploy Heat stacks that automatically scale.