

[CL210]: Red Hat OpenStack Administration II

Length : 4 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

This course will also begin the transition from administering OpenStack using Horizon to using the unified command-line interface. Exam competencies covered in the course include: install and configure Red Hat OpenStack Platform (using OpenStack Director), manage users, projects, flavors, roles, images, networking, and block storage, automation (scale-out and scale-back), and build a customized image.

This course is based on Red Hat OpenStack Platform 8.

Audience Profile

This course is designed for Linux system administrators, cloud administrators, and cloud operators.

At Course Completion

- Launch instances
- Manage core OpenStack services using the unified command-line interface
- Install an advanced proof-of-concept OpenStack deployment
- Build a customized JEOS image
- Automatically scale-out and scale-back applications

Pre-Requisites

- Red Hat OpenStack Administration I (CL110) course or equivalent
- Red Hat Certified System Administrator (RHCSA) certification or equivalent knowledge and experience

Course Outline

Module 1: Course introduction

Lessons

- Introduce and review the course

Module 2: Install the OpenStack overcloud

Lessons

- Install overcloud in an OpenStack deployment

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Module 3: Keystone identity service

Lessons

- Install, configure, and use the Keystone authentication services

Module 4: Manage flavors

Lessons

- Manage hardware profiles

Module 5: Manage networks

Lessons

- Manage OpenStack networks

Module 6: Manage floating IP addresses

Lessons

- Manage floating IP addresses

Module 7: Manage security groups

Lessons

- Manage OpenStack security groups and security rules

Module 8: Manage instances

Lessons

- Manage instances

Module 9: Add additional compute nodes

Lessons

- Add additional compute nodes to OpenStack

Module 10: Build a customized image

Lessons

- Build and customize an operating system image

Module 11: Deploy Red Hat OpenStack Platform Director

Lessons

- Deploy Red Hat OpenStack Platform director. (undercloud)

Module 12: Deploy scalable applications

Lessons

- Deploy stacks (applications) that provide scale out/scale back capabilities

Module 13: Comprehensive review

Lessons

- Review Red Hat OpenStack Platform II

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