Red Hat OpenStack Administration II CL210

Course overview

The focus of this course is managing Red Hat OpenStack Platform using the unified command-line interface, managing instances, and maintaining an enterprise deployment of OpenStack. This course also teaches the management and customization of an enterprise deployment of OpenStack (overcloud) and how to manage compute nodes with Red Hat OpenStack Platform director (undercloud).

Outline for this course

Course introduction

Introduce and review the course.

Manage an enterprise OpenStack deployment

Manage the undercloud, the overcloud, 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.