

Red Hat OpenStack Administration I Training (CL110)

Overview

Red Hat OpenStack Administration I (CL110) course will teach students to install a proof-of-concept, configure, use, and maintain Red Hat OpenStack Platform. This course covers the core services: identity (Keystone), block storage (Cinder), image (Glance), networking (Neutron), compute and controller (Nova), and dashboard (Horizon).

CL110 Training Course content summary

- Launch an instance using the Horizon dashboard
- Manage projects, quotas, and users
- Manage networks, subnets, routers, and floating IP addresses using the Horizon dashboard
- Manage the Keystone identity service using the unified command-line interface
- Manage instances using the unified command-line interface
- Deploy Red Hat OpenStack Platform using PackStack

Course Outline

Course introduction

Introduce and review the course.

Launch an instance

Launch an instance and describe the OpenStack architecture and use cases.

Organize people and resources

Manage projects, users, roles, and quotas.

Describe cloud computing

Describe the changes in technology and processes for cloud computing

Manage Linux networks

Manage Linux networks and bridges.

Prepare and deploy an internal instance

Manage images, flavors, and private networks in preparation for launching an internal instance and launch and verify an internal instance.

Manage block storage

Manage ephemeral and persistent block storage.

Manage object storage

Manage object storage.

Prepare and deploy an external instance

Manage external networks and security in preparation for launching an external instance and launch and verify an external instance.

Customize instances

Customize an instance with cloud-init.

Deploying scalable stacks

Deploy a stack and configure autoscaling.

Install OpenStack

Install an OpenStack proof of concept using Packstack.

Comprehensive review of Red Hat OpenStack Administration I

Review tasks in the Red Hat OpenStack Administration I course.