

Red Hat OpenStack Administration II: Infrastructure Configuration for Cloud Administrators with Exam

Code:	CL211
Length:	5 days
URL:	View Online

This course teaches system administrators how to implement a cloud computing environment using Red Hat® Enterprise Linux® OpenStack Platform, including installation, configuration, and maintenance. Through hands-on labs, students will explore fault-tolerant and redundant configurations of Red Hat Enterprise Linux OpenStack Platform and look at the future plans of the OpenStack development community.

Skills Gained

- Get an overview of the Red Hat Enterprise Linux OpenStack Platform architecture
- Install Red Hat Enterprise Linux OpenStack Platform
- Manage Red Hat Enterprise Linux OpenStack Platform
- Manage users and projects
- Deploy virtual machines
- Learn about the future of Red Hat Enterprise Linux OpenStack Platform

Who Can Benefit

- Linux system administrators and cloud administrators interested in or responsible for maintaining a private cloud.
- Red Hat Certified System Administrator (RHCSA) or requisite level of knowledge is highly recommended.

Prerequisites

Red Hat Certified System Administrator (RHCSA) certification or equivalent knowledge and experience.

Course Details

Please Note

Red Hat OpenStack Administration is one of our emerging technology courses. This series of courses focuses on Red Hat's newer, evolving technologies. Emerging technology courses are feature- and functionality-focused and are conducted like guided labs. The exam is only available via Individual Exam Session.

Red Hat Enterprise Linux OpenStack Platform architecture

- Understand Red Hat® Enterprise Linux® OpenStack Platform features and terminology.

Red Hat Enterprise Linux OpenStack Platform installation

- Install Red Hat Enterprise Linux OpenStack platform using packstack.
- Use Horizon web interface manage it.

Message broker

- Install and secure the Qpid message broker service.

Identity service

- Install, configure, and use the Keystone authentication services.

Object storage service

- Install and manage the Swift object storage service.

Image service

- Install the Glance image service.
- Import system images.

Block storage service

- Install the Cinder block storage service.
- Manage Cinder volumes.

Networking service

- Install, configure, and manage Red Hat Enterprise Linux OpenStack Platform networking service.

Compute and controller services

- Install Nova compute and controller.
- Learn how to add nova compute nodes.
- Launch an instance from the command line.

Additional compute node

- Learn to add and remove additional Nova compute nodes.

Orchestration service

- Install the Heat orchestration service.

Metering service

- Install and manage the Ceilometer metering service.
- Launch a stack.

The future of Red Hat Enterprise Linux OpenStack Platform

Comprehensive review

- Review the installation and management of Red Hat Enterprise Linux OpenStack Platform.
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