Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators with Exam

Duration: 5 Days **Course Code: CL211**

Overview:

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. This course can also help you prepare for the Red Hat® Certificate of Expertise in Infrastructure-as-a-Service Exam (EX210).

This version of the course includes the Red Hat® Certificate of Expertise in Infrastructure-as-a-Service Exam (EX210). The exam tests candidates' abilities to needed to create, configure, and manage private clouds using Red Hat Enterprise Linux® OpenStack® Platform

Target Audience:

Linux system administrators and cloud administrators interested in or responsible for maintaining a private cloud

Objectives:

- 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

Prerequisites:

RHCSA or requisite level of knowledge is highly recommended.

Content:

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.

Additional Information:

Red Hat Learning Subscriptions:

The Red Hat Learning Subscription is an exclusive program that provides users with 12-months access to all Red Hat Online Learning and video classroom courses. All subscribers will receive unlimited access to online learning content, up to 400 hours of hands-on lab time and more than 300 recorded instructor videos.
There are two versions available: Basic and Standard. These are also available in an Enterprise variant for large companies. The Standard is the most extensive subscription and offers access to Red Hat exams as an extra.
For more information please see LS120 and LS220 below
https://www.globalknowledge.com/en-GB/Products/Red_Hat/LS120
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Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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