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

Duration: 4 Days **Course Code: CL210** **Delivery Method: Virtual Learning**

Overview:

Build advanced skills for performing Red Hat OpenStack Platform day 2 operations and management of hybrid cloud infrastructure
Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators (CL210) is designed for cloud operators, service administrators, and automation engineers who operate and manage a full-featured hybrid and private cloud-computing environment using Red Hat OpenStack Platform. You will learn how to manage, monitor, troubleshoot, and scale a Red Hat OpenStack Platform infrastructure.
This course focuses on using the OpenStack Client command-line user interface to configure metrics, policies, and architecture in order to support enterprise cloud applications and daily operations.
Customer organizations will find this version to be easier to install and manage while handling more diverse types of cloud and legacy workloads with an expanding portfolio of flexible resource configuration. Enhancements in the RHOSP 16 version address evolving customer requirements for enterprise cloud infrastructures: Industry-popular Ansible Automation for installation, upgrading, and patching.Open Virtual Networking (OVN), an advanced SDN framework evolved from Open vSwitch.Hyperconverged technology, combining storage and compute resources for lower latency and higher performance.
This course is based on Red Hat OpenStack version 16.1 and Red Hat Enterprise Linux version 8.2.
Note : *Starting January 1, 2026, Red Hat introduces RHLS-Course — a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.*
When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.
Your RHLS subscription includes:
• One live, instructor-led virtual session
• 12 months of self-paced learning access
• One certification exam with a free retake
Onsite Classroom-based sessions and closed course options remain unchanged.
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Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Cloud operators responsible for managing daily operations and automation. Infrastructure architects interested in or responsible for maintaining a large-scale private or hybrid cloud.

Objectives:

- After this course participants should be able to:
- Manage overcloud service containerization technology.
- Provide metrics for performance tuning and governance.
- Monitor and troubleshoot Open Virtual Networking (OVN) network flow.
- Configure Identity service using an external Red Hat IdM store.
- Manage the core control plane, including Pacemaker.
- Customize images, with techniques for multiple use cases.
- Manage block and object storage back-ends.
- Manage compute nodes, including tuning and hyperconverged.
- Troubleshoot Red Hat OpenStack Platform.

Prerequisites:

Testing and Certification

- Attend Red Hat OpenStack Administration I: Core Operations for Domain Operators (CL110), or demonstrate equivalent experience.
- Be a Red Hat Certified Engineer (RHCE), Red Hat Certified Specialist in Ansible Automation, or demonstrate equivalent experience.

For candidates that have not earned an RHCE or equivalent, confirmation of the correct skill-set knowledge can be obtained by taking Red Hat free assessment to gauge whether this offering is the best fit Red Hat Skills Assessment

- CL110 - Red Hat OpenStack Administration I: Core Operations for Domain Operators

- Red Hat Certified Specialist in Cloud Infrastructure exam (EX210)

Follow-on-Courses:

- Cloud Storage with Red Hat Ceph Storage (CL260)
- CL260 - Red Hat Ceph Storage for OpenStack
- EX210 - Red Hat Certified System Administrator in Red Hat OpenStack Exam

Content:

Navigate the Red Hat OpenStack Platform architecture

Describe the undercloud and overcloud architecture and service components.

Operate the control plane

Describe and manage the critical core services of the Red Hat OpenStack Platform control plane.

Manage infrastructure security

Protect the Red Hat OpenStack Platform infrastructure by securing service component files and endpoints.

Manage user security

Configure secure user privileges using domain-based identity management, scoped roles, and project organization.

Manage application deployment resources

Create and manage the common, shared deployment resources including custom images, flavors, and metadata services.

Manage storage

Describe and manage storage architecture and components, with an emphasis on Red Hat Ceph Storage back ends.

Manage networking

Create, manage, and troubleshoot data center and virtual network infrastructure.

Manage compute node operations

Describe the architecture and management processes for normal and hyperconverged compute nodes. Perform common operational tasks for compute nodes to support workload uptime and scaling.

Monitor Red Hat OpenStack Platform operations

Describe the monitoring framework and architecture to gather, store, and use operational metrics.

Automate cloud applications

Implement and deploy complex and scalable applications using automation technologies.

Troubleshoot operations

Describe and practice the tools and methods for diagnosing and troubleshooting issues encountered during deployment and management operations.

Comprehensive review

Review tasks from Red Hat OpenStack Platform Administration II: Day 2 Operations for Cloud Operators.

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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