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

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

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 package (course + exam) is based on Red Hat OpenStack version 16.1 and Red Hat Enterprise Linux version 8.2 and includes an exam voucher.
Note : *Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.*
If you are targeting a virtual class, please consider CL210LS the new RHLS-course subscription which includes as well an exam voucher.
Updated Jan2026

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:

- 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

Testing and Certification

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

Follow-on-Courses:

- Cloud Storage with Red Hat Ceph Storage (CL260)

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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