

CL211

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

Course description

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 with exam (CL2110) 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.

This course is based on Red Hat OpenStack version 16.1, and Red Hat Enterprise Linux version 8.2. The [Red Hat Certified Specialist in Cloud Infrastructure exam \(EX210\)](#) is included in this offering.

Prerequisites for this course

- Participants are recommended to be a [Red Hat Certified Engineer \(RHCE\)](#), [Red Hat Certified Specialist in Ansible Automation](#), or have equivalent experience.
- For candidates that have not earned an RHCE or equivalent, confirmation of the correct skill-set knowledge can be obtained by [taking our free assessment](#) to gauge whether this offering is the best fit for your skills.
- Successful completion of [Red Hat OpenStack Administration I: Core Operations for Domain Operators \(CL110\)](#) or equivalent experience

Outline for this course

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.