

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

Duration: 5 Days   Course Code: CL211   Delivery Method: Company Event

### 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

### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

### 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 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.
- 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.

### 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.

### Testing and Certification

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

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](#)

## Follow-on-Courses:

Cloud Storage with Red Hat Ceph Storage (CL260)

## Content:

Navigate the Red Hat OpenStack Platform architecture	Manage application deployment resources	Monitor Red Hat OpenStack Platform operations
Describe the undercloud and overcloud architecture and service components.	Create and manage the common, shared deployment resources including custom images, flavors, and metadata services.	Describe the monitoring framework and architecture to gather, store, and use operational metrics.
Operate the control plane	Manage storage	Automate cloud applications
Describe and manage the critical core services of the Red Hat OpenStack Platform control plane.	Describe and manage storage architecture and components, with an emphasis on Red Hat Ceph Storage back ends.	Implement and deploy complex and scalable applications using automation technologies.
Manage infrastructure security	Manage networking	Troubleshoot operations
Protect the Red Hat OpenStack Platform infrastructure by securing service component files and endpoints.	Create, manage, and troubleshoot data center and virtual network infrastructure.	Describe and practice the tools and methods for diagnosing and troubleshooting issues encountered during deployment and management operations.
Manage user security	Manage compute node operations	Comprehensive review
Configure secure user privileges using domain-based identity management, scoped roles, and project organization.	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.	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 00 971 4 446 4987

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