

Red Hat OpenStack Administration II Day 2 Operations for Cloud Operators

Why Learn OpenStack Administration?

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.

Audience Profile :

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

Prerequisites:

- 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 our free assessment to gauge whether this offering is the best fit for your skills.
- Attend Red Hat OpenStack Administration I: Core Operations for Domain Operators (CL110), or demonstrate equivalent experience.



Course Overview:

- 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.

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

- 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.

Training Solutions:

- ✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.
- ✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

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