



RED HAT TRAINING

Red Hat Openstack Administration II Day 2 Operations Cloud Operators Exam CL211

Master Red Hat OpenStack's Day 2 operations, troubleshoot issues, and prepare for your CL211 exam to excel as a cloud operator.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Red Hat OpenStack Administration II (CL211) course at Computer Pride is meticulously designed for IT professionals aiming to master the critical "Day 2 Operations" of a production Red Hat OpenStack Platform deployment. It delves deep into the practical skills required by cloud operators, focusing on the ongoing management, monitoring, troubleshooting, and maintenance of an OpenStack cloud. Participants will gain hands-on experience with core OpenStack services like Nova, Neutron, Cinder, Glance, and Keystone, learning to ensure optimal performance, security, and availability of cloud resources in an enterprise environment.

Throughout this intensive program, you will explore advanced topics such as managing user access and quotas, monitoring system health with OpenStack tools, diagnosing and resolving common issues across compute, network, and storage components, and performing routine administrative tasks like backups and service restarts. By completing this course, you will not only be equipped with the expertise to efficiently operate and maintain a robust Red Hat OpenStack environment but also be thoroughly prepared for the Red Hat Certified Cloud Operator (EX211) exam, significantly enhancing your value in the rapidly expanding cloud computing landscape. This certification validates your ability to deploy and manage a Red Hat OpenStack cloud, opening doors to advanced career opportunities in cloud infrastructure management.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 OpenStack Day 2 Operations Overview

- Review of Red Hat OpenStack Platform architecture
- Understanding operational responsibilities of a cloud operator
- Navigating the OpenStack dashboard and command-line interfaces
- Introduction to OpenStack services for operations

02 Identity, Access, and Resource Management

- Managing users, projects, roles, and domains with Keystone
- Configuring quotas and security groups for instances
- Administering images (Glance) and volumes (Cinder) operations
- Managing network resources with Neutron

03 Monitoring and Logging for Cloud Operations

- Implementing OpenStack monitoring with Ceilometer and Gnocchi
- Analyzing system and service logs for diagnostics
- Introduction to external monitoring tools integration (e.g., Grafana)
- Configuring notification services within OpenStack

04 Troubleshooting OpenStack Core Services

- Diagnosing compute (Nova) service issues and instance failures
- Troubleshooting networking (Neutron) problems and connectivity
- Resolving storage (Cinder, Glance) related failures and data access issues
- Identifying and resolving authentication (Keystone) errors

- Log analysis techniques for various OpenStack components

05 Routine Maintenance and Service Management

- Performing backups and recovery strategies for OpenStack components
- Managing OpenStack service states and dependencies
- Applying patches and minor updates to the OpenStack platform
- Understanding high availability concepts for OpenStack services
- Managing service restarts and graceful shutdowns

06 Advanced Cloud Operations and Optimization

- Automating routine tasks using OpenStack APIs and scripting
- Performance tuning considerations for OpenStack environments
- Introduction to scaling OpenStack resources (horizontal and vertical)
- Security best practices for OpenStack Day 2 operations
- Understanding disaster recovery principles in OpenStack

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Red Hat Certified Cloud Operator**
- > **OpenStack Infrastructure Engineer**
- > **Cloud Platform Administrator**

FREQUENTLY ASKED QUESTIONS

Q: What specific troubleshooting scenarios will I be able to handle after completing this Red Hat OpenStack Administration II course?

This course focuses heavily on practical troubleshooting, enabling you to diagnose and resolve common issues related to virtual machine provisioning failures, network connectivity problems between instances, storage volume attachment errors, and identity service authentication issues. You'll learn to interpret logs, use OpenStack diagnostic tools, and systematically approach problem-solving in a live OpenStack environment, crucial skills for maintaining system uptime and operational efficiency.

Q: Is prior experience with OpenStack or a specific Red Hat certification a prerequisite for enrolling in this CL211 course?

Yes, it is highly recommended that participants have prior experience equivalent to completing Red Hat OpenStack Administration I (CL110) or possess a Red Hat Certified System Administrator (RHCSA) certification along with hands-on experience managing an OpenStack environment. This course builds upon foundational OpenStack knowledge, diving deeper into operational aspects, so a solid understanding of basic OpenStack components and concepts is essential for success.

Q: How does achieving the Red Hat Certified Cloud Operator (EX211) certification, for which this course prepares me, benefit my career in the Kenyan IT market?

In Kenya's evolving IT landscape, demand for professionals skilled in managing enterprise-grade cloud platforms like Red Hat OpenStack is growing rapidly, particularly in sectors adopting private and hybrid cloud solutions. Earning the Red Hat

Certified Cloud Operator certification validates your ability to deploy, manage, and troubleshoot OpenStack environments effectively, making you a highly sought-after expert for roles in cloud administration, infrastructure engineering, and DevOps. This certification significantly enhances your professional credibility and opens pathways to advanced cloud career opportunities within Kenya and beyond.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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