RED HAT OPENSTACK ADMINISTRATION I: CORE OPERATIONS FOR DOMAIN OPERATORS (CL110)

Course Code: 4696

Red Hat OpenStack Administration I (CL110) is designed for system administrators who are intending to implement a cloud computing environment using Red Hat OpenStack® Platform.

Designed for system administrators intending to implement a cloud computing environment using Red Enterprise Linux OpenStack Platform (RHEL-OSP), this course helps you discover how to install a proof-of-concept, configure, use, and maintain RHEL-OSP. Additionally, you will learn about these core services: identity (Keystone), block storage (Cinder), image (Glance), networking (Neutron), compute and controller (Nova), and dashboard (Horizon).

Red Hat Learning Subscription COURSE – Included with Your Purchase

Starting January 1, 2026, Red Hat introduces RHLS-Course —a flexible subscription model now included with this catalog offering. This replaces the previous direct virtual class enrollment from Global Knowledge.

When you purchase this item, you'll receive an RHLS subscription at the course level, giving you the freedom to choose the schedule that works best and self-enroll in your selected class.

Your RHLS subscription includes:

- One live, instructor-led virtual session
- 12 months of self-paced learning access
- One certification exam with a free retake

Onsite Classroom-based sessions and closed course options remain unchanged.

What You'll Learn

This course will teach students to install a proof-of-concept and configure, use, and maintain Red Hat OpenStack Platform. The focus of this course will be managing OpenStack using the Horizon dashboard and the command-line interface and managing instances.

Course content summary

- Launch an instance
- Manage projects, quotas, and users
- Manage networks, subnets, routers, and floating IP addresses
- Create and manage block and object storage in the Openstack framework
- Customize instances with cloud-init
- Deploy scalable stacks
- Deploy Red Hat OpenStack Platform using PackStack

To help prepare students for the Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210) and Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210K), the following competencies are covered in this course:

- Install and configure Red Hat OpenStack Platform (using PackStack)
- Manage users, projects, flavors, roles, images, networking, and block storage
- Set quotas
- Configure images at instantiation

To learn more competencies to pass the Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210, EX210K), take the next step in the OpenStack training path with Red Hat OpenStack Ad

Who Needs to Attend

Linux system administrators and cloud administrators interested in, or responsible for, maintaining a private cloud

Prerequisites

[Red Hat Certified System Administrator (RHCSA®) in Red Hat Enterprise Linux® certification](#) or equivalent experience

RED HAT OPENSTACK ADMINISTRATION I: CORE OPERATIONS FOR DOMAIN OPERATORS (CL110)

Course Code: 4696

CLASSROOM LIVE	$5,720 CAD	5 Day

Classroom Live Outline

1. **Course introduction**
   Introduce and review the course
2. **Launch an instance**
   Launch an instance and describe the OpenStack architecture and use cases
3. **Organize people and resources**
   Manage projects,users, roles, and quotas
4. **Describe cloud computing**
   Describe the changes in technology and processes for cloud computing
5. **Manage Linux networks**
   Manage Linux networks and bridges
6. **Prepare and deploy an internal instance**
   Manage images, flavors, and private networks in preparation for launching an internal instance and launch and verify an internal instance
7. **Manage block storage**
   Manage ephemeral and persistent block storage
8. **Manage object storage**
   Manage object storage
9. **Prepare and deploy an external instance**
   Manage external networks and security in preparation for launching an external instance and launch and verify an external instance
10. **Customize instances**
    Customize an instance with cloud-init
11. **Deploying scalable stacks**
    Deploy a stack and configure autoscaling
12. **Install OpenStack**

Install an OpenStack proof of concept using Packstack

13. **Comprehensive review of Red Hat OpenStack Administration I**
    Review tasks in the Red Hat OpenStack Administration I course.

RED HAT OPENSTACK ADMINISTRATION I: CORE OPERATIONS FOR DOMAIN OPERATORS (CL110)

Course Code: 4696

VIRTUAL CLASSROOM LIVE	$5,720 CAD	1 Session

Virtual Classroom Live Outline

1. Course Introduction

2. Launching an Instance

- Launch an instance and describe the terminology and services used in OpenStack

3. Managing Projects and Users

- Manage projects and users using Horizon

4. Managing Project Quotas

- Manage project quotas using Horizon

5. Managing Flavors

- Manage flavors using Horizon

6. Managing Images

- Manage images using Horizon

7. Managing Networks

- Manage networks using Horizon

8. Managing Floating IP Addresses

- Manage networks using Horizon

9. Managing Block Storage

- Manage block storage using Horizon

10. Managing Security and Access

- Manage security and access to instances using Horizon

11. Managing Instances with Horizon

- Manage instances using Horizon

12. Installing OpenStack

- Install an OpenStack proof of concept using PackStack

13. Managing the Keystone Identity Service

- Manage the Keystone identity service using the command-line interface

14. Preparing to Launch Instances with the Command-line Interface

- Prepare to launch instances and manage instances using the command-line interface

15. Managing Instances with the Command-line Interface

- Manage instances using the command-line interface

16. Managing Block Storage with the Command-line Interface

- Manage block storage using the command-line interface

17. Comprehensive Review of Red Hat OpenStack Administration I

- Review tasks in the Red Hat OpenStack Administration I course

Apr 20 - 24, 2026 | 10:30 AM - 6:30 PM EDT

RED HAT OPENSTACK ADMINISTRATION I: CORE OPERATIONS FOR DOMAIN OPERATORS (CL110)

Course Code: 4696

ON-DEMAND	$5,720 CAD

On-Demand Outline

1. **Course introduction**
   Introduce and review the course
2. **Launch an instance**
   Launch an instance and describe the OpenStack architecture and use cases
3. **Organize people and resources**
   Manage projects,users, roles, and quotas
4. **Describe cloud computing**
   Describe the changes in technology and processes for cloud computing
5. **Manage Linux networks**
   Manage Linux networks and bridges
6. **Prepare and deploy an internal instance**
   Manage images, flavors, and private networks in preparation for launching an internal instance and launch and verify an internal instance
7. **Manage block storage**
   Manage ephemeral and persistent block storage
8. **Manage object storage**
   Manage object storage
9. **Prepare and deploy an external instance**
   Manage external networks and security in preparation for launching an external instance and launch and verify an external instance
10. **Customize instances**
    Customize an instance with cloud-init
11. **Deploying scalable stacks**
    Deploy a stack and configure autoscaling
12. **Install OpenStack**

Install an OpenStack proof of concept using Packstack

13. **Comprehensive review of Red Hat OpenStack Administration I**
Review tasks in the Red Hat OpenStack Administration I course.

RED HAT OPENSTACK ADMINISTRATION I: CORE OPERATIONS FOR DOMAIN OPERATORS (CL110)

Course Code: 4696

PRIVATE GROUP TRAINING	5 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.