# Red Hat OpenStack Administration I: Core Operations for Cloud Administrators (CL110)

**ID** RH-CL110  **Price** US$ 3,400  **Duration** 5 days

## Who should attend

Linux System Administrators and Cloud Administrators who are responsible for maintaining a private cloud.

## Prerequisites

Red Hat Certified System Administrator (RHCSA) in Red Hat Enterprise Linux certification or equivalent experience.

## Course Objectives

- Launch and customize instances in a private OpenStack cloud
- Manage core OpenStack services for compute, network, and storage using the Horizon web interface
- Install a proof-of-concept OpenStack deployment
- Manage key OpenStack services using the command-line interface

## Detailed Course Outline

- Module 1: Launching an Instance
- Module 2: Projects and Users
- Module 3: Project Quotas
- Module 4: Managing Flavors
- Module 5: Images
- Module 6: Managing Networks
- Module 7: Floating IP Addresses
- Module 8: Block Storage
- Module 9: Security and Access
- Module 10: Administering Instances with Horizon
- Module 11: Installing OpenStack
- Module 12: Managing the Keystone Identity Service
- Module 13: Preparing to Launch Instances with the Command-line Interface
- Module 14: Managing Instances with the Command-line Interface
- Module 15: Managing Block Storage with the Command-line Interface
- Module 16: Comprehensive Review

This hands-on course is designed for System Administrators who are implementing a cloud computing environment using Red Enterprise Linux OpenStack Platform (RHEL-OSP). You will learn how to install a proof-of-concept, configure, use, and maintain RHEL-OSP. This course covers the core services: identity (Keystone), block storage (Cinder), image (Glance), networking (Neutron), compute and controller (Nova), and dashboard (Horizon). Each module ends with a hands-on lab exercise.