

RED HAT OPENSTACK ADMINISTRATION II (CL210)

Install, configure, and maintain a cloud-computing environment using Red Hat OpenStack Platform

DATASHEET

RED HAT[®] TRAINING + CERTIFICATION

COURSE CONTENT SUMMARY:

- Launch instances.
- Manage core OpenStack services using the unified command-line interface.
- Install an advanced proof-of-concept OpenStack deployment.
- Build a customized JEOS image.
- Automatically scale out and scale back applications.

This course teaches system administrators how to implement a cloud-computing environment using Red Hat[®] OpenStack[®] Platform 8 including installation, configuration, and maintenance. This course can also help you prepare for the Red Hat Certified System Administrator (RHCSA[®]) in Red Hat OpenStack exam (EX210).

This course begins the transition from administering OpenStack using Horizon to using the unified command-line interface. Exam competencies covered in the course include: installing and configuring Red Hat OpenStack Platform (using OpenStack director); managing users, projects, flavors, roles, images, networking, and block storage; scaling out and scaling back automation; and building a customized image.

AUDIENCE

Linux system administrators, cloud administrators, and cloud operators

PREREQUISITES FOR THIS COURSE

- Have taken Red Hat OpenStack Administration I (CL110) course or have equivalent experience
- Earned a Red Hat Certified System Administrator in Red Hat Enterprise Linux[®] certification or equivalent experience

COURSE OUTLINE

COURSE INTRODUCTION

Introduce and review the course.

INSTALL THE OPENSTACK OVERCLOUD

Install overcloud in an OpenStack deployment.

KEYSTONE IDENTITY SERVICE

Install, configure, and use the Keystone authentication services.

MANAGE FLAVORS

Manage hardware profiles.

MANAGE NETWORKS

Manage OpenStack networks.

MANAGE FLOATING IP ADDRESSES

Manage floating IP addresses.

MANAGE SECURITY GROUPS

Manage OpenStack security groups and security rules.

MANAGE INSTANCES

Manage instances.



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ADD ADDITIONAL COMPUTE NODES

Add additional compute nodes to OpenStack.

BUILD A CUSTOMIZED IMAGE

Build and customize an operating system image.

DEPLOY RED HAT OPENSTACK PLATFORM DIRECTOR

Deploy Red Hat OpenStack Platform director (undercloud).

DEPLOY SCALABLE APPLICATIONS

Deploy stacks (applications) that provide scale-out and scale-back capabilities.

COMPREHENSIVE REVIEW

Review tasks in the Red Hat OpenStack Platform II course.

AFTER THIS COURSE

[Red Hat Certified System Administrator in Red Hat OpenStack exam \(EX210\)](#)

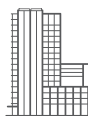
Demonstrate your ability to build and manage private clouds using Red Hat OpenStack Platform.

[Red Hat OpenStack Administration III \(CL310\)](#)

Learn to deploy, manage, and configure Red Hat Ceph Storage and Red Hat OpenStack Platform.

[Red Hat OpenStack Administration III with exam \(CL311\)](#)

Learn to deploy, manage, and configure Red Hat Ceph Storage and Red Hat OpenStack Platform and demonstrate your skills and knowledge to become a Red Hat Certified Engineer (RHCE®) in Red Hat OpenStack.

**ABOUT RED HAT**

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.



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