

## RED HAT OPENSTACK ADMINISTRATION II (CL210)

CL210 course is run on RHEL 7 platform. We use Red hat Open stack 8.0 (Open stack Liberty) to demonstrate IAAS. Cloud Computing is predicted to be the area in Information technology where majority of the placement opportunities are going to emerge. As more and more players start using cloud for their various requirements opportunities are sure to shoot. Open Source based cloud will be in high demand, even in times of economic slowdowns as companies could make huge savings in their infrastructure, software as well as platform areas.

Red Hat OpenStack Administration II (CL210) teaches system administrators how to implement a cloud-computing environment using Red Hat OpenStack Platform, including installation, configuration, and maintenance. This course can also help your prepare for the Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210).

### Course Outline:

#### **Unit 1. COURSE INTRODUCTION**

Introduce and review the course.

#### **Unit 2. INSTALL THE OPENSTACK OVERCLOUD**

Install overcloud in an OpenStack deployment.

#### **Unit 3. KEYSTONE IDENTITY SERVICE**

Install, configure, and use the Keystone authentication services.

#### **Unit 4. MANAGE FLAVORS**

Manage hardware profiles.

#### **Unit 5. MANAGE NETWORKS**

Manage OpenStack networks.

#### **Unit 6. MANAGE FLOATING IP ADDRESSES**

Manage floating IP addresses.

#### **Unit 7. MANAGE SECURITY GROUPS**

Manage OpenStack security groups and security rules.

#### **Unit 8. MANAGE INSTANCES**

Manage instances.

#### **Unit 9. ADD ADDITIONAL COMPUTE NODES**

Add additional compute nodes to OpenStack.

#### **Unit 10. BUILD A CUSTOMIZED IMAGE**

Build and customize an operating system image.

#### **Unit 11. DEPLOY RED HAT OPENSTACK PLATFORM DIRECTOR**

Deploy Red Hat OpenStack Platform director (undercloud).

#### **Unit 12. DEPLOY SCALABLE APPLICATIONS**

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

#### **Unit 13. COMPREHENSIVE REVIEW**

Review tasks in the Red Hat OpenStack Platform II course.

