



## Red Hat Certified Systems Administrator (RHCSA) in OpenStack

### CL110: Red Hat OpenStack Administration I

#### *Outline for this course:*

- Course introduction
  - Introduce and review the course.
- Launch an instance
  - Launch an instance and describe the terminology and services used in OpenStack.
- Manage projects and users
  - Manage projects and users using Horizon.
- Manage project quotas
  - Manage project quotas using Horizon.
- Manage flavors
  - Manage flavors using Horizon.
- Manage images
  - Manage images using Horizon.
- Manage networks
  - Manage networks using Horizon.
- Manage floating IP addresses
  - Manage floating IP addresses using Horizon.
- Manage block storage
  - Manage block storage using Horizon.
- Manage security and access
  - Manage security and access to instances using Horizon.
- Manage instances
  - Manage instances using Horizon.
- Install OpenStack
  - Install an OpenStack proof of concept using PackStack.
- Manage the Keystone identity service
  - Manage the Keystone identity service using the command-line interface.
- Prepare to launch instances with the command-line interface
  - Prepare to launch instances and manage instances using the command-line interface.
- Manage instances with the command-line interface
  - Manage instances using the command-line interface.
- Manage block storage with the command-line interface
  - Manage block storage using the command-line interface.
- Comprehensive review of Red Hat OpenStack Administration I
  - Review tasks in the Red Hat OpenStack Administration I course.
- **Note:** Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, contact one of our training specialists.

## CL210: Red Hat OpenStack Administration II

### **Outline for this course:**

- Course introduction
  - Introduce and review the course.
- 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.
  
- 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
  - Deploy Red Hat OpenStack Platform.
- Deploy scalable applications
  - Deploy stacks (applications) that provide scale out/scale back capabilities.
- Comprehensive review
  - Review Red Hat OpenStack Platform II.