

# RED HAT OPENSTACK ADMINISTRATION I (CL110)

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. This course will teach students to install a proof-of-concept as well as configure, use, and maintain Red Hat OpenStack Platform. This course covers the following core services: identity (Keystone), block storage (Cinder), image (Glance), networking (Neutron), compute and controller (Nova), and dashboard (Horizon).

## COURSE OUTLINE

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

Introduce and review the course.

### **Unit 2. LAUNCH AN INSTANCE**

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

### **Unit 3. MANAGE PROJECTS AND USERS**

Manage projects and users using Horizon.

### **Unit 4. MANAGE PROJECT QUOTAS**

Manage project quotas using Horizon.

### **Unit 5. MANAGE FLAVORS**

Manage flavors using Horizon.

### **Unit 6. MANAGE IMAGES**

Manage images using Horizon.

### **Unit 7. MANAGE NETWORKS**

Manage networks using Horizon.

### **Unit 8. MANAGE FLOATING IP ADDRESSES**

Manage floating IP addresses using Horizon.

### **Unit 9. MANAGE BLOCK STORAGE**

Manage block storage using Horizon.

### **Unit 10. MANAGE SECURITY AND ACCESS**

Manage security and access to instances using Horizon.

### **Unit 11. MANAGE INSTANCES**

Manage instances using Horizon.

### **Unit 12. INSTALL OPENSTACK**

Install an OpenStack proof of concept using PackStack.

### **Unit 13. MANAGE THE KEYSTONE IDENTITY SERVICE**

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

### **Unit 14. PREPARE TO LAUNCH INSTANCES WITH THE COMMAND-LINE INTERFACE**

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

### **Unit 15. MANAGE INSTANCES WITH THE COMMAND-LINE INTERFACE**

Manage instances using the command-line interface.

### **Unit 16. MANAGE BLOCK STORAGE WITH THE COMMAND-LINE INTERFACE**

Manage block storage using the command-line interface.

### **Unit 17. COMPREHENSIVE REVIEW OF RED HAT OPENSTACK ADMINISTRATION I**

Review tasks in the Red Hat OpenStack Administration I course.

