**RHCSA OPENSTACK**

**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**

**Unit 2. Launch an Instance**

**Unit 3. Manage Projects & Users**

**Unit 4. Manage Projects & Quotas**

**Unit 5. Manage Flavors**

**Unit 6. Manage Images**

**Unit 7. Manage Networks**

**Unit 8. Manage Floating IP Addressees**

**Unit 9. Manage Block Storage**

**Unit 10. Manage Security and access**

**Unit 11. Manage Instances**

**Unit 12. Install Openstack**

**Unit 13. Manage the Keystone Identity Service**

**Unit 14. Prepare to Launch Instances with the Command-Line Interface**

**Unit 15. Manage Instances with the command-line Interface**

**Unit 16. Manage Block Storage With The Command-Line Interface**

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

**RED HAT OPENSTACK ADMINISTRATION II (CL210)**

Red Hat OpenStack Administration II (CL110) 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.

**Course Outline:**

**Unit 1. COURSE INTRODUCTION**

**Unit 2. INSTALL THE OPENSTACK OVERCLOUD**

**Unit 3. KEYSTONE IDENTITY SERVICE**

**Unit 4. MANAGE FLAVORS**

**Unit 5. MANAGE NETWORKS**

**Unit 6. MANAGE FLOATING IP ADDRESSES**

**Unit 7. MANAGE SECURITY GROUPS**

**Unit 8. MANAGE INSTANCES**

**Unit 9. ADD ADDITIONAL COMPUTE NODES**

**Unit 10. BUILD A CUSTOMIZED IMAGE**

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

**Unit 12. DEPLOY SCALABLE APPLICATIONS**

**Unit 13. COMPREHENSIVE REVIEW**

**COURSE BENIFITS**

This course is intended to develop the skills needed to troubleshoot and manage the life cycle of a private cloud. Control of the life cycle is important for organizations seeking to manage costs according to their own schedule, and having advanced administrators reduces downtime.

As a result of attending this course, students should be able to manage the life cycle of Red Hat OpenStack Platform.

### COURSE DETAILS

 **●** CL110 **- Red Hat Open Stack Administration**

Regular Track: Course Duration: 3 days (6 Hrs. /Day)

**●** CL210 **- Red Hat Open Stack Administration**

Regular Track: Course Duration: 3 days (6 Hrs. /Day)

**AUDIENCE & PREREQUISITES**

Linux system administrators and cloud administrators interested in, or responsible for, maintaining a private cloud.

Red Hat Certified System Administrator (RHCSA in Red Hat Enterprise Linux certification

or equivalent experience.

**DELIVERY OPTIONS**

New Wings IT Solutions offers a method of training that is convenient to you - classroom, online, or at your site.