

## CL210 Syllabus

CL210 course is run on RHEL 7 platform. We use Red hat Open stack 6.0 (Open stack Juno) to demonstrate IAAS.

### **Red Hat Enterprise Linux Open Stack Platform architecture**

Understand Red Hat Enterprise Linux OpenStack Platform features and terminology.

Red Hat Enterprise Linux OpenStack Platform installation

Install Red Hat Enterprise Linux OpenStack platform using packstack.

Use Horizon web interface manage it.

### **Message broker**

Install and secure the Qpid message broker service.

### **Identity service**

Install, configure, and use the Keystone authentication services.

### **Object storage service**

Install and manage the Swift object storage service.

### **Image service**

Install the Glance image service.

Import system images.

### **Block storage service**

Install the Cinder block storage service.

Manage Cinder volumes.

## **Networking service**

Install, configure, and manage Red Hat Enterprise Linux OpenStack Platform networking service.

## **Compute and controller services**

Install Nova compute and controller.

Learn how to add nova compute nodes.

Launch an instance from the command line.

## **Additional compute node**

Learn to add and remove additional Nova compute nodes.

## **Orchestration service**

Install the Heat orchestration service.

## **Metering service**

Install and manage the Ceilometer metering service.

Launch a stack.

## **The future of Red Hat Enterprise Linux Open Stack Platform**

## **Comprehensive review**

Review the installation and management of Red Hat Enterprise Linux Open Stack Platform.