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## Red Hat OpenStack Administration II with Expertise Exam (EX210)

**Duration: 5 Days**    **Course Code: CL211**    **Delivery Method: Virtual Learning**

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### Overview:

This course teaches system administrators how to implement a cloud computing environment using Red Hat® Enterprise Linux® OpenStack Platform, including installation, configuration, and maintenance. Through hands-on labs, students will explore fault-tolerant and redundant configurations of Red Hat Enterprise Linux OpenStack Platform and look at the future plans of the OpenStack development community. This course can also help you prepare for the Red Hat® Certificate of Expertise in Infrastructure-as-a-Service Exam (EX210).

This version of the course includes the Red Hat® Certificate of Expertise in Infrastructure-as-a-Service Exam (EX210). The exam tests candidates' abilities to needed to create, configure, and manage private clouds using Red Hat Enterprise Linux® OpenStack® Platform

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

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

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### Objectives:

- Get an overview of the Red Hat Enterprise Linux OpenStack Platform architecture
  - Install Red Hat Enterprise Linux OpenStack Platform
  - Manage Red Hat Enterprise Linux OpenStack Platform
  - Manage users and projects
  - Deploy virtual machines
  - Learn about the future of Red Hat Enterprise Linux OpenStack Platform
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### Prerequisites:

RHCSA or requisite level of knowledge is highly recommended.

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## Content:

### Red Hat Enterprise Linux OpenStack 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 OpenStack Platform Comprehensive review

- Review the installation and management of Red Hat Enterprise Linux OpenStack Platform.

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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