

CL210

Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators

- **Navigate the Red Hat OpenStack Platform architecture**
Describe the classroom environment, support systems, functions of the undercloud components, and more.
- **Describe the OpenStack control plane**
Identify the shared services running on a controller node and describe service endpoint configuration and security.
- **Integrate identity management**
Describe the installation and architecture of a Red Hat Identity Management back end for the OpenStack identity service.
- **Perform image operations**
Build an image using diskimage-builder and customize launched instances during deployment using cloud-init.
- **Manage storage**

Explain persistent storage options for use in OpenStack, focusing on the expanding capabilities of the default Red Hat® Ceph Storage.

- **Manage OpenStack networking**

Explain the different network types available to the OpenStack networking service and improve network performance with Open Virtual Network.

- **Manage compute resources**

Perform common compute node administration tasks, including live migration, evacuation, and enabling and disabling compute nodes.

- **Automate cloud applications**

Explain the orchestration architecture required to deploy application stacks and write templates using the Heat Orchestration Template (HOT) language.

- **Troubleshoot OpenStack operations**

Discuss recommended diagnostic and troubleshooting tools and techniques.

- **Comprehensive review**

Build a custom image and launch an instance using the custom image.