



## CL210 - Red Hat OpenStack Administration II: Infrastructure Configuration for Cloud Administrators

- **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.