



## CL110 - Red Hat OpenStack Administration I: Core Operations for Cloud Operators

- **Introduce launching an instance**
  - Launch an instance and describe the OpenStack architecture and use cases.
- **Organize people and resources**
  - Manage projects, users, roles, and quotas.
- **Describe cloud computing**
  - Describe the changes in technology and processes for cloud computing.
- **Manage Linux networks**
  - Administer Linux networks and bridges.
- **Prepare to deploy an instance with public access**
  - Manage images, flavors, and private networks in preparation for launching an instance.
- **Deploy an instance**
  - Launch and verify an instance.
- **Manage block storage**
  - Manage ephemeral and persistent block storage.
- **Manage object storage**
  - Administer object storage.
- **Prepare to deploy an external instance**
  - Manage external networks and security in preparation for launching an instance with public access.
- **Deploy an instance with public access**
  - Launch and verify an instance with public access.
- **Customize instances**



- Customize an instance with cloud-init.
- **Deploy scalable stacks**
  - Deploy a stack and configure autoscaling.
- **Install an OpenStack overcloud**
  - Install an OpenStack proof of concept using the director UI and provisioning service templates.
- **Lab: Comprehensive review of CL110**
  - Review tasks in the Red Hat OpenStack Administration I: Core Operations for Cloud Operators course.

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