

Red Hat OpenStack Administration I: Core Operations for Cloud Operators

Course Outline

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.