

Red Hat OpenStack Administration

Description

Red Hat OpenStack Administration is designed for system administrators who are intending to implement a cloud computing environment using OpenStack. You will learn how to configure, use, and maintain Red Hat® OpenStack Platform.

The focus of Red Hat OpenStack Administration will be managing OpenStack using both the web-based dashboard and the command-line interface, in addition to managing instances and installing a proof-of-concept environment using Red Hat OpenStack Platform (RHOSP) director. Essential skills covered in the course include configuring Red Hat OpenStack Platform (using the director UI); managing users, projects, flavors, roles, images, networking, and block storage; setting quotas; and configuring images at instantiation.

Delegates will learn how to

- Launch an instance.
- Manage projects, quotas, and users.
- Manage networks, subnets, routers, and floating IP addresses.
- Create and manage block and object storage in the OpenStack framework.
- Customize instances with cloud-init.
- Deploy scalable stacks.
- Deploy Red Hat OpenStack Platform using RHOSP director.

Outline

Introduce launching an instance

Organize people and resources

Describe cloud computing

Manage Linux networks

Prepare to deploy an instance with public access

Deploy an instance

Manage block storage

Manage object storage

Prepare to deploy an external instance

Deploy an instance with public access

Customize instances

Deploy scalable stacks

Install an OpenStack overcloud

Prerequisites

- Become a Red Hat Certified System Administrator (RHCSA) or demonstrate equivalent experience