Red Hat OpenStack Administration I: Core Operations for Domain Operators («CL110»)

Learn how to install, configure, use, and maintain Red Hat OpenStack Platform.

Duration: 5 days
Price: 3'150.–
Vendor code: CL110

Content

This course will teach students to install a proof-of-concept and configure, use, and maintain Red Hat OpenStack Platform. The focus on this course will be managing OpenStack using the Horizon dashboard and the command-line interface and managing instances.

- **Course introduction**
  - Introduce and review the course.
- **?Launch 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**
  - Manage Linux networks and bridges.
- **Prepare and deploy an internal instance**
  - Manage images, flavors, and private networks in preparation for launching an internal instance and launch and verify an internal instance.
- **Manage block storage**
  - Manage ephemeral and persistent block storage.
- **Manage object storage**
  - **?** Manage object storage.
- **Prepare and deploy an external instance**
  - Manage external networks and security in preparation for launching an external instance and launch and verify an external instance.
- **Customize instances**
  - Customize an instance with cloud-init.
- **Deploying scalable stacks**
  - Deploy a stack and configure autoscaling.
- **Install OpenStack**
  - Install an OpenStack proof of concept using Packstack.
- **Comprehensive review of Red Hat OpenStack Administration I**
  - Review tasks in the Red Hat OpenStack Administration I course.

Key Learnings

- 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 PackStack
- Install and configure Red Hat OpenStack Platform (using PackStack)
- Manage users, projects, flavors, roles, images, networking, and block storage
- Set quotas
- Configure images at instantiation

Target audience

Red Hat OpenStack Administration I (CL110) is designed for system administrators who are intending to implement a cloud computing environment using Red Hat OpenStack® Platform.

Further courses

- Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators («CL210»)
- Red Hat Certified System Administrator in Red Hat OpenStack («EX210»)
- Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators with exam («CL211»)

Any questions?

We are happy to advise you on +41 44 447 21 21 or info@digicomp.ch. You can find detailed information about dates on www.digicomp.ch/courses-it-provider/red-hat/red-hat-open-stack/course-red-hat-openstack-administration-i-core-operations-for-domain-operators-cl110