

# Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators («C210VC»)

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

Price: 2'800.–

## Content

The focus of this course is managing Red Hat OpenStack Platform using the unified command-line interface, managing instances, and maintaining an enterprise deployment of OpenStack. This course also teaches the management and customization of an enterprise deployment of OpenStack (overcloud) and how to manage compute nodes with Red Hat OpenStack Platform director (undercloud).

- **Course introduction**
  - Introduce and review the course
- **Manage an enterprise OpenStack deployment**
  - Manage the undercloud, the overcloud, and related services
- **Manage internal OpenStack communication**
  - Administer the Keystone identity service and the advanced message queueing protocol (AMQP) messaging service
- **Build and customize images**
  - Build and customize images
- **Manage storage**
  - Manage Ceph and Swift storage for OpenStack
- **Manage resilient compute resources**
  - Add compute nodes, manage shared storage, and perform live instance migration
- **Manage and troubleshoot**
  - Manage and troubleshoot virtual network infrastructure
- **Manage resilient compute resources**
  - Add compute nodes, manage shared storage, and perform live instance migration
- **Troubleshoot OpenStack issues**
  - Diagnose and troubleshoot OpenStack issues and services
- **Monitor cloud metrics for autoscaling**
  - Monitor and analyze cloud metrics for use in orchestration autoscaling
- **Orchestrate deployments**
  - Deploy Heat Stacks that automatically scale

## Key Learnings

- Expanding compute nodes on Red Hat OpenStack Platform using the undercloud.
- Managing images, networking, and block storage.
- Providing orchestration and auto-scaling (scale-out and scale-back).
- Building a customized image.
- Build and customize an image
- Write a Heat template
- Diagnose and troubleshoot OpenStack issues holistically
- Manage Ceph storage in an OpenStack environment
- Scale compute nodes
- Migrate instances
- Scale stacks automatically

## Target audience



This course is designed for Linux<sup>®</sup> system administrators, cloud administrators, and cloud operators.

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-digital-transformation-technologies/cloud/course-red-hat-openstack-administration-ii-day-2-operations-for-cloud-operators](https://www.digicomp.ch/courses-digital-transformation-technologies/cloud/course-red-hat-openstack-administration-ii-day-2-operations-for-cloud-operators)