



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Red Hat OpenStack Administration III with Exam

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
REH_CL311	40 Hours (5 Jours)	€3,182.00

## Description

The Red Hat OpenStack Administration III (CL310) course provides extensive hands-on training for experienced system administrators in how to use the distributed storage features of [Red Hat® Ceph Storage](#) and the networking capabilities of OpenStack® Neutron. Students will set up a Ceph environment and its configuration as a back end for OpenStack, and configure and use the advanced features of OpenStack Neutron. This course includes [Red Hat Certified Engineer in Red Hat Openstack exam \(EX310\)](#).

## Training Development

- Introduction to Red Hat Ceph Storage
  - Introduce Red Hat Ceph Storage architecture, components, and attributes.
- Describe Red Hat Ceph Storage components and features
  - Describe the components and features of Red Hat Ceph Storage.
- Deploy and access Red Hat Ceph Storage
  - Create snapshots and clones for Red Hat Ceph Storage.
- Create snapshots and clones
  - Manage snapshots and clones of a Ceph Block Device (RBD).
- Ceph with the Glance Image service
  - Integrate Ceph with the OpenStack Glance Image service to store OpenStack images in Ceph.
- Ceph with the Cinder Block Storage service
  - Integrate Ceph with the OpenStack Cinder Block Storage service to provide OpenStack volumes in Ceph.
- Ceph with the Nova compute service
  - Integrate Ceph with the OpenStack Nova compute service to store instance data in Ceph.
- Introduce networking fundamentals
  - Review networking concepts and deploy OpenStack with a separate Neutron networking node.
- Network interfaces
  - Manage network interfaces manually (using the ip command) and persistently.
- Virtual bridging
  - Install and manage virtual network bridges.
- Virtual network devices
  - Create and deploy virtual network devices.
- Network namespaces
  - Manage and implement networks inside a network namespace.
- Neutron services
  - Verify and manage the Neutron services.
- Provisioning tenant networks
  - Provision tenant networks using VXLAN tunnels, GRE tunnels, and VLANs.
- Implementing load-balancer-as-a-service (LBaaS)
  - Implement LbaaS.
- Neutron networking services
  - Diagnose and troubleshoot issues with the Neutron networking service.
- Comprehensive Review
  - Review tasks from the Red Hat OpenStack III course.

## Options

[Red Hat Certified Engineer in OpenStack exam \(EX310\)](#)

Become a RHCE in OpenStack by passing our exam, where you will demonstrate your abilities to integrate and configure with [Red Hat Enterprise Linux OpenStack Platform](#), [Red Hat Ceph Storage](#), and Neutron services.

## **Dates de session**

Sur demande. [Merci de nous contacter](#)

## **Informations Complémentaires**

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)