Red Hat OpenStack Administration II: Infrastructure Configuration for Cloud Administrators (CL210)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 20 Abr. 2020 a 23 Abr. 2020
- **Preço:** 2160€
- **Horário:** Laboral - das 09h00 às 17h00
- **Nível:** Avançado
- **Duração:** 27 horas

Introduction to Red Hat OpenStack Platform configuration and administration of private cloud infrastructure using core OpenStack services

Red Hat OpenStack Administration II: Infrastructure Configuration for Cloud Administrators (CL210) teaches you how to implement a full-featured cloud computing environment using OpenStack. You will learn how to configure, administer, and manage Red Hat® OpenStack Platform infrastructure.

The lessons and objectives taught in this course will prepare you for the Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210).

This course is based on Red Hat OpenStack Platform 13.0 and Red Hat® Enterprise Linux® 7.5.

The focus of this course is on managing and using the OpenStack client command-line interface and the director and dashboard graphical web user interfaces to securely manage server instances, compute and storage resources, and user identities.
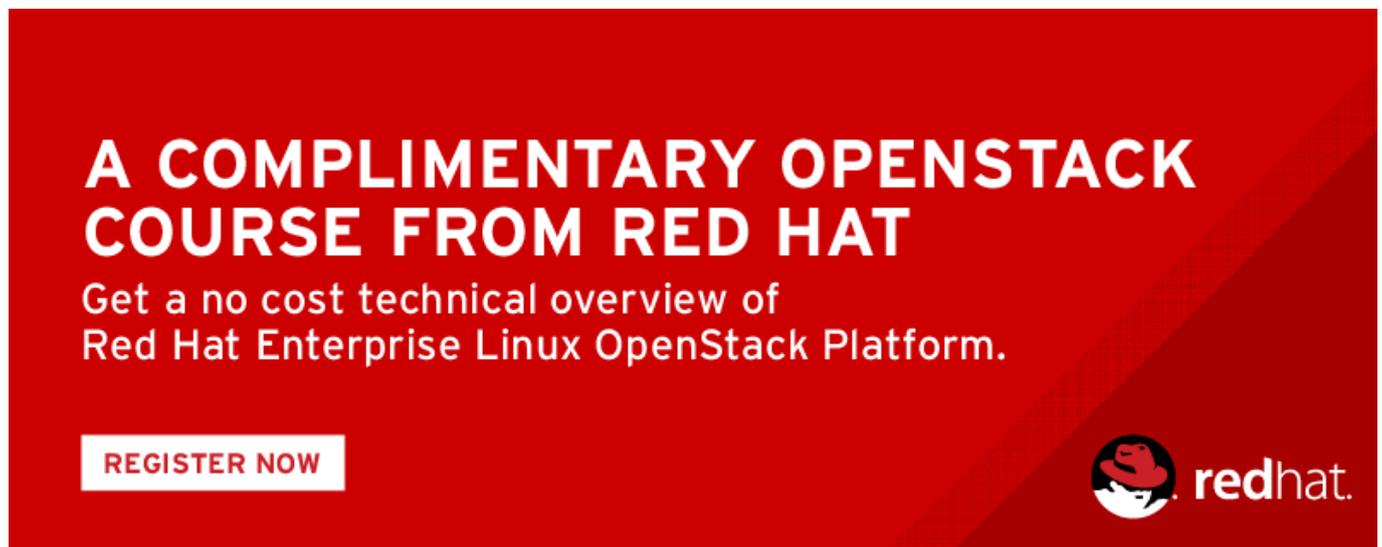
Diagnóstico de Competências

Teste previamente os seus conhecimentos, ou os da sua equipa, em:

- Red Hat Satellite
- Ansible
- RH JBoss Enterprise Application Platform
- RH Gluster Storage
- RH OpenShift
- RH OpenStack Platform
- RH Enterprise Linux 7
- RH Fuse
- RH Camel

- RH AMQ
- RH Ceph Storage
- RH Identify Management
- RH Enterprise Linux 8

[Aceda aqui ao diagnóstico!](#)

Curso Red Hat OpenStack Gratuito

Destinatários

This course is intended for Linux system administrators, cloud administrators, cloud operators, and infrastructure architects interested in, or responsible for, maintaining a private or hybrid cloud.

Pré-requisitos

- [Red Hat OpenStack Administration I : Core Operations for Cloud Operators (CL110)](#) course or equivalent experience
- Red Hat Certified System Administrator (RHCSA) certification or equivalent experience

Objectivos

As a result of attending this course, you will know how to configure and manage an OpenStack installation featuring all of the common, core features and services used by enterprise private/hybrid cloud customers. You will also be able to choose and customize compute, storage, networking, deployment, and application support resources and services tailored to your enterprise needs.

Students should be able to demonstrate the following skills:

- Navigate and manage the control plane on the undercloud and the overcloud.
- Work with containerized overcloud infrastructure services.
- Manage necessary authentication, authorization, and security administration.
- Navigate and describe all network layers in an IaaS and all aspects of SDN design and management.
- Manage compute node and storage resource, including hyperconvergence.
- Troubleshoot typical OpenStack operations.

Programa

Navigate the Red Hat OpenStack Platform architecture

Describe the classroom environment, support systems, functions of the undercloud components, and more.

Describe the OpenStack control plane

Identify the shared services running on a controller node and describe service endpoint configuration and security.

Integrate identity management

Describe the installation and architecture of a Red Hat Identity Management back end for the OpenStack identity service.

Perform image operations

Build an image using diskimage-builder and customize launched instances during deployment using cloud-init.

Manage storage

Explain persistent storage options for use in OpenStack, focusing on the expanding capabilities of the default Red Hat® Ceph Storage.

Manage OpenStack networking

Explain the different network types available to the OpenStack networking service and improve network performance with Open Virtual Network.

Manage compute resources

Perform common compute node administration tasks, including live migration, evacuation, and enabling and disabling compute nodes.

Automate cloud applications

Explain the orchestration architecture required to deploy application stacks and write templates using the Heat Orchestration Template (HOT) language.

Troubleshoot OpenStack operations

Discuss recommended diagnostic and troubleshooting tools and techniques.

Comprehensive review

Build a custom image and launch an instance using the custom image.