

# Red Hat Certified System Administrator in Red Hat OpenStack exam (EX210)

## Red Hat Certified System Administrator

- **Formato do curso:** Presencial
- **Preço:** 425€
- **Nível:** Avançado
- **Duração:** 4 horas

The Red Hat Certified Specialist in Cloud Infrastructure exam (EX210) tests the skills, knowledge, and abilities needed to create, configure, and manage private clouds using Red Hat® Enterprise Linux® and Red Hat® OpenStack Platform. The exam focuses on the tasks necessary to maintain a functioning Red Hat OpenStack Platform cluster and manage day-to-day operations.

By passing this exam, you become a Red Hat Certified Specialist in Cloud Infrastructure, which also counts toward becoming a Red Hat Certified Architect (RHCA®).

This exam is based on Red Hat OpenStack Platform 16.1.

## Diagnóstico de Competências

Teste previamente os seus conhecimentos em:

- Red Hat Linux
- JBoss
- OpenStack
- Puppet
- Red Hat Satellite 6

[Acesso ao diagnóstico ...](#)

## Destinatários

- Systems administrators or operators who manage OpenStack-based cloud infrastructure
- Red Hat Certified Engineers (RHCEs) who wish to become pursue Red Hat Certified Architect (RHCA)

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## Pré-requisitos

- Be a Red Hat Certified System Administrator or demonstrate comparable work experience and skills
  - Have taken [Red Hat OpenStack Administration I: Core Operations for Domain Operators \(CL110\)](#) and [Red Hat OpenStack Administration II: Day 2 Operations for Cloud Operators \(CL210\)](#) courses, or demonstrate comparable work experience using Red Hat OpenStack Platform
  - Review the Red Hat Certified Specialist in Cloud Infrastructure exam (EX210) objectives for this exam
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## Objetivos

To become a Red Hat Certified System Administrator in Red Hat OpenStack, you will validate your ability to perform these tasks:

- Manage the Red Hat OpenStack Platform control plane
  - Manage control plane services
  - Backup and restore control plane
  - Start and stop an overcloud
- Manage infrastructure security
  - Manage end-to-end secure services
  - Manage file-based component security with AIDE
- Manage user security
  - Manage an integrated IdM back-end configuration
  - Manage scoped service access
  - Manage project organization
  - Create a Red Hat OpenStack Platform domain for a client organization
  - Maintain token keys
  - Customize user roles
- Manage application deployment resources
  - Create images and flavors
  - Create and customize images
  - Initialize an instance during deployment
- Manage storage in Red Hat OpenStack Platform
  - Manage a Red Hat OpenStack Platform-dedicated Ceph storage cluster
  - Implement storage choices in Red Hat OpenStack Platform
  - Manage a Ceph storage cluster
  - Configure storage infrastructure
  - Manage Swift storage
- Manage networking
  - Configure Open Virtual Networking (OVN) services
  - Create and manage shared networks
- Manage compute node operations
  - Administer compute nodes

- Manage compute resource capacity
  - Manage hyperconverged resource capacity
  - Re-balance compute node workloads
  - Monitor operations
    - Implement the Service Telemetry Framework
    - Understand the flow of Red Hat OpenStack Platform services and components logging
  - Automate cloud application deployment
    - Manage mass-scale application deployment
    - Write heat orchestration templates
    - Deploy applications using Ansible
    - Create a load-balanced application stack
  - Troubleshoot operations
    - Diagnose issues
    - Troubleshoot common core issues
    - Trace heat stack events and troubleshoot failures
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## Metodologia

This exam is a performance-based evaluation of Red Hat OpenStack Platform skills and knowledge. Candidates perform a number of systems administration tasks focused on configuring and administering a Red hat OpenStack Platform cloud and are evaluated on whether they have met specific objective criteria. Performance-based testing means that candidates must perform tasks similar to what they would perform on the job.