



Red Hat OpenShift Administration I (DO280)

- **Formato do curso:** Presencial
- **Localidade:** Porto
- **Data:** 09 Dez. 2019 a 11 Dez. 2019
- **Preço:** 1500€
- **Horário:** Laboral - das 9h00 às 17h00
- **Duração:** 20 horas

Create, configure, manage, and troubleshoot OpenShift clusters.

Red Hat OpenShift Administration I (DO280) teaches you how to install and administer the Red Hat® OpenShift® Container Platform. This hands-on, lab-based course shows you how to install, configure, and manage OpenShift clusters and deploy sample applications to further understand how developers will use the platform.

This course is based on Red Hat® Enterprise Linux® 7.5 and OpenShift Container Platform 3.9.

OpenShift is a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes. OpenShift provides predefined application environments and builds upon Kubernetes to provide support for DevOps principles such as reduced time to market, infrastructure-as-code, continuous integration (CI), and continuous delivery (CD).

Course summary

- Install an OpenShift Container Platform cluster
- Configure and manage masters and nodes
- Secure OpenShift
- Control access to resources on OpenShift
- Monitor and collect metrics on OpenShift
- Deploy applications on OpenShift Platform Container using Source-to-Image (S2I)
- Manage storage on OpenShift

Destinatários

This course is designed for system administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.

Pré-requisitos

Red Hat recommends these prerequisites:

- Be certified as a [Red Hat Certified System Administrator](#), or equivalent Red Hat Enterprise Linux system administration experience
 - Complete the [Introduction to Containers, Kubernetes, and Red Hat OpenShift \(DO180\)](#) course or have equivalent experience with containers, Kubernetes, and OpenShift basics.
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Objetivos

As a result of attending this course, you should be able to install, configure, and manage a Red Hat OpenShift Container Platform cluster and deploy applications on it.

You should be able to demonstrate these skills:

- Install OpenShift Container Platform to create a simple cluster.
 - Configure and manage OpenShift masters and nodes.
 - Secure OpenShift with a simple internal authentication mechanism.
 - Control access to resources on OpenShift.
 - Deploy applications on OpenShift using Source-to-Image (S2I).
 - Configure and manage OpenShift pods, services, routes, secrets, and other resources.
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Programa

Introduction to Red Hat OpenShift Container Platform

List the features and describe the architecture of the OpenShift Container Platform.

Install OpenShift Container Platform

Install OpenShift and configure the cluster.

Explore OpenShift networking concepts

Describe and explore OpenShift networking concepts.

Execute commands

Execute commands using the command-line interface.

Manage OpenShift resources

Control access to OpenShift resources.

Allocate persistent storage

Implement persistent storage.

Manage application deployments

Manipulate resources to manage deployed applications.

Metrics subsystem

Install and configure the metrics-gathering system.

Manage and monitor

Manage and monitor OpenShift resources and software.