Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (DO280)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Porto
- **Data:** 12 Jun. 2019 a 14 Jun. 2019
- **Preço:** 1686€
- **Horário:** Laboral - das 09h00 às 17h00
- **Duração:** 20 horas

Create, configure, manage, and troubleshoot OpenShift clusters

Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster (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® 8.0 and Openshift Container Platform 4.5.

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).

Learn how to:

- Describe the Red Hat OpenShift Container Platform cluster installation and update processes
- Troubleshoot application deployments
- Configure authentication using local users
- Control access to projects using role-based access control (RBAC)
- Configure service and container networking
- Configure pod scheduling using labels and selectors
- Limit compute resource usage
- Scale a cluster
- Monitor cluster events and alerts
- Perform Cluster Updates
- Manage a Cluster with the Web Console

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!](#)

Destinatários

This course is designed for

- System administrators, system architects, and developers who want to install and configure Red Hat OpenShift Container Platform.
- System and Software Architects interested in understanding features and functionality of an OpenShift cluster.
- System Administrators interested in the initial establishment of a cluster.
- Cluster Operators interested in the ongoing maintenance of a cluster.
- Site Reliability Engineers interested in the ongoing maintenance and troubleshooting of a cluster.

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 [Red Hat OpenShift I: Containers & Kubernetes (DO180)](#) course or have equivalent experience with containers, Kubernetes, and OpenShift basics.

Objectivos

for the organization

This course is intended to develop the skills needed to install, configure, and manage the Red Hat OpenShift Container Platform to deploy containerized applications that are highly available, resilient, and scalable. Red Hat OpenShift Container Platform enables rapid application development and deployment, as well as portability of an application across environments. The platform also offers simplified application scaling, administration, and maintenance of adapted or cloud-native applications.

for on the individual

After completing this course, you should be able to demonstrate the skills to establish a new OpenShift cluster, perform initial configuration of the cluster, and manage the cluster on a day-to-day basis. One major focus of the course is troubleshooting common problems that will be encountered beyond day one.

Programa

Describe the Red Hat OpenShift Container Platform

- Learn the components of Red Hat OpenShift Container Platform and how they interact.

Verify a Cluster

- Verify a cluster is installed and healthy.

Configure Authentication

- Configure authentication with an identity provider.

Control Access to OpenShift Resources

- Define and apply role-based access controls and protect sensitive information with secrets.

Configure OpenShift Networking Components

- Identify the components of OpenShift software-defined networking and configure some of the components.

Control Pod Scheduling

Control which nodes a pod runs on.

Scale an OpenShift Cluster

- Control the size of an OpenShift cluster.

Perform Cluster Updates

- Describe how to perform a cluster update.

Manage the Cluster with the Web Console

- Manage the OpenShift cluster using the web console.

Comprehensive Review

- Verify, manage, and troubleshoot an OpenShift cluster for enterprise use.