Rumos valorizamos profissionais!

Red Hat OpenShift Development II: Containerizing Applications (DO288)

- **Formato do curso:** Presencial e Live Training
- **Localidade:** Live Training
- **Data:** 23 Mai. 2022 a 27 Mai. 2022
- **Preço:** 2248€
- **Horário:** Laboral - das 9h00 às 15h00
- **Duração:** 27 horas

Hands-on training to boost developer productivity powered by Red Hat OpenShift

Red Hat OpenShift Development II: Containerizing Applications (DO288) enhances understanding of containers as a key technology for configuring and deploying applications and microservices. As the second course in the OpenShift development track, this offering will teach you how to design, build, and deploy containerized software applications to an OpenShift cluster.

Whether you're writing container-native applications or migrating existing brownfield applications, you'll learn how to boost developer productivity powered by Red Hat® OpenShift Container Platform, a containerized application platform that allows enterprises to manage container deployments and scale their applications using Kubernetes.

This course is based on Red Hat OpenShift Container Platform 4.6.

Learn how to:

- Manager and trigger application builds.
- Customize an existing source-to-image base image.
- Create an OpenShift template.
- Create health checks to monitor and improve application reliability.
- Create and deploy a Jenkins pipeline for continuous integration and continuous deployment.
- Create and deploy cloud-native application for OpenShift.

Destinatários

- Enterprise application developers
- Site reliability engineers

Pré-requisitos

- Complete the Red Hat OpenShift I: Containers & Kubernetes (DO180), or have equivalent knowledge
- Being a Red Hat Certified System Administrator or having earned a higher certification is helpful for navigation and usage of the command line, but is not required

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Objectivos

for the organization

As administrators and developers seek ways to improve application time to market for minimum viable products, containers and OpenShift have quickly become the de facto solution for agile development and application deployment. A container-based architecture, orchestrated with Kubernetes and OpenShift, improves application reliability and scalability while decreasing developer overhead and facilitating continuous deployment.

Building on the container foundations set in Red Hat OpenShift I: Containers & Kubernetes (DO180), this offering represents the first developer-focused OpenShift course. This course provides the gateway to organizational and digital transformation by demonstrating the potential of DevOps using a container-based architecture.

for the individual

As a result of completing this course, you should be able to understand the fundamental concepts behind containerizing, scaling, deploying, and managing applications in Red Hat OpenShift Container Platform. You will also acquire these skills:

- Design container images to containerize applications.
- Customize application builds and implement post-commit build hooks.
- Create a multicontainer application template.
- Implement health checks to improve system reliability.

Programa

Deploy and manage applications on an OpenShift cluster

- Deploy applications using various application packaging methods to an OpenShift cluster and manage their resources.

Design containerized applications for OpenShift

- Select a containerization method for an application and create a container to run on an OpenShift cluster.

Publish enterprise container images

- Create an enterprise registry and publish container images to it.

Manage building applications

- Describe the OpenShift build process, in addition to triggering and managing builds.

Customize source-to-image builds

- Customize an existing S2I base image and create a new one.

Create applications from OpenShift templates

- Describe the elements of a template and create a multicontainer application template.

Manage application deployments

- Monitor application health and implement various deployment methods for cloud-native applications.

Implement CI/CD pipelines in OpenShift

- Create and deploy Jenkins pipelines to facilitate continuous integration and continuous deployment (CI/CD) with OpenShift.

Build cloud-native applications on OpenShift

- Create and deploy cloud-native applications on OpenShift.