
Red Hat OpenShift Development I: Containerizing Applications

Duration: 3 Days Course Code: DO288

Overview:

Red Hat OpenShift Development I: 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 4.2.

Target Audience:

Enterprise application developers Site reliability engineers

Objectives:

- 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.
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Prerequisites:

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

- DO101 - Introduction to OpenShift Applications

Testing and Certification

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Follow-on-Courses:

- EX288 - Certified Specialist in OpenShift Application Development Exam
 - DO292 - Red Hat OpenShift Development II: Creating Microservices with Red Hat OpenShift Application Runtimes
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Content:

Deploy and manage applications on an OpenShift cluster	Manage building applications	Manage application deployments
Deploy applications using various application packaging methods to an OpenShift cluster and manage their resources	Describe the OpenShift build process, in addition to triggering and managing builds.	Monitor application health and implement various deployment methods for cloud-native applications.
Design containerized applications for OpenShift	Customize source-to-image builds	Implement CI/CD pipelines in OpenShift
Select a containerization method for an application and create a container to run on an OpenShift cluster.	Customize an existing S2I base image and create a new one.	Create and deploy Jenkins pipelines to facilitate continuous integration and continuous deployment (CI/CD) with OpenShift.
Publish enterprise container images	Create applications from OpenShift templates	Build cloud-native applications on OpenShift
Create an enterprise registry and publish container images to it.	Describe the elements of a template and create a multicontainer application template.	Create and deploy cloud-native applications on OpenShift.

Additional Information:

Red Hat Learning Subscriptions:

The Red Hat Learning Subscription is an exclusive program that provides users with 12-months access to all Red Hat Online Learning and video classroom courses. All subscribers will receive unlimited access to online learning content, up to 400 hours of hands-on lab time and more than 300 recorded instructor videos.

There are two versions available: Basic and Standard. These are also available in an Enterprise variant for large companies. The Standard is the most extensive subscription and offers access to Red Hat exams as an extra.

For more information please see LS120 and LS220 below

https://www.globalknowledge.com/en-GB/Products/Red_Hat/LS120

https://www.globalknowledge.com/en-GB/Courses/Red_Hat/Operating_Systems/LS220

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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