RED HAT CONTAINER ADOPTION BOOT CAMP FOR DEVELOPERS (DO720)

Course Code: 832003

Learn the adoption of container technology through the development of container-native applications.

Supporting the adoption of container technology through the development of container-native applications

The Container Adoption Boot Camp for Developers (DO720) immerses you in intensive, hands-on development of container-native applications deployed on Red Hat's implementation of Kubernetes, Red Hat® OpenShift® Container Platform. As part of enrollment, you will receive one year of Red Hat Learning Subscription Standard, which gives you unlimited access to all of our courses online, plus up to five certification exams and two retakes. This boot camp is for those seeking to make a quantum leap in their journey toward digital transformation. Making this shift involves developing software in tight iterations so that business value can be realized sooner. In order to accomplish this goal, this offering can facilitate the adoption of container-native applications, including microservices.

This collection of courses is based on Red Hat OpenShift Container Platform 4.10.

Note: This course is five days. Durations may vary based on the delivery. For full course details, scheduling, and pricing, select your location then "get started" on the right hand menu.

Course content summary
- Introduction to containers, Kubernetes, and Red Hat OpenShift
- Deploy and manage applications on an OpenShift cluster
- Build and design containerized applications for OpenShift
- Create microservice-based applications with Quarkus
- Deploy microservices to an OpenShift cluster
- Build resilient services with Red Hat OpenShift Service Mesh
- Secure an OpenShift service mesh

What You'll Learn

Impact on the organization

This boot camp is intended to provide developers who have basic to intermediate knowledge of containers with the foundational and advanced skills needed to

develop, deploy, and troubleshoot microservices applications with Red Hat OpenShift Container Platform. 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 adaptive or cloud-native applications.

Impact on the individual

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:

- Create and manage custom container images.
- Deploy applications to OpenShift Container Platform.
- Develop microservices using Quarkus.
- Design container images to containerize applications.
- Customize application builds and implement post-commit build hooks.
- Create a multi-container application template.
- Implement health checks to improve system reliability.
- Implement unit and integration tests for microservices.
- Use the Config specification to inject data into a microservice.
- Implement fault tolerance in a microservice using OpenShift Service Mesh.
- Secure an OpenShift Service Mesh.

Who Needs to Attend

Developers interested in adopting container technology and developing microservices.

Prerequisites

- Become a Red Hat Certified System Administrator (RHCSA), or demonstrate equivalent experience
- Red Hat Application Development I: Programming in Java EE (AD183), or experience with Java EE development

Technology considerations

- Internet access is required for this course in order to access the OpenShift shared and dedicated clusters.

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PRIVATE GROUP TRAINING	10 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.