

Red Hat Container Adoption Boot Camp for Developers (DO720)

ID DO720 **Price** CHF 9,800.—(excl. VAT) **Duration** 10 days

Who should 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)

Course Objectives

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 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:

- Design container images to containerize applications.
- Build and manage custom container images.
- Persisting Data in container based applications.
- Deploy applications to OpenShift Container Platform.
- Develop microservices using Quarkus.
- Implement health checks in microservices to improve system reliability.
- Implement unit and integration tests for Quarkus

microservices.

- Implement fault tolerant Quarkus microservices
- Secure Quarkus microservices using JWT and OAuth

Course Content

- 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 Quarkus and Node.js based microservices to an OpenShift cluster
- Learn how to test, secure, and monitor Quarkus microservices
- Make Quarkus microservices fault tolerant

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Training Centres worldwide



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