Red Hat Cloud-native Microservices Development with Quarkus (DO378)

ID DO378 **Price** CHF 3,690.—(excl. VAT) **Duration** 4 days

Who should attend

This course is designed for Java application developers.

This course is part of the following Certifications

Red Hat Certified Cloud-Native Developer (RHC-CND)

Prerequisites

- Experience with Java application development or Red Hat Application Development I: Programming in Java EE (AD183)
- Be proficient in using an IDE such as Visual Studio Code
- Recommended, but not required: experience with Maven and version control.
- Recommended, but not required: experience with OpenShift or Introduction to OpenShift Applications (DO101)
- Take our free assessment to gauge whether this offering is the best fit for your skills.

Course Objectives

Impact on the organization

- Organizations are striving to make the move from monolithic applications to applications based on microservices, as well as how to reorganize their development paradigm to reap the benefits of microservice development in a DevOps economy. With Quarkus, developers can more quickly build, test, and deploy their applications, improving application time to market.
- Organizations are also invested in the familiarity of Java™ programming frameworks as well as the stability and benefits Red Hat OpenShift Container Platform. This course teaches developers how to leverage microservice application development with Quarkus for streamlined deployment on OpenShift clusters.

Impact on the individual

As a result of attending this course, you will understand how to develop, monitor, test, and deploy microservice-based applications using Quarkus and Red Hat OpenShift.

You should be able to demonstrate these skills:

- Design a microservices-based architecture for an enterprise application.
- Quickly build and test microservices with Quarkus and deploy on to OpenShift Container Platform.
- Implement fault tolerance and health checks for microservices.
- Secure microservices to prevent unauthorized access.
- Monitor and trace microservices.

Course Content

- Deploy microservice applications on Red Hat® OpenShift Container Platform.
- Build a microservice application with Quarkus.
- Implement unit and integration tests for microservices.
- Use the config specification to inject data into a microservice.
- Secure a microservice using OAuth.
- Implement health checks, tracing and monitoring of microservices.
- Build reactive and asynchronous applications using Quarkus.

Training Centres worldwide

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