

Red Hat Certified Cloud-Native Developer

Course Outline

Introducing the Red Hat Build of Quarkus

Describe the components and patterns of microservice-based application architectures and the features of the Red Hat Build of Quarkus.

Developing Cloud-native Microservices with Quarkus

Implement microservices based applications by using the Red Hat Build of Quarkus runtime and associated developer tooling.

Testing Quarkus Microservices

Implement unit and integration tests for microservices.

Developing Reactive and Asynchronous Microservices

Describe the features of reactive architectures and implement reactive services by using Quarkus.

Securing Quarkus Microservices

Secure microservice communications by applying origin validation, requests authentication and authorization.

Implementing Quarkus Microservices on the Red Hat OpenShift Container Platform

Develop and deploy cloud-native applications on the Red Hat OpenShift Container Platform.

Implementing Fault Tolerance in Microservices

Implement fault tolerance in a microservice architecture.

Monitoring Quarkus Microservices

Monitor the operation of a microservice by using logging, metrics and distributed tracing.