

Training program:

Quarkus - introduction and advanced topics

Info:

Name:	Quarkus - introduction and advanced topics
Code:	quark-advanced
Category:	Quarkus
Target audience:	developers architects
Duration:	3 days
Format:	workshop

The training will guide you through the complete application development process with an emphasis on testing and architecture.

It's all about the content.

- Training provided by the author of the official Quarkus extension
- Testing best practices and architectural patterns
- Pragmatic approach

Training program

1. Quarkus Overview

- 1.1. Quarkus vs Spring
- 1.2. Configuration
- 1.3. Native binaries with GraalVM
- 1.4. Docker integration

2. Blazingly fast development with Quarkus Dev mode

3. Dependency Injection with ArC(CDI 2.0)

4. Building Web Applications with Quarkus

- 4.1. web controller basics (JAX-RS/RestEasy)
- 4.2. observability: metrics/healthchecks
- 4.3. Quarkus-native Persistence(Hibernate/Panache)
- 4.4. communication with services using HTTP clients
- 4.5. Quarkus-specific testing features
- 4.6. container-managed concurrency

5. Native Images

- 5.1. GraalVM overview
- 5.2. Preparing applications for native image generation
- 5.3. Packaging and shipping
- 5.4. Native images vs tests

6. Effective Quarkus

- 6.1. Pragmatic introduction to Hexagonal Architecture
- 6.2. Introduction to testing pyramid and black-box testing