

DO092

Developing Cloud-Native Applications with Microservices Architectures

Duration: 1 Days

Course description

Identify the proper frameworks and tools to build your microservices architecture

Developing Cloud-Native Applications with Microservices Architectures (DO092) is a series of on-demand, online videos that will teach you how to combine different frameworks and tools into a microservices architecture that fits your organizational needs.

You've no doubt heard about the microservices architecture, but understanding and executing it can be a bit of a challenge. Through a series of videos, this course will introduce microservices, review multiple microservices frameworks and runtimes, and show you techniques to deploy them through a hassle-free DevOps pipeline. We'll discuss containers, Docker, Spring Boot, NodeJS, .NET, OpenShift, Jenkins, Vert.x, Kubernetes, and much more.

Outline for this course

- Video 1:** Deploying Cloud-Native Applications with Microservices Architectures Introduction
- Video 2:** Microservices Overview: What and Why?
- Video 3:** API: Building and Deploying a Microservice (and demonstration)
- Video 4:** Discovery and Invocation (and demonstration)
- Video 5:** Microservices Patterns (and demonstration)
- Video 6:** Circuit Breakers (and demonstration)
- Video 7:** Pipelines (and demonstration)
- Video 8:** Authentication (and demonstration)
- Video 9:** Logging, Monitoring, and Tracing (and demonstration)
- Video 10:** Blue/Green Deployment (and demonstration)
- Video 11:** Canary Deployment (and demonstration)
- Video 12:** Moving from Monolith to Microservices