

Developing Cloud Native Applications with Microservices Architectures

Course code: D0092

Identify the proper frameworks and tools to build your microservices architecture. Developing Cloud-Native Applications with Microservices Architectures (D0092) 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.

Who is the course for

Java™ developers and anyone interested in OpenShift and Kubernetes

What we teach you

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.

Required skills

Understanding of software and IT system architecture

Course outline

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

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



Copyright © 2020 GOPAS, a.s.,
All rights reserved