DevOps Fundamentals

Course code: DEVOPSFT

The DevOps Fundamentals course is designed to provide the core education necessary to build your DevOps vocabulary and to understand its principles and practices. With the help of key DevOps concepts and terminology, real life case studies, examples and interactive group discussions and extensive exercises in each module you will acquire a fundamental understanding of DevOps.

Why to attend

- I want to understand what DevOps is and what everything belongs there.
- I want to understand how DevOps differs from Agile.
- I want to understand fundamentals of all involved concepts and practices (Agile, Lean, Scrum, Kanban, VSM, Lean Startup, ITSM, CI/CD, ...).
- I want to understand the language of DevOps.
- I want to understand impact of DevOps on me.
- I want to understand impact of DevOps on my organization.
- I want to understand how to grasp the DevOps transformation.
- I want to understand what next steps are.

Who is the course for

- DevOps engineers
- Product owners
- Integration specialists
- Operations managers
- Incident and change managers
- System administrators
- Network administrators
- Business managers
- Automation architects
- Enterprise architects
- Testers

What we teach you

- Explain the drivers responsible for the emergence of DevOps.
- Define and discuss the key concepts and principles of DevOps.
- List and explain the business benefits of DevOps and continuous delivery.
- Describe the Service Delivery process.
- Explain the concepts of test automation, infrastructure automation, and build and deployment automation.
- Describe how DevOps relates to Lean and Agile methodologies.
- List the most common and popular DevOps tools.
- Discuss the critical success factors for DevOps implementation.

Teaching materials

Every participant receives studen guide in English languange and additional supporting materials. Presentation is provided in Czech or English language.

Course outline

- Introduction
- Building the DevOps Context
- Culture
- Automation

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- Lean
- Measurement
- Sharing
- DASA Guidance
- Exam Preparation

Certification exam

- Web-proctored exam
- Closed-book format
- Computer-Based
- 40 multiple choice questions
- Passing score 65%
- Duration 60 min (+15min for non-native speakers)

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