Training: DevOps DASA

DevOps Fundamentals

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<th>MATERIALS</th>
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<td>Traditional</td>
<td>Hardcopy</td>
<td>440 EUR</td>
<td>3 days</td>
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<tr>
<td>Traditional</td>
<td>Digital materials</td>
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ADDITIONAL OPTIONS

- Exam during the training: 175 EUR
- Online exam at home: 190 EUR

LOCATIONS

Krakow - 5 Tatarska Street, II floor, hours: 9:00 am - 4:00 pm
Warsaw - 17 Bielska Street, hours: 9:00 am - 4:00 pm

TRAINING GOALS:

Up to 200 times faster software deployment, 30 times increased deployment frequency, and 60 times higher change success rates. The data doesn’t lie. Organizations such as Netflix, Spotify and Facebook are transforming IT by successfully implementing DevOps principles. But you don’t have to be a hot internet company or a gigantic enterprise to be a DevOps leader. Companies large and small, young and old, have magnificently made the transition and have the proof of success in their pockets.

DevOps training is the starting point for an organization going on the DevOps journey. Improved workflows and faster deployment start with a core understanding of DevOps fundamental concepts by anyone involved in an agile and/or DevOps team. The 3-day DevOps Fundamentals course provides an extensive introduction to the core Agile DevOps principles covering the essential knowledge and skill competencies that have been defined by the DevOps Agile Skills Association (DASA). This 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.

At the end of this course, you will be able to:

- Know the emergence of DevOps
- Know the core concepts and principles of DevOps
- Know what DevOps means for you as professional and for your organization
Know the essence of a DevOps culture
Understand the key elements of a DevOps culture
Know the important aspects when creating a DevOps culture
Know the Operational models of DevOps
Understand the need for autonomous teams
Understand the impact of DevOps on Architecture with respect to deployment
Understand governance within DevOps teams
Understand Agile, Scrum and Kanban and how these practices relate to one another
Understand how ITSM processes relate to practices in a DevOps culture
Understand how lean is used to optimise processes
Know how to provide a Value Stream Map for a given process
Understand the way to harvest new and innovative ideas
Know the impact of automation on Software Delivery processes
Understand the benefits and core principles of Continuous Delivery
Describe the key cloud principles for DevOps organisations
Know the relevance of monitoring and logging DevOps

Audience:

- Individuals involved in IT development, IT operations or IT service management
- Individuals whose role is touched by DevOps and continuous delivery, such as the following IT roles:
  - DevOps engineers
  - Product owners
  - Integration specialists
  - Operations managers
  - Incident & change managers
  - System administrators
  - Network administrators
  - Business managers
  - Automation architects
  - Enterprise architects
  - Testers

CONSPECT:

- Course Introduction
  - Let’s Get to Know Each Other
○ Overview
○ Course Objectives
○ Mapping of the Competence Model with the Course Modules
○ Course Agenda
○ Type of Activities
○ Exam
○ Course Book
○ Technical Glossary
○ Group Activity
○ Module Summary

○ DevOps Introduction
  ○ Module Objectives
  ○ Module Topics
  ○ Emergence of DevOps
  ○ Core Concepts of DevOps
  ○ DevOps Agile Skills Association (DASA)
  ○ Module Summary
  ○ Module End Questions

○ Culture
  ○ Module Objectives
  ○ Module Topics
  ○ Essence of a DevOps Culture
  ○ Key Elements of DevOps
  ○ Implementation of a DevOps Culture
  ○ Module Summary
  ○ Module End Questions

○ Organization
  ○ Module Objectives
  ○ Module Topics
  ○ Organizational Model
  ○ Autonomous Teams
  ○ Architecting for DevOps
  ○ Governance
  ○ Module Summary
  ○ Module End Questions

○ Processes
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Module Objectives
Module Topics
Process Basics
DevOps in Relation to ITSM
Agile and Scrum
12 Principles of the Agile Manifesto
Optimizing Processes Using Lean
Business Value Optimization and Business Analysis Using Story Mapping
Module Summary
Module End Questions

Automation
Module Objectives
6A Automation Concepts
Automation for Delivery of Software
Continuous Delivery Core Concepts
Continuous Delivery Automation Concepts
Continuous Delivery Automation Focus Topics
6B Data Center Automation
Emergence of Cloud Technology and Principles
Cloud Services Concepts in a DevOps Organization
Automated Provisioning Concepts
Platform Product Characteristics and Application Maturity
Module Summary
Module End Questions

Measure and Improvement
Module Objectives
Module Topics
Importance of Measurement
Choosing the Right Metrics
Monitoring and Logging
Module Summary
Module End Questions

Optional Exam

REQUIREMENTS:
Basic familiarity with Agile, Scrum, Lean, and ITSM principles is beneficial.

Difficulty level

CERTIFICATE:

You will receive the required certification from DASA on successful completion of the DASA DevOps Fundamentals exam.

About the exam: 60 minutes with non-native speakers of English being permitted an additional 15 minutes; a closed-book, web-based exam and consists of 40 multiple-choice questions; passing grade is 65%; Participants are permitted to use scratch paper; A proctor will be present or the exam will be proctored via a webcam.

TRAINER:

Authorized DevOps Trainer.