

DevOps Fundamentals – DASA

Description

Understanding the fundamentals of DevOps

This DevOps Fundamentals – DASA training is a key step for any organization looking to improve its development and operations practices. It provides a clear and accessible overview of the essential concepts that support digital transformation. By gaining a solid foundation in DevOps, each team member increases efficiency and strengthens their understanding of current challenges. This approach facilitates collaboration between developers, engineers, and business leaders.

Applying DevOps within your organization

The course highlights the fundamental concepts needed to build a shared culture of value, agility, and speed. Through a practical teaching approach, you will discover the role of DevOps practices in streamlining processes and improving software delivery. With real-world case studies and hands-on exercises, participants will learn how to transform their workflows into sustainable performance drivers.

Course Content

Module 1: Course introduction

- Getting to know each other
- Overview
- Course learning objectives
- Course agenda
- Types of activities
- Exam
- Course book
- Technical glossary
- Group activity

Module 2: Introduction to DevOps

- Emergence of DevOps
- Fundamental concepts of DevOps
- Association of Agile DevOps skills (DASA)

Module 3: Culture

- Introduction to a DevOps culture
- Key elements of DevOps
- Implementing a DevOps culture

Module 4: Organization

- Organizational model
- Self-organizing teams
- Architecting for DevOps

- Governance

Module 5: Processes

- Definition of Agile, Scrum and Kanban
- DevOps compared to ITSM
- The Scrum approach in detail
- Process optimization with Lean
- Business value optimization and analysis using mapping
- Software delivery lifecycle in a DevOps organization

Module 6: Automation

- Automation concepts 6A
- Automation for software delivery
- Fundamental concepts of continuous delivery
- Automation concepts for continuous delivery
- Continuous delivery automation
- Data center automation 6B
- Emerging technology and cloud principles
- Cloud service concepts in a DevOps organization
- Automated provisioning concepts
- Platform product characteristics and application maturity

Module 7: Measurement and improvement

- Importance of measurement
- Choosing the right metrics
- Monitoring and logging

Module 8: Exam preparation guide

- Qualification learning objectives
- Syllabus learning levels
- Certification
- Exam instructions
- Exam tips
- Mock exam

Lab / Exercises

- This course includes hands-on exercises designed to reinforce your knowledge and apply your skills in real-world professional scenarios.

Documentation

- Official digital courseware included

Exam

- Exam "DevOps Fundamentals - DASA" included

Participant profiles

- DevOps engineers

- Product owners
- Operations managers
- Incident and change managers
- System and network administrators
- Automation architects

Prerequisites

- Have basic familiarity with agile, scrum, lean and itsm principles is beneficial

Objectives

- Know the core concepts & principles of DevOps
- Know the important aspects when creating a DevOps culture
- Know the Operational models of DevOps
- 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

Description

DevOps Fundamentals - DASA Training

Niveau

Fondamental

Classroom Registration Price (CHF)

3100

Virtual Classroom Registration Price (CHF)

2950

Duration (in Days)

3

Reference

DEVOPSDASA-01