

DevOps Foundation – DOI

Description

DevOps Foundation – DOI is an essential training to understand and apply the principles that transform collaboration between technical teams. The course highlights the fundamentals of DevOps and its direct impact on organizational performance. Through this training, you will learn how to improve communication, break down silos, and strengthen the efficiency of IT projects.

Why take a DevOps training

This independent certification from the DevOps Institute offers a clear and structured approach. It provides a common vocabulary and a solid understanding of key mechanisms such as continuous integration, continuous delivery, and built-in security. Participants also learn to connect DevOps with well-established practices such as Agile, Lean, and ITSM. With a progressive methodology, the training makes it easier to implement concrete solutions in complex environments.

Course Content

Module 1: Exploring DevOps

- Defining DevOps
- Why is DevOps important?

Module 2: Core principles of DevOps

- The three ways
- The first way
- The theory of constraints
- The second way
- The third way
- Chaos engineering
- Learning organizations

Module 3: Key DevOps practices

- Continuous delivery
- Site reliability and resilience engineering
- DevSecOps
- ChatOps
- Kanban

Module 4: Business and technology frameworks

- Agile
- ITSM
- Lean
- Security culture
- Learning organizations
- Sociocracy / Holacracy

- Continuous funding

Module 5: Culture, behaviors and operating models

- Defining culture
- Behavioral models
- Organizational maturity models
- Target operating models

Module 6: Automation and DevOps toolchain architecture

- CI / CD
- Cloud
- Containers
- Kubernetes
- DevOps toolchain

Module 7: Measurement, metrics and reporting

- The importance of metrics
- Technical metrics
- Business metrics
- Metrics and reporting

Module 8: Sharing, observation and evolution

- Collaborative platforms
- Immersive and experiential learning
- DevOps leadership
- Change evolution

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 Foundation - DOI" included

Participant profiles

- Software developers and engineers
- IT operations managers and engineers
- Quality assurance and testing professionals
- IT project managers and technical managers

Prerequisites

- Be familiar with IT terminology
- Have an IT related work experience

Objectives

- DevOps objectives and vocabulary
- Understand principles and practices including Continuous Integration, Continuous Delivery, testing, security and the Three Ways
- Understand DevOps relationship to Agile, Lean and ITSM
- Improve workflows, communication and feedback loops

Description

DevOps Foundation Training - DOI

Niveau

Fondamental

Classroom Registration Price (CHF)

3100

Virtual Classroom Registration Price (CHF)

2950

Duration (in Days)

3

Reference

DEVOPSDOI-01