# 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

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**Classroom Registration Price (CHF)** 

3100

**Virtual Classroom Registration Price (CHF)** 

2950

**Duration (in Days)** 

3

Reference

**DEVOPSDOI-01**