DevOps Foundation® Training & Exam

3 Days (21 Hours) | PeopleCert DOFD Exam voucher included

DevOps Foundation – 3-Day Accredited Training by the DevOps Institute

Accelerate your DevOps journey with our comprehensive DevOps Foundation course, accredited by the DevOps Institute. Over three days, you'll gain essential knowledge and practical skills in DevOps principles, tools and best practices.

- **Master DevOps Fundamentals**: gain a solid understanding of DevOps culture, collaboration models, and automation frameworks
- **Learn Through Practice**: engage in real-world exercises, case studies, and interactive discussions designed to reinforce your learning
- **Stay Industry-Relevant**: discover the latest trends, tools, and methodologies shaping modern DevOps environments
- **Get Certified**: prepare confidently for the **DevOps Foundation Certification**, a globally recognized credential that validates your expertise.
- **All-Inclusive Package**: your course includes official DevOps Institute training materials, an exam voucher, and the **Take2 retake option**.



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Why Earn the DevOps Foundation Certification?

The **DevOps Foundation certification** provides a solid baseline in DevOps principles, empowering professionals to drive innovation, speed up software delivery, and enhance collaboration across teams. By mastering the essential concepts and practices, you'll be equipped to deliver high-quality software faster, exceed customer expectations, and stay ahead of the competition.

LEARNING OBJECTIVES

This engaging and interactive course combines theoretical foundations with practical applications to help you:

- **Understand the DevOps culture and language -** Grasp key DevOps terms, principles, tools and practices that form the backbone of modern IT and software delivery.
- **Leverage Tools Effectively** - Learn how to integrate and use DevOps tools in a full-stack environment to achieve business goals and improve operational efficiency.
- **Drive Collaboration and Integration** - Recognise the critical role of communication, cross-functional collaboration, integration and automation in a successful DevOps implementation.
- **Bridge the gap between Dev and Ops** - Discover how DevOps improves the workflow between software development and IT operations, supporting organisational agility and digital transformation.
- **Apply DevOps Through Real-World Scenarios** - Through real-world case studies, group discussions, exercises, and interactive activities, explore how DevOps can reduce costs, increase agility, and improve the quality of deliverables.

COURSE OUTLINE

The course includes a combination of presentations, hands-on exercises, quizzes, and group discussions. These interactive components are designed to reinforce your understanding of core DevOps principles and help you confidently apply them in your professional environment.

- **Module 1 – Exploring DevOps**
  - A short history of DevOps
  - What is DevOps, and what is it not?
  - Why DevOps is important today?
  - The business perspective or why the business is driving DevOps
  - The IT perspective or why IT is driving DevOps
- **Module 2 – Core DevOps Principles and Concepts**
  - The Tree Ways: Flow, Feedback and Continuous Experimentation & Learning
  - The theory of constraints
  - Chaos engineering
  - Learning organizations
- **Module 3 – Key DevOps Practices**
  - Continuous testing, integration, delivery, and deployment
  - Site reliability & resilience engineering
  - Discovering DevSecOps, ChatOps and Kanban
- **Module 4– Business and Technology Frameworks**
  - How DevOps integrated with other frameworks such as Agile, ITSM and Lean
  - The safety culture in DevOps
  - Learning organizations or the importance to have a commitment to learning
  - Continuous funding vs traditional funding
- **Module 5 – Cultures, Behaviours and Operating Models**
  - What is organizational culture?
  - How DevOps helps to overcome cultural debt
  - Characteristics of a DevOps culture
  - Cultural change and change acceptance
  - Behavioral and rganizational models
- **Modele 6 – Automation and Architecting DevOps Toolchains**
  - CI/CD
  - Infrastructure as Code
  - Cloud
  - Containers & microservices
  - Machine learning
  - DevOps Toolchains
- **Module 7 – Measurement, Metrics and Reporting**
  - The importance of measurement
  - DevOps metrics: speed/throughput/tempo, quality, stability, culture
  - Change lead/cycle times
  - Value Driven Metrics
- **Module 8 – Sharing, Shadowing and Evolving**
  - DevOps in the Enterprise
  - DevOps Roles
  - DevOps Leadership
  - Organizational considerations
  - Getting started with DevOps
  - Challenges, Risks and critical success factors

During the course there will also be **an exam preparation using the quizzes and sample papers** provided by the certification bodies. Students will be asked to prepare a sample paper as homework. They will be corrected and debriefed in class the next morning. **Students will take their online exam in class on the afternoon of day 3**. If you are unsuccessful on your first attempt, a second chance is included in the registration fee.

Who should attend ?

PeopleCert/DevOps Institute DevOps Qualifications are designed for professionals in Software or Applications Development, IT Operations, IT Service Management, as well as business analysts, project and product managers, and anyone aspiring to gain knowledge of DevOps principles.

The F**oundation level** of the PeopleCert/DevOps Institute DevOps qualification scheme is aimed at **anyone who wishes to become an efficient member of a DevOps environment**. If you're looking for a higher-level certification, you can visit our DevOps Leadership page.

PREREQUISITES

For the **DevOps Foundation** course, there are **no formal prerequisites**, making it accessible to a broad range of professionals. However, to get the most out of the training, participants are recommended to have the following: a basic familiarity with IT terminology and processes and/or an experience working in IT, development, or operations teams.

ABOUT THE EXAMINATION

The DevOps® Foundation certification from the DevOps Institute is the first step in your must-have training and certification path. This certification will test and validate your knowledge of the fundamental vocabulary, principles, and practices of DevOps.

Delivery	Online computer-based exam
Type	40 Multiple Choice Questions (MCQ)
Duration	1 hour (60 minutes) + extra time for non-native speakers or candidates with a disability
Minimum Pass Mark	65%
Open Book	Yes, only official training materials
Validity	3 years form the date of issue of your certificate

TRAINING DOCUMENTATION

Participants will receive **a digital version of the handbook** with quizzes, activities, videos and case studies for each module. It has been designed to reinforce learning and add value to your course experience. **The learner kit** also includes mock exams with answers and rationales, as well as additional resources that you can explore further to enhance your learning and understanding.