# Certified DevOps Foundation Training

Duration: **2 Day**

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In today's fast-paced digital landscape, organizations must deliver **high-quality software faster** to remain competitive. The training provides a comprehensive introduction to the **core concepts, principles, and culture of DevOps**, enabling teams to work collaboratively, efficiently, and with agility.

This course establishes a **baseline understanding of DevOps terminology, practices, and benefits**—bridging the gap between software development and IT operations. Learners will explore real-world case studies, interactive exercises, and multimedia examples inspired by *The Phoenix Project* by Gene Kim, *The State of DevOps* reports, and the *DevOps Institute Upskilling* research.

By the end of this course, participants will understand how DevOps helps organizations **reduce IT costs**, **increase release frequency**, and **enhance reliability**, supporting digital transformation and continuous improvement initiatives.

**Bilginç IT Academy** is an officially **Accredited Training Organisation (ATO)** by **PeopleCert**, the global leader in professional certification and exam delivery.
As an authorized PeopleCert partner, we deliver accredited training and official certification exams for **ITIL®, PRINCE2®, DevOps, and other PeopleCert-certified programs**, ensuring our learners receive globally recognized credentials with the most up-to-date curriculum.

Visit our official PeopleCert partner page here:Bilginç IT Academy – PeopleCert Official Partner

**Important Information:**
This course is an official program accredited by PeopleCert and is offered **only together with the corresponding certification exam**. The course fee **includes the exam fee**.
Participants can take the certification exam online through PeopleCert's examination system and earn an internationally recognized certificate.
This practice is mandatory to ensure compliance with PeopleCert's quality standards and accreditation guidelines.

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## Prerequisites

Familiarity with **IT terminology** and **technical work environments** is recommended, but **no prior DevOps experience** is required.

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## Who Should Attend

The DevOps Foundation course is designed for a wide range of professionals, including:

- IT Managers and Team Leaders
- Software Developers and Operations Engineers
- Project Managers, Business Analysts, and Product Owners
- Agile and Lean Practitioners
- Anyone seeking a foundational understanding of DevOps culture and practices

## What You Will Learn

By the end of this training, you will have gained knowledge and skills in the following areas:

- Define DevOps, its **objectives**, and **core vocabulary**.
- Explain the **business and IT benefits** of DevOps adoption.
- Understand the **Three Ways**—Flow, Feedback, and Continuous Learning.
- Describe key **DevOps practices**: Continuous Integration, Continuous Delivery, DevSecOps, Testing, and Automation.
- Explore the relationship between **DevOps, Agile, Lean, and ITSM**.
- Identify success factors, **metrics**, and **KPIs** for DevOps transformation.
- Recognize **cultural, behavioral, and organizational changes** required for DevOps success.
- Learn to scale DevOps across the **enterprise** through collaboration, automation, and feedback loops.

## Training Outline

**Exploring DevOps**

- What is DevOps and Why It Matters
- Core Principles of Collaboration and Automation

**Core DevOps Principles: The Three Ways**

- The First Way: Systems Thinking

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- The Second Way: Feedback Loops
- The Third Way: Continuous Learning
- The Theory of Constraints & Chaos Engineering
- Building Learning Organizations

**Key DevOps Practices**

- Continuous Integration (CI) and Continuous Delivery (CD)
- Site Reliability & Resilience Engineering
- DevSecOps and ChatOps
- Kanban and Visual Workflow

**Business and Technology Frameworks**

- Integrating DevOps with **Agile, ITSM, Lean, and Safety Culture**
- Understanding Sociocracy, Holacracy, and Continuous Funding Models

**Culture, Behavior & Operating Models**

- Building a DevOps Culture of Trust and Experimentation
- Organizational Maturity Models and Target Operating Models

**Automation & DevOps Toolchains**

- Architecting CI/CD Pipelines
- Cloud, Containers, and Kubernetes
- Designing Effective DevOps Toolchains

**Measurement, Metrics & Reporting**

- The Role of Metrics in Continuous Improvement
- Technical vs. Business Metrics
- Reporting and Sharing Outcomes

**Sharing, Shadowing, and Evolving**

- Building Collaborative Learning Environments
- DevOps Leadership and Culture of Continuous Change

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## Certification Details

Passing the **DevOps Foundation Exam** (60 minutes, 40 multiple-choice questions, 65% passing score) earns you the **DevOps Foundation Certificate**, governed by the **DevOps Institute**.
Exams are **open-book** and **online-proctored**, with global recognition.

**Included Benefits:**

- Official **exam voucher** (redeemable post-course)
- Digital **learner manual** and **sample templates**
- Access to **DevOps communities and resources**
- Recognized **DevOps Foundation Certificate** (prerequisite for advanced DevOps courses)