DevOps® Implementation Boot Camp Training

Duration: **3 Day**

BİLGİNÇ IT Academy
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Overview

For decades, IT departments have faced deep disconnects between development, operations, and security teams.
The **3-Day DevOps Implementation Boot Camp** bridges these gaps using **real-world tools, automation frameworks, and cultural transformation techniques** to establish an efficient, collaborative, and agile IT ecosystem.

This program equips you with the knowledge to integrate **Continuous Integration, Continuous Delivery, Infrastructure as Code, and Containerization**, ensuring a sustainable and scalable DevOps culture in your organization.

Delivered by **ASPE (an ICAgile Member Organization)**, this course awards the **ICP-FDO certification**, one of ICAgile's Continuous Learning Certifications (CLCs) in the DevOps Track.
It provides a thorough understanding of DevOps principles, culture, automation, and operational excellence.

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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Who Should Attend

- CIOs, CTOs, and IT Executives
- DevOps Engineers and System Administrators
- Developers and Release Engineers
- Scrum Masters and Product Owners
- IT Project & Program Managers
- Configuration Managers and Operations Leads

What You Will Learn

- Implement **infrastructure automation** using tools like Chef, Puppet, Ansible, and Salt.
- Design and maintain **Continuous Integration and Delivery pipelines** (Jenkins, Maven).
- Map and visualize IT workflows to eliminate inefficiencies.
- Apply **Infrastructure as Code (IaC)** for agile operations.
- Integrate **security practices seamlessly** across IT processes.
- Build leadership engagement and long-term cultural transformation.
- Utilize telemetry and monitoring tools (Nagios, Splunk, Monit, PagerDuty).
- Adopt **containerization (Docker, Kubernetes)** and **microservices architectures**.
- Master **continuous feedback and learning systems** for sustained innovation.

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Outline

Day 1: Foundations and Cultural Evolution

- DevOps fundamentals and IT collaboration models
- The origins of DevOps: Lean, Toyota, Agile, and Continuous Delivery
- Understanding IT silos and business alignment
- Exercise: Identifying pain points in the IT lifecycle
- Building the business case for DevOps adoption
- Leadership involvement and organizational buy-in

Day 2: Automation and Continuous Flow

- Automate everything: from deployment to configuration management
- Value Stream Mapping (VSM) and flow optimization
- Jenkins, Maven, Git, Artifactory, and Nexus in CI/CD
- Testing frameworks: Selenium, Cucumber, SonarQube
- Security as Code and risk management
- Exercise: Creating your automation value stream

Day 3: Feedback, Monitoring, and Transformation

- Monitoring and alerting systems (Nagios, Monit, PagerDuty)
- Log aggregation and visualization (Splunk)
- Containerization (Docker, Kubernetes)
- Cloud platforms: AWS, Azure, GCP integration
- Postmortem practices and learning culture
- Establishing innovation-driven feedback systems
- Final Exercise: Building your DevOps transformation roadmap