

EXIN DevOps Professional



CATEGORY
DevOps



LEVEL
Advanced



DURATION
3 days

COURSE DELIVERY

Classroom or virtual Classroom

TARGET AUDIENCE

The EXIN DevOps Professional certification is designed for anyone working in a DevOps environment or considering a DevOps transition. It is relevant to a wide range of IT professionals, including :

- Software & website developers
- DevOps Engineers
- Product & service owners
- Project managers
- Testers
- IT support staff

PREREQUISITES

Completing the EXIN DevOps Foundation exam or possessing equivalent DevOps knowledge is recommended.

EXAM INFO

- 40 multiple-choice questions, closed book
- 65% pass mark
- 1 hour 30 mins duration

CERTIFICATE

EXIN DevOps Professional

EXAM BODY

EXIN

COURSE DESCRIPTION

DevOps is a set of best practices that emphasizes collaboration and communication of IT professionals in the lifecycle of applications and services. The **EXIN DevOps Professional** certification validates your expertise in DevOps principles and practices, enabling you to deliver reliable products and services rapidly. This certification explores DevOps practices, emphasizing collaboration among IT professionals, fostering:

- **Continuous integration:** Merging developed working copies to a shared mainline multiple times a day.
- **Continuous deployment:** Releasing continuously or as frequently as possible.
- **Continuous feedback:** Seeking stakeholder feedback throughout all lifecycle stages.

This transformative program, inspired by the Three Ways of DevOps, covers:

- **Flow:** Facilitating fast movement from Development to Operations to the customer.
- **Feedback:** Enabling rapid feedback from stakeholders back into the value stream.
- **Continual learning and experimentation:** Cultivating a high-trust culture of experimentation and risk-taking for continual learning.

The certification delves into security across all stages and ensures compliance during change. Uncover the impact of these principles on daily work in this comprehensive EXIN DevOps Professional program.



EXIN DevOps Professional



RELATED TRAINING

- EXIN DevOps Foundation
- EXIN DevOps Professional
- EXIN DevOps Master™
- DevOps & IT Service Management
- Agile Change Agent
- Change Management Foundation
- Change Management Practitioner
- EXIN Kanban Foundation
- AgilePM® Foundation
- AgilePM® Practitioner
- Agile Scrum Foundation
- Agile Scrum Master
- Agile Scrum Product Owner
- PRINCE2 Agile® Foundation
- PRINCE2 Agile® Practitioner

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COURSE AND LEARNING OBJECTIVES

At the end of this course, participants will be able to understand :

• DevOps Adoption

- Grasp basic DevOps concepts and distinguish the principles of flow, feedback, and continuous learning & experimentation.
- Understand the collaboration among DevOps roles, I/T/E-shape concepts, and integrating Operations into daily Development work.

• The First Way: Flow

- Learn techniques for deployment challenges, optimizing the value stream, assessing shared version control, and managing technical debt.
- Understand low-risk release patterns, architectural archetypes, and automation tools for building environments.

• The Second Way: Feedback

- Gain insights into telemetry, monitoring frameworks, and safety checks.
- Learn to solve deployment issues, adapt launch guidance, and apply feedback mechanisms like UX design, A/B-testing, and hypothesis-driven development.

• The Third Way: Continual Learning and Experimentation

- Explore Simian Army, postmortems, resilience through production failure injection, game days, and codified NFRs for Operations.
- Understand building reusable user stories, storing objects, and converting local discoveries into global improvements.

• Information Security and Change Management

- Integrate security controls, telemetry, and compliance into the deployment pipeline.
- Learn to maintain security during change and ensure compliance throughout.

EXIN DevOps Professional



EMPOWERING PROFESSIONALS

As MindMachine, we have trained more than 60,000 professionals over Asia and Oceania since 2001.

Our focus in our training is to empower our participants by balancing practical experience and the theoretical background. The participants walk away with knowledge to apply the learnings and the theoretical background to successfully pass the exam requirements.

Our education portfolio ranges from courses in business services and processes to IT services and processes. This portfolio has enabled us to support our clients end to end in their organizations and enable synergy throughout corporate value chains.

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COURSE STUDENT MATERIAL

Participants will receive EXIN DevOps Professional classroom workbook containing all of the presentation materials, course notes, case study and sample exams.

CONCEPTS COVERED

1. DevOps adoption

- Basic concepts of DevOps
- Principles of the Three Ways
- Organization

2. The First Way: flow

- Deployment pipeline
- Automated testing
- Continuous integration
- Low-risk releases

3. The Second Way: feedback

- Telemetry
- Feedback
- Hypothesis-driven development
- A/B-testing
- Review and coordination

4. The Third Way: continual learning and experimentation

- Learning
- Discoveries

5. Information security and change management

- Information security
- Change management



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