MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

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MICROSOFT AZURE DEVOPS ENGINEER (AZ-400)

"Master Azure DevOps Practices to Streamline Development and Deployment"

Schedule

Date	Venue	Duration	Fees (Face-to-Face)
16 – 20 Aug 2026	Riyadh, KSA	5 Days	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

In today's fast-paced IT environment, DevOps practices have become critical for accelerating software delivery, improving collaboration, and ensuring high-quality deployments. The Microsoft Azure DevOps Engineer (AZ-400) course provides participants with advanced knowledge and hands-on experience in designing and implementing DevOps strategies using Microsoft Azure.

This intensive 5-day training focuses on practical skills in continuous integration, continuous delivery, infrastructure as code, and monitoring, enabling participants to optimize development pipelines, automate processes, and enhance collaboration between development and operations teams.

Objectives

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

- Design and implement DevOps practices using Microsoft Azure.
- Plan and implement continuous integration (CI) and continuous delivery (CD) pipelines.
- Manage source control, infrastructure as code, and configuration management.
- Monitor and improve application performance using Azure monitoring tools.
- Apply DevOps principles to improve collaboration between development and operations teams.
- Prepare for the Microsoft AZ-400 certification exam.

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Why Attend

- Gain in-depth knowledge of Azure DevOps tools and practices.
- Learn hands-on skills to optimize CI/CD pipelines.
- Improve collaboration and efficiency between development and operations teams.
- Enhance career prospects with a globally recognized certification.
- Apply DevOps best practices to real-world projects and scenarios.

Target Audience

This program is designed for:

- DevOps engineers and IT professionals working in Azure environments
- Cloud architects and solution architects
- Application developers involved in CI/CD and automation
- IT managers and team leads responsible for DevOps initiatives
- Professionals preparing for the Microsoft AZ-400 certification exam

Individual Benefits

Key competencies that will be developed include:

- Mastery of Azure DevOps tools and services
- Skills in CI/CD pipeline design and implementation
- Ability to manage infrastructure as code and configuration automation
- Knowledge of monitoring, logging, and feedback mechanisms
- Enhanced collaboration and DevOps workflow optimization

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Efficient and automated software delivery pipelines
- Improved deployment quality and reduced operational errors
- Enhanced collaboration between development and operations teams
- Stronger alignment of DevOps practices with business objectives
- Increased productivity and faster time-to-market for software solutions

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Deep dive into Azure DevOps principles, services, and best practices
- Case Studies – Real-world examples of CI/CD implementation and DevOps success stories
- Workshops – Hands-on exercises in pipeline creation, automation, and monitoring
- Peer Exchange – Group discussions on challenges, lessons learned, and DevOps strategies
- Tools – Templates and Azure services for CI/CD, infrastructure as code, and application monitoring

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Introduction to Azure DevOps

Module 1: DevOps Concepts and Principles (07:30 – 09:30)

- Overview of DevOps culture and practices
- Key concepts in continuous integration and delivery

Module 2: Azure DevOps Architecture (09:45 – 11:15)

- Overview of Azure DevOps services
- Integrating DevOps with cloud infrastructure

Module 3: Source Control Management (11:30 – 01:00)

- Managing repositories, branching strategies, and version control

Module 4: Hands-on Setup (02:00 – 03:30)

- Creating Azure DevOps projects and environments

Day 2: Continuous Integration (CI)

Module 1: CI Pipeline Design (07:30 – 09:30)

- Building automated CI workflows
- Integration with build and testing tools

Module 2: Build and Test Automation (09:45 – 11:15)

- Automating builds and unit testing
- Managing pipeline dependencies

Module 3: Managing Artifacts (11:30 – 01:00)

- Artifact storage, versioning, and distribution

Module 4: Workshop: CI Implementation (02:00 – 03:30)

- Hands-on creation of CI pipelines in Azure

Day 3: Continuous Delivery (CD) and Release Management

Module 1: CD Pipeline Design (07:30 – 09:30)

- Deployment strategies and release management
- Environment and approval configurations

Module 2: Infrastructure as Code (09:45 – 11:15)

- Using ARM templates, Terraform, and configuration scripts

Module 3: Deployment Automation (11:30 – 01:00)

- Automated deployments to various environments

Module 4: Workshop: CD Implementation (02:00 – 03:30)

- Hands-on creation of CD pipelines and deployment strategies

Day 4: Monitoring, Feedback, and Security

Module 1: Monitoring and Logging (07:30 – 09:30)

- Application performance monitoring and log analytics
- Implementing feedback loops

Module 2: Security and Compliance (09:45 – 11:15)

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DevSecOps practices in Azure

- Compliance and governance considerations

Module 3: Advanced Pipelines and Scaling (11:30 – 01:00)

- Multi-stage pipelines and parallel execution

Module 4: Case Studies and Best Practices (02:00 – 03:30)

- Lessons learned from successful Azure DevOps implementations

Day 5: Practical Workshop and Exam Preparation
Module 1: Hands-on Workshop (07:30 – 09:30)

- Building end-to-end DevOps workflows in Azure

Module 2: Troubleshooting and Optimization (09:45 – 11:15)

- Debugging pipelines and optimizing performance

Module 3: Exam Preparation and Review (11:30 – 01:00)

- Key concepts and practice questions for AZ-400 certification

Module 4: Action Planning and Closing (02:00 – 03:30)

- Developing implementation plans for workplace application
- Summary, feedback, and next steps

Certification

Participants will receive a Certificate of Completion in Microsoft Azure DevOps Engineer (AZ-400), validating their expertise in designing, implementing, and managing DevOps practices and CI/CD pipelines in Azure environments.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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