

MICROSOFT DEVOPS ENGINEER EXPERT CERTIFICATION

AZ 400

As per International Standards



UNICHROME

Unichrone Training **Advantages**

- ✓ 4 Day Interactive Instructor –led Online/Classroom or Group Training
- ✓ Course study materials designed by subject matter experts
- ✓ Mock Tests to prepare in a best way
- ✓ Highly qualified, expert & accredited trainers with vast experience
- ✓ Enrich with Industry best practices and case studies and present trends
- ✓ End-to-end support via phone, mail, and chat
- ✓ Microsoft DevOps Engineer Expert Certificate Training Course adhered with International Standards
- ✓ Convenient Weekday/Weekend Microsoft DevOps Engineer Expert Training Course schedule



Importance of Microsoft DevOps Engineer Expert Certification

- ✓ Microsoft DevOps Engineer Expert Certification is mainly targeted to professionals interested in building a career in Microsoft Azure domain. This certification entitles professionals to configure processes and communications, design and implement source control, build and release pipelines, develop a security and compliance plan, and implement an instrumentation strategy. In addition, professionals need to take up the role of designing strategies for collaboration, security, compliance, continuous integration, testing, delivery, monitoring, and feedback. To acquire DevOps Engineer Expert Certification by Microsoft, professionals need to meet prerequisites and attempt AZ 400 Exam.

About Unichrone

✓ We are a professional training institute with an extensive portfolio of professional certification courses. Our training programs are meant for those who want to expand their horizons by acquiring professional certifications across the spectrum. We train small- and medium-sized organizations all around the world, including in USA, Canada, Australia, UK, Ireland and Germany.



Guaranteed Quality



Handpicked Trainers



Global Presence



Online Training Option

We've trained professionals across global companies



ELIGIBILITY CRITERIA

- ✓ Candidates for Microsoft DevOps Engineer Expert Certification must have experience with administering and developing in Azure, with strong skills in at least one of these areas. They should be familiar with both Azure DevOps and GitHub before taking up Microsoft DevOps Engineer Expert Training.

Why attend **Microsoft DevOps Engineer Expert Training**?

- ✓ Unichrone offers Microsoft DevOps Engineer Expert Training program for aspiring professionals globally. Professionals can choose their desired mode of training sessions while enrolling for the course. Upon completion of the course, candidates will be able to develop instrumentation and SRE strategies, security and compliance plan, manage source control, facilitate communication and collaboration, and implement continuous delivery for organizations. With a comprehensive understanding of these concepts, candidates can prepare for AZ 400 Exam and be certified as Microsoft DevOps Engineer Experts.

Microsoft DevOps Engineer Expert Certification Advantages



CERTIFIES
YOUR TALENT



HELPS
BUILDING
VALUES



GLOBAL
RECOGNITION



PERFECT
EXECUTION



MORE
EMPLOYABILITY
OPTIONS



BUILDS
CUSTOMER
LOYALTY

Syllabus of Microsoft DevOps Engineer Expert Training

Lesson 01 – Get started on a DevOps transformation journey

1.	Introduction to DevOps
2.	Choose the right project
3.	Describe team structures
4.	Choose the DevOps tools
5.	Plan Agile with GitHub Projects and Azure Boards
6.	Introduction to source control
7.	Describe types of source control systems
8.	Work with Azure Repos and GitHub

Lesson 02 – Development for enterprise DevOps

1.	Structure your Git Repo
2.	Manage Git branches and workflows
3.	Collaborate with pull requests in Azure Repos
4.	Identify technical debt
5.	Explore Git hooks
6.	Plan foster inner source
7.	Manage Git repositories

Syllabus of Microsoft DevOps Engineer Expert Training

Lesson 03 – Implement CI with Azure Pipelines and GitHub Actions

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| 1. | Explore Azure Pipelines |
| 2. | Manage Azure Pipeline agents and pools |
| 3. | Describe pipelines and concurrency |
| 4. | Explore continuous integration |
| 5. | Implement a pipeline strategy |
| 6. | Integrate with Azure Pipelines |
| 7. | Introduction to GitHub Actions |
| 8. | Learn continuous integration with GitHub Actions |
| 9. | Design a container build strategy |

Lesson 04 – Design and implement a release strategy

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| 1. | Introduction to continuous delivery |
| 2. | Create a release pipeline |
| 3. | Explore release recommendations |
| 4. | Provision and test environments |
| 5. | Manage and modularize tasks and templates |
| 6. | Automate inspection of health |

Syllabus of Microsoft DevOps Engineer Expert Training

Lesson 05 – Implement a secure continuous deployment using Azure Pipelines

1.	Introduction to deployment patterns
2.	Implement blue-green deployment and feature toggles
3.	Implement canary releases and dark launching
4.	Implement A/B testing and progressive exposure deployment
5.	Integrate with identity management systems
6.	Manage application configuration data

Lesson 06 – Manage infrastructure as code using Azure and DSC

1.	Explore infrastructure as code and configuration management
2.	Create Azure resources using Azure Resource Manager templates
3.	Create Azure resources by using Azure CLI
4.	Explore Azure Automation with DevOps
5.	Implement Desired State Configuration (DSC)
6.	Implement Bicep

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Lesson 07 – Design and implement a dependency management strategy

1. Explore package dependencies
2. Understand package management
3. Migrate consolidating and secure artifacts
4. Implement a versioning strategy
5. Introduction to GitHub Packages

Lesson 08 – Implement continuous feedback

1. Implement tools to track usage and flow
2. Develop monitor and status dashboards
3. Share knowledge within teams
4. Design processes to automate application analytics
5. Manage alerts, blameless retrospectives and a just culture

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Lesson 09 – Implement security and validate code bases for compliance

1.	Introduction to Secure DevOps
2.	Implement open-source software
3.	Software Composition Analysis
4.	Static analyzers
5.	OWASP and Dynamic Analyzers
6.	Security Monitoring and Governance

Format of Exam AZ 400: Microsoft DevOps Engineer Expert

Examination Format	
Exam Name	AZ 400: Microsoft DevOps Engineer Expert Exam
Exam Format	Multiple-choice and Scenario-based questions
Total Questions & Duration	40-60 Questions, 120 minutes
Passing Score	700/1000
Exam Cost	USD 165

To get you fully prepared with the knowledge and skills for the AZ 400 Examination, a training session at Unichrone gives immense importance to mock questions at the end of every module and problem-solving exercises within the session.

Prepared by highly qualified faculty, the practice tests are a true simulation of Microsoft DevOps Engineer Expert

Certification Examination

Contact Us

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<https://unichrone.com/>

