MICROSOFT TRAINING

AZ-400T00-A: Designing and Implementing Microsoft DevOps Solutions

Design and implement Microsoft DevOps solutions. Prepare for your AZ-400 certification and streamline software delivery.

DURATION
2 hours

LEVEL
Advanced

FORMAT
Instructor-Led

- Globally Recognized Certification
- Expert-Led Hands-On Training
- Flexible Scheduling

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COURSE OVERVIEW

This advanced AZ-400T00-A course offers a highly focused and intensive 2-hour deep dive into designing and implementing Microsoft DevOps solutions within the Azure ecosystem. Tailored for IT professionals, this session provides a strategic overview and practical insights into integrating DevOps principles to enhance software delivery. You will explore critical areas such as establishing robust version control with Git and Azure Repos, architecting continuous integration (CI) and continuous delivery (CD) pipelines using Azure Pipelines, and understanding the role of infrastructure as code (IaC) in modern deployments.By completing this course, participants will gain a clear understanding of how to leverage Azure DevOps Services to streamline development workflows, automate critical stages of the software lifecycle, and foster greater collaboration between development and operations teams. The course emphasizes practical strategies for building efficient, repeatable, and scalable solutions, covering key aspects like release management, fundamental monitoring integration, and foundational DevSecOps considerations.This intensive course is an ideal accelerator for those preparing for the full Microsoft Certified: Azure DevOps Engineer Expert certification, providing a powerful conceptual and practical foundation in a concentrated format. It equips you with the essential architectural mindset and implementation techniques required to drive significant improvements in your organization's software development and deployment processes on Azure.

Duration	2 hours
Level	Advanced
Vendor	Microsoft
Exam Code	AZ-400

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Introduction to Azure DevOps & Version Control

- Understanding DevOps principles and culture
- Introduction to Azure DevOps Services
- Implementing Git with Azure Repos
- Basic branching strategies and pull request workflows

02 Module 2: Designing & Implementing CI/CD Pipelines

- Introduction to Azure Pipelines (YAML syntax)
- Designing continuous integration (CI) pipelines for builds and tests
- Configuring package management and dependency scanning
- Designing continuous delivery (CD) pipelines for deployments

03 Module 3: Enabling Infrastructure as Code & Monitoring

- Overview of Infrastructure as Code (IaC) principles
- Introduction to ARM Templates and Bicep for Azure resource deployment

- Integrating IaC into CI/CD pipelines
- Basic principles of monitoring and feedback loops with Azure Monitor and Application Insights
- Foundational DevSecOps considerations within pipelines

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

> **Azure DevOps Engineer**

> **Cloud Release Manager (specializing in Azure deployments)**

> **Solutions Architect (with a DevOps implementation focus)**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for taking the AZ-400T00-A course, especially for someone new to Azure or DevOps?

While this is an advanced course, it's highly beneficial to have foundational knowledge of Azure services (like those covered in AZ-900 or AZ-104) and a basic understanding of software development lifecycle concepts. Prior experience with version control systems (like Git) and scripting (e.g., PowerShell, Bash, Python) will significantly enhance your learning experience and ability to grasp complex topics covered in this intensive session.

Q: How does completing this AZ-400T00-A course directly translate into practical skills for implementing DevOps solutions in an enterprise environment?

This course provides practical, hands-on exposure to critical Azure DevOps Services tools and methodologies. You will learn to design and understand the implementation of CI/CD pipelines, manage infrastructure as code, and integrate security and monitoring. These skills are directly applicable to transforming an organization's software delivery process, enabling you to build, test, and deploy applications faster, more reliably, and with higher quality in a real-world enterprise setting.

Q: Does this 2-hour course fully prepare me for the Microsoft Certified: Azure DevOps Engineer Expert certification exam (AZ-400)?

This 2-hour AZ-400T00-A course serves as an intensive and high-level introduction to designing and implementing Microsoft DevOps Solutions, covering core concepts and strategic approaches outlined in the AZ-400 exam blueprint. While it provides a crucial foundational understanding and highlights key technologies, it is designed as a focused overview rather than a comprehensive exam preparation program. For full certification readiness, Computer Pride recommends this course as a strong starting point, followed by more extensive self-study, hands-on labs, and practical project application to master all the required domains for the AZ-400 exam.

ABOUT COMPUTER PRIDE

East Africa's Premier IT Training Center

computerpride

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+	10,000+	50+
Years of Excellence	Professionals Trained	Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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