



MICROSOFT TRAINING

AZ-400: Designing and Implementing Microsoft DevOps Solutions — Practice Questions

Master Microsoft DevOps solutions for AZ-400 certification. Implement CI/CD, release management, and infrastructure as code.

DURATION

32 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intensive 32-hour 'AZ-400: Designing and Implementing Microsoft DevOps Solutions — Practice Questions' course is expertly crafted to solidify your understanding and sharpen your exam-taking skills for the crucial Microsoft Azure DevOps Engineer Expert certification. It delves deep into the core principles and practices of DevOps within the Microsoft Azure ecosystem, covering everything from implementing version control and continuous integration to continuous delivery, release management, and infrastructure as code. Through a series of carefully curated practice questions and detailed explanations, you'll gain practical insights into designing and implementing scalable, secure, and reliable DevOps solutions. You will master the art of applying DevOps principles across various Azure services, including Azure Repos, Azure Pipelines, Azure Boards, Azure Artifacts, and Azure Test Plans. The curriculum focuses on identifying your knowledge gaps, reinforcing complex topics, and familiarizing you with the exam format and question types. This course is not just about passing an exam; it's about building a robust skill set that enables you to drive efficient software delivery and operational excellence in any organization leveraging Azure.

Duration	32 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-400

COURSE CURRICULUM

01 Module 1: Implementing DevOps Instrumentation & Security Review

- Reviewing strategies for implementing logging and monitoring solutions (Azure Monitor, Application Insights)
- Practicing implementation of alert and action management
- Understanding and applying security best practices in Azure DevOps pipelines
- Managing secrets with Azure Key Vault in CI/CD
- Reviewing compliance policies and governance in DevOps

02 Module 2: Advanced Continuous Integration (CI) Practices

- Designing and implementing advanced build strategies (multi-stage pipelines, templates)
- Practicing integration of code quality and security tools (SonarQube, WhiteSource Bolt)
- Managing build agents and agent pools (self-hosted vs. Microsoft-hosted)
- Implementing effective branching strategies and pull request workflows
- Practice questions on dependency management (NuGet, npm, Maven feeds in Azure Artifacts)

03 Module 3: Designing & Implementing Continuous Delivery (CD) and Release Strategies

- Reviewing and practicing deployment patterns (blue/green, canary, rolling, feature flags)
- Implementing release gates, approvals, and manual interventions
- Designing and managing complex release pipelines in Azure Pipelines
- Practicing deployment to various environments (VMs, App Services, Kubernetes)
- Examining strategies for managing database changes in CD

04 Module 4: Infrastructure as Code (IaC) and Site Reliability Engineering (SRE) Concepts

- Implementing and reviewing Infrastructure as Code (IaC) using ARM templates, Bicep, and Terraform
- Practicing configuration management with Desired State Configuration (DSC) or Ansible
- Reviewing SRE principles and practices in an Azure context
- Implementing error budgeting and blameless postmortems

- Understanding and applying chaos engineering principles

05 Module 5: Comprehensive AZ-400 Exam Simulation and Review

- Full-length AZ-400 simulated exams under timed conditions
- Detailed review of incorrect answers with in-depth explanations
- Identifying personal knowledge gaps across all exam domains
- Strategies for managing time and tricky questions during the actual exam
- Final tips and tricks for success on the Microsoft AZ-400 certification

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure DevOps Engineer**
- > **DevOps Architect specializing in Microsoft Azure**
- > **Release Manager / CI/CD Specialist**

FREQUENTLY ASKED QUESTIONS

Q: How does this 'Practice Questions' course enhance my preparation beyond a standard AZ-400 training course?

This course is specifically designed to complement your existing knowledge or prior training by providing extensive, targeted practice. Unlike a general training course that introduces concepts, this module focuses on applying those concepts through challenging, exam-style questions. It helps you identify specific areas where your understanding is weak, refine your problem-solving skills, and build confidence by simulating the actual exam experience with detailed answer explanations for every question.

Q: What level of prior experience with Azure and DevOps is recommended before enrolling in this AZ-400 Practice Questions course?

While this course is centered on practice questions, a foundational understanding of Azure services and DevOps principles is highly recommended. Ideal candidates should have experience with version control (Git), familiarity with Azure DevOps services (Repos, Pipelines), and a basic grasp of CI/CD concepts. This course is best suited for individuals who have already completed foundational AZ-400 learning or have practical experience in an Azure DevOps environment and are now looking to solidify their exam readiness.

Q: Will this course provide insights into the specific types of questions and scenarios I can expect on the actual AZ-400 certification exam?

Absolutely. This 'Practice Questions' course is meticulously designed to mirror the structure, difficulty, and question formats of the official AZ-400 certification exam. You will encounter various question types, including multiple-choice, drag-and-drop, case studies, and scenario-based questions that test your ability to apply DevOps solutions in real-world Azure environments. Each question is crafted to align with the latest Microsoft exam objectives, ensuring you are well-prepared for the types of challenges you'll face on exam day.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

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+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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