



MICROSOFT TRAINING

AZ-040: Automating Administration with PowerShell — Practice Questions

Master PowerShell for Azure automation. Prepare to ace your AZ-040 exam with targeted practice questions and in-depth concept review.

DURATION

2 Hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This course, "AZ-040: Automating Administration with PowerShell — Practice Questions," is meticulously designed for IT professionals aiming to master the art of automating administrative tasks within Microsoft Azure using PowerShell. It provides a robust collection of practice questions that mirror the structure and complexity of the actual Microsoft certification exam, ensuring you are thoroughly prepared. You will delve into core PowerShell cmdlets for Azure resource management, Active Directory operations, storage, networking, and advanced automation techniques, gaining hands-on simulated experience essential for real-world application.

By engaging with these practice questions, you will not only solidify your theoretical understanding but also sharpen your problem-solving skills in an Azure context. This course is invaluable for those looking to boost efficiency, reduce manual errors, and scale operations within their cloud infrastructure. Successful completion will empower you to implement sophisticated automation scripts, streamlining day-to-day administrative burdens and contributing significantly to your organization's operational excellence.

Ultimately, this certification preparation course positions you as a highly competent Azure administrator capable of leveraging PowerShell to its full potential, a critical skill set in today's cloud-centric IT landscape. It's an essential stepping stone for anyone looking to validate their expertise in Azure automation and unlock advanced career opportunities.

Duration	2 Hours
Level	Intermediate
Vendor	Microsoft
Exam Code	AZ-040

COURSE CURRICULUM

01 Module 1: Managing Azure Resources with PowerShell

- Connecting to Azure via Az PowerShell module
- Managing Azure Resource Groups and Subscriptions
- Creating and configuring Azure Virtual Machines (VMs)
- Deploying and managing Azure App Services
- Working with Azure Network Watcher and monitoring tools

02 Module 2: Automating Azure Active Directory Administration

- Managing Azure AD users, groups, and roles
- Implementing conditional access policies with PowerShell
- Configuring multi-factor authentication (MFA)
- Managing Azure AD identity protection settings
- Synchronizing on-premises AD with Azure AD Connect

03 Module 3: Advanced PowerShell for Azure Automation

- Creating and scheduling Azure Automation runbooks
- Managing credentials and variables in Azure Automation
- Implementing Desired State Configuration (DSC) in Azure
- Working with Azure Key Vault for secret management
- Integrating PowerShell with Azure Logic Apps and Functions

04 Module 4: Managing Azure Storage and Networking with PowerShell

- Configuring Azure Storage Accounts (Blob, File, Queue, Table)
- Managing Storage Account access keys and shared access signatures (SAS)
- Creating and configuring Azure Virtual Networks (VNETs) and subnets
- Implementing Network Security Groups (NSGs) and Application Security Groups (ASGs)
- Managing Azure Load Balancers and Application Gateways

05 Module 5: Security and Compliance Automation

- Auditing Azure resources with PowerShell
- Implementing Azure Policy definitions and assignments
- Managing Azure Security Center recommendations
- Configuring Just-In-Time (JIT) VM access
- Automating resource tagging for cost management and compliance

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Azure Administrator (focused on automation)**
- > **Cloud Automation Engineer**
- > **DevOps Engineer (Azure Specialist)**

FREQUENTLY ASKED QUESTIONS

Q: What level of prior PowerShell and Azure experience is recommended before attempting the AZ-040 practice questions?

This practice questions course is ideal for individuals who have foundational knowledge of both PowerShell scripting and Azure administration concepts. While not strictly mandatory, having some practical experience with basic Azure resource deployment and fundamental PowerShell cmdlets will significantly enhance your learning experience and prepare you better for the complex scenarios presented in the questions.

Q: How does this 'Practice Questions' course specifically help me prepare for the actual AZ-040 certification exam, beyond just knowing the content?

This course goes beyond content review by simulating the exam experience. It familiarizes you with the question formats, time constraints, and critical thinking required to pass the AZ-040 exam. By working through these practice questions, you'll identify areas where your knowledge is weaker, learn to interpret complex scenarios, and develop strategies for efficient problem-solving under pressure, all crucial for certification success.

Q: What core practical skills will I master by completing this AZ-040 practice questions course, which I can immediately apply in a professional setting?

Upon completing this course, you will master the ability to write and execute robust PowerShell scripts for automating a wide range of Azure administrative tasks, including VM provisioning, user management in Azure AD, storage configuration, and network security. You'll gain proficiency in using the Az PowerShell module effectively and understand how to leverage advanced features like Azure Automation and DSC to streamline cloud operations and enforce consistent configurations across your Azure environment.

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+

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READY TO ENROL?

Take the next step in your technology career.

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