

az 900 exam objectives

AZ-900 Exam Objectives are essential for anyone looking to gain foundational knowledge in Microsoft Azure. The AZ-900 exam, also known as the Microsoft Certified: Azure Fundamentals certification, is designed for individuals who are new to Azure. It covers a wide range of topics, including cloud concepts, core Azure services, security, compliance, pricing, and support. This article will delve into the key objectives of the AZ-900 exam, providing a comprehensive overview that can help you prepare effectively.

Understanding the AZ-900 Exam

The AZ-900 exam is an entry-level certification that validates your understanding of cloud services and how those services are provided with Microsoft Azure. This certification is ideal for individuals in technical and non-technical roles who want to demonstrate their knowledge of Azure fundamentals.

Who Should Take the AZ-900 Exam?

The AZ-900 exam is suitable for:

- IT professionals who wish to validate their foundational knowledge of Azure.
- Business stakeholders who want to understand cloud computing concepts.
- Students or new graduates looking to kickstart their careers in cloud computing.
- Sales and marketing professionals who need to understand Azure services.

Benefits of Passing the AZ-900 Exam

Earning the Azure Fundamentals certification can lead to several advantages:

1. Career Opportunities: It opens doors for various roles in the IT industry.
2. Foundation for Advanced Certifications: It serves as a stepping stone for more advanced Azure certifications.
3. Recognition: It demonstrates your commitment to learning about cloud computing.

AZ-900 Exam Objectives Breakdown

The AZ-900 exam is structured around six main objectives, each covering specific topics related to Azure. Below is a breakdown of these objectives:

1. Cloud Concepts (15-20%)

This section focuses on understanding the basic concepts of cloud computing and its benefits. Key areas include:

- Cloud Computing Models:
 - Public Cloud
 - Private Cloud
 - Hybrid Cloud
- Benefits of Cloud Computing:
 - Scalability
 - Cost Efficiency
 - Performance
 - Security
 - Reliability
- Types of Cloud Services:
 - Infrastructure as a Service (IaaS)
 - Platform as a Service (PaaS)
 - Software as a Service (SaaS)

2. Core Azure Services (30-35%)

This objective highlights the key services offered by Microsoft Azure. It covers:

- Core Azure Services:
 - Azure Compute Services (e.g., Virtual Machines, Azure Functions)
 - Azure Storage Services (e.g., Blob Storage, Azure Files)
 - Azure Networking Services (e.g., Virtual Network, Azure VPN Gateway)
- Azure Solutions:
 - Internet of Things (IoT)
 - Machine Learning
 - Azure DevOps
- Azure Management Tools:
 - Azure Portal
 - Azure PowerShell
 - Azure CLI

3. Security, Compliance, and Privacy (10-15%)

Understanding security and compliance in Azure is crucial. This section includes:

- Azure Security Features:

- Azure Security Center
- Azure Sentinel
- Role-Based Access Control (RBAC)
- Compliance:
 - Understanding Azure compliance offerings
 - Compliance with regulations (GDPR, HIPAA, etc.)
- Data Privacy:
 - Data residency
 - Data protection measures

4. Azure Pricing, SLA, and Lifecycle (10-15%)

This objective emphasizes the financial aspects of Azure services. Key points include:

- Azure Pricing:
 - Understanding the pricing calculator
 - Estimating costs for Azure services
- Service Level Agreements (SLAs):
 - What SLAs are and how they affect service availability
 - Understanding Azure SLAs for various services
- Azure Lifecycle:
 - Lifecycle of Azure services
 - Understanding service deprecation and retirement

5. Azure Support and Service Lifecycle (10-15%)

This section covers the support options available for Azure users, including:

- Support Plans:
 - Overview of Azure support plans (Basic, Developer, Standard, Professional Direct)
- Azure Resources:
 - Microsoft Learn
 - Azure Documentation
 - Community support and forums
- Service Lifecycle:
 - Understanding the process of service updates and maintenance

6. Azure Management Tools (10-15%)

Finally, this objective highlights the tools that help users manage and optimize their Azure resources. Key tools include:

- Azure Portal: A web-based application for managing Azure resources.
- Azure PowerShell: A scripting language for automating Azure tasks.
- Azure CLI: A command-line tool for managing Azure resources.

Preparing for the AZ-900 Exam

Preparation is key to passing the AZ-900 exam. Here are some effective strategies:

1. Use Official Microsoft Resources

- Microsoft Learn: Free online learning paths tailored for the AZ-900 exam.
- Documentation: Familiarize yourself with Azure services by reading the official Azure documentation.

2. Practice with Sample Questions

Utilize practice exams and sample questions to assess your knowledge and identify areas for improvement.

3. Join Study Groups or Online Forums

Engage with peers who are also preparing for the exam. Online forums and study groups can provide support and valuable resources.

4. Take Online Courses

Consider enrolling in online courses that cover the AZ-900 exam objectives. Platforms like Coursera, Udemy, and LinkedIn Learning offer courses designed specifically for this certification.

Conclusion

In conclusion, understanding the **AZ-900 exam objectives** is crucial for anyone looking to achieve the Microsoft Certified: Azure Fundamentals certification. By grasping the fundamental concepts of cloud computing, core Azure services, security, compliance, and pricing, you'll be well-prepared to take the exam and advance your career in cloud technology. With the right resources and study strategies, you can confidently approach the AZ-900 exam and pave the way for future success in the world of Azure.

Frequently Asked Questions

What are the key domains covered in the AZ-900 exam?

The AZ-900 exam covers four key domains: Cloud Concepts, Core Azure Services, Security, Compliance, and Trust, and Azure Pricing, SLA, and Lifecycle.

How does the AZ-900 exam assess knowledge of Azure services?

The AZ-900 exam assesses knowledge of Azure services through multiple-choice questions that test understanding of the core services offered by Azure, including compute, networking, storage, and databases.

What is the importance of understanding Azure pricing and support plans for the AZ-900 exam?

Understanding Azure pricing and support plans is crucial for the AZ-900 exam as it helps candidates comprehend cost management, budgeting for Azure resources, and the various support options available to users.

Can you provide an example of a key concept related to Azure security in the AZ-900 exam?

A key concept related to Azure security in the AZ-900 exam is the Shared Responsibility Model, which outlines the security responsibilities of both Microsoft and the customer in managing cloud resources.

What resources are recommended for preparing for the AZ-900 exam?

Recommended resources for preparing for the AZ-900 exam include the official Microsoft Learn platform, online courses, practice tests, and study guides that focus on the exam objectives.

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