

# az 900 exam study guide

## AZ-900 Exam Study Guide

The AZ-900 exam, officially known as "Microsoft Azure Fundamentals," is designed for individuals who want to demonstrate foundational knowledge of cloud services and how those services are provided with Microsoft Azure. Passing this exam is an excellent way to validate your understanding of basic cloud concepts and Azure services, making it a perfect starting point for a career in cloud computing. This comprehensive study guide will cover the key topics, recommended study resources, and exam tips to help you succeed in the AZ-900 exam.

## Understanding the AZ-900 Exam

The AZ-900 exam is intended for candidates who have a general understanding of IT and cloud concepts but do not necessarily have technical experience with Microsoft Azure. The exam assesses your knowledge across several domains, including:

- Cloud Concepts: Understanding cloud computing and its advantages.
- Core Azure Services: Familiarity with the core services provided by Azure.
- Security, Privacy, Compliance, and Trust: Awareness of Azure's security and compliance offerings.
- Azure Pricing, SLA, and Lifecycle: Understanding Azure pricing models and service-level agreements.

## Exam Format

- Number of Questions: Approximately 40-60 questions.
- Question Types: Multiple choice, true/false, and case studies.
- Duration: 85 minutes.
- Passing Score: Microsoft does not publish a specific passing score, but it is generally estimated to be around 700 out of 1000.

## Key Topics to Study

To prepare effectively for the AZ-900 exam, it is essential to focus on the key topics outlined in the official exam guide. Below are the main subject areas:

### 1. Cloud Concepts (15-20%)

- Definition of Cloud Computing: Understand what cloud computing is and its various service models (IaaS, PaaS, SaaS).
- Benefits of Cloud Computing: Familiarize yourself with the advantages of cloud computing, including scalability, elasticity, and cost-effectiveness.

- Types of Cloud Models: Learn about public, private, and hybrid cloud models.

## **2. Core Azure Services (30-35%)**

- Core Azure Architectural Components: Gain knowledge of regions, availability zones, resource groups, and subscriptions.
- Azure Compute Services: Study services like Azure Virtual Machines, Azure App Services, and Azure Functions.
- Azure Storage Services: Understand the various storage options, including Blob Storage, Azure Files, and Azure Disk Storage.
- Azure Networking Services: Learn about Azure Virtual Network, VPN Gateway, and Azure CDN.

## **3. Security, Privacy, Compliance, and Trust (25-30%)**

- Azure Security Tools: Familiarize yourself with Azure Security Center, Azure Sentinel, and Azure Active Directory.
- Compliance Offerings: Understand Azure's compliance certifications and regulatory standards.
- Data Protection: Learn about encryption, identity management, and access control.

## **4. Azure Pricing, SLA, and Lifecycle (20-25%)**

- Azure Pricing Calculator: Know how to use the pricing calculator to estimate costs.
- Service Level Agreements (SLAs): Understand what SLAs are, how they work, and what Azure offers.
- Azure Cost Management: Learn about managing and optimizing Azure costs.

## **Recommended Study Resources**

Preparing for the AZ-900 exam requires a well-rounded approach, including various study materials. Here are some recommended resources:

### **1. Official Microsoft Learning Paths**

- Microsoft provides free online learning paths that cover all topics included in the AZ-900 exam. These structured modules are an excellent way to build your knowledge progressively.

### **2. Books and Study Guides**

- Microsoft Azure Fundamentals Certification and Beyond: This book provides an overview of Azure services and detailed explanations of core concepts.

- Exam Ref AZ-900 Microsoft Azure Fundamentals: A focused study guide that covers all exam objectives with practice questions.

### **3. Online Courses and Videos**

- Platforms like Coursera, Udemy, and Pluralsight offer AZ-900-specific courses taught by experienced instructors.
- YouTube also has numerous free video resources from various creators that delve into Azure fundamentals.

### **4. Practice Tests**

- Taking practice exams is crucial to assess your readiness. Websites like MeasureUp and Whizlabs offer practice tests that simulate the real exam environment.

## **Study Tips for the AZ-900 Exam**

To maximize your chances of passing the AZ-900 exam, consider the following study tips:

1. **Create a Study Schedule:** Allocate specific time blocks for studying each topic to ensure comprehensive coverage.
2. **Engage in Hands-On Practice:** Set up a free Azure account to explore the Azure portal and familiarize yourself with the services.
3. **Join Study Groups:** Engage with others preparing for the exam. Online forums and social media groups can provide support and additional resources.
4. **Review Regularly:** Regularly revisit the topics you've studied to reinforce your understanding and retention.
5. **Stay Updated:** Azure services and features are continually updated. Make sure to check Microsoft's official blog or Azure updates page for the latest information.

## **Final Thoughts**

The AZ-900 exam is an excellent gateway into the world of cloud computing and Microsoft Azure. By understanding the exam structure, focusing on the key topics, utilizing recommended resources, and following effective study tips, you can enhance your preparation and increase your chances of success. Remember, the goal is not just to pass the exam but to gain a solid understanding of cloud concepts and Azure services that will benefit your career in the long run. Good luck with your studies and your journey into the cloud!

# Frequently Asked Questions

## What is the AZ-900 exam?

The AZ-900 exam, also known as Microsoft Azure Fundamentals, is an entry-level certification exam that assesses knowledge of basic cloud concepts, Azure services, Azure pricing, SLA, and lifecycle, as well as governance and compliance.

## What topics are covered in the AZ-900 exam?

The AZ-900 exam covers topics such as cloud concepts, core Azure services, security, compliance, privacy, Azure pricing, and support.

## What is the recommended study duration for the AZ-900 exam?

It is generally recommended to study for 2-4 weeks, dedicating several hours each week to cover the exam topics thoroughly.

## Are there any prerequisites for taking the AZ-900 exam?

No, there are no prerequisites for the AZ-900 exam, making it suitable for beginners and those new to Azure.

## What resources can I use to study for the AZ-900 exam?

Recommended resources include Microsoft Learn, online courses (like those on Udemy or Coursera), practice exams, and study guides specifically designed for the AZ-900.

## How many questions are on the AZ-900 exam?

The AZ-900 exam typically consists of 40-60 questions, which may include multiple-choice, true/false, and case studies.

## What is the passing score for the AZ-900 exam?

The passing score for the AZ-900 exam is 700 out of 1000.

## Is it possible to take the AZ-900 exam online?

Yes, the AZ-900 exam can be taken online through remote proctoring or at a test center.

## What is the validity period of the AZ-900 certification?

The AZ-900 certification does not expire, but it is recommended to stay updated with Azure changes and advancements.

## What are some tips for passing the AZ-900 exam?

Some tips include understanding the exam objectives, taking practice tests, utilizing hands-on labs, and reviewing the official Microsoft documentation.

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