

microsoft azure fundamentals az 900 exam questions and answers

Microsoft Azure Fundamentals AZ-900 Exam Questions and Answers are essential for anyone looking to validate their foundational knowledge of cloud services and how those services are provided with Microsoft Azure. The AZ-900 exam is designed for individuals who are new to Azure and cloud computing, offering a comprehensive overview of core concepts, services, and the principles of cloud computing. This article will explore various topics related to the AZ-900 exam, including key concepts, types of questions you might encounter, and tips for preparation.

Understanding the AZ-900 Exam

The Microsoft Azure Fundamentals AZ-900 exam assesses an individual's understanding of cloud concepts, Azure services, security, privacy, compliance, and pricing. Passing this exam demonstrates your knowledge of basic cloud concepts and Azure services, making it an excellent starting point for those seeking a career in cloud computing.

Exam Objectives

The AZ-900 exam covers several key areas, which include:

1. Cloud Concepts (15-20%)
 - Understanding cloud computing principles.
 - Benefits of cloud computing.
 - Types of cloud models (public, private, hybrid).
 - Types of cloud services (IaaS, PaaS, SaaS).
2. Core Azure Services (30-35%)
 - Overview of Azure services.
 - Understanding Azure core products and solutions.
 - Azure regions and availability zones.
 - Azure resource management.
3. Security, Privacy, Compliance, and Trust (25-30%)
 - Understanding Azure security features.
 - Azure governance methodologies.
 - Compliance offerings.
 - Privacy and data protection.
4. Azure Pricing, SLA, and Lifecycle (20-25%)
 - Understanding Azure pricing and support plans.
 - Service Level Agreements (SLAs).
 - Understanding the Azure management lifecycle.

Types of Questions in the AZ-900 Exam

The AZ-900 exam consists of multiple-choice questions, case studies, and drag-and-drop questions. Here are some common types of questions you might encounter:

Multiple-Choice Questions

These questions typically present a statement or scenario followed by several options. For example:

Question: Which of the following is a benefit of cloud computing?

- A) Increased hardware costs
- B) High availability
- C) Limited accessibility
- D) Increased maintenance

Answer: B) High availability

True or False Questions

These questions require you to determine the validity of a statement. For example:

Statement: Azure offers only public cloud services.

Answer: False. Azure provides public, private, and hybrid cloud options.

Case Study Questions

Case studies present a scenario where you must apply your knowledge to solve a problem. These questions often require critical thinking and a deeper understanding of Azure services.

Example: A company wants to move its on-premises application to Azure to benefit from high availability and scalability. Which Azure services should they consider?

Answer: Consider Azure App Service for web applications, Azure SQL Database for database services, and Azure Virtual Machines for virtualized environments.

Drag-and-Drop Questions

These questions ask you to match terms or concepts. For example:

Task: Match the Azure service with its definition.

- A) Azure Functions
- B) Azure Blob Storage
- C) Azure Virtual Machine
- D) Azure Cosmos DB

Definitions:

1. A NoSQL database service.
2. A serverless compute service.
3. Object storage solution for unstructured data.
4. A platform for running virtualized workloads.

Answers:

- A2
- B3
- C4
- D1

Key Concepts to Review

To prepare for the AZ-900 exam, it's essential to understand some key concepts and terminology related to Microsoft Azure.

Cloud Computing Models

- Public Cloud: Services offered over the internet to anyone who wants to purchase them (e.g., Microsoft Azure).
- Private Cloud: Cloud infrastructure operated solely for a single organization, either managed internally or by a third party.
- Hybrid Cloud: A combination of public and private cloud, allowing data and applications to be shared between them.

Core Azure Services

1. Azure Compute Services:

- Azure Virtual Machines
- Azure App Services
- Azure Kubernetes Service

2. Azure Storage Services:

- Azure Blob Storage
- Azure File Storage
- Azure Table Storage

3. Azure Networking Services:

- Azure Virtual Network

- Azure Load Balancer
- Azure VPN Gateway

Security and Compliance

- Azure Security Center: A unified infrastructure security management system that enhances the security posture.
- Azure Active Directory: A cloud-based identity and access management service.
- Compliance Offerings: Azure complies with various standards including ISO 27001, HIPAA, and GDPR.

Preparation Tips for the AZ-900 Exam

Preparing for the AZ-900 exam can be streamlined with the right approach. Here are some tips:

1. Review Official Microsoft Learning Paths:

- Microsoft offers free learning paths that cover all exam objectives. Review these resources thoroughly.

2. Take Practice Exams:

- Use practice exams to familiarize yourself with the question format and timing.

3. Hands-on Experience:

- Utilize the Azure free tier to gain hands-on experience with Azure services. Practical knowledge will enhance your understanding.

4. Join Study Groups:

- Engage with online communities or local study groups to share knowledge and resources.

5. Use Exam Prep Books and Resources:

- There are many books and online courses specifically designed for the AZ-900 exam. Consider investing in one that fits your learning style.

Conclusion

The Microsoft Azure Fundamentals AZ-900 Exam Questions and Answers provide a roadmap to successfully passing the AZ-900 exam. By understanding the exam objectives, familiarizing yourself with the types of questions, and utilizing effective study strategies, you can build a solid foundation in Azure and cloud computing. Whether you are looking to advance your career or simply validate your knowledge, the AZ-900 exam is an excellent starting point in your cloud journey. Remember to stay updated with Azure's evolving features and services, as cloud technology continues to advance rapidly.

Frequently Asked Questions

What is the purpose of the Azure Fundamentals AZ-900 exam?

The Azure Fundamentals AZ-900 exam is designed to validate foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

What topics are covered in the AZ-900 exam?

The AZ-900 exam covers core Azure services, cloud concepts, Azure pricing and support, and governance and compliance.

How can I prepare for the AZ-900 exam?

You can prepare for the AZ-900 exam by utilizing Microsoft Learn, taking online courses, studying official documentation, and practicing with sample questions.

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

The passing score for the AZ-900 exam is typically 700 out of 1000, but this can vary slightly based on exam adjustments.

Is there a prerequisite for taking the AZ-900 exam?

There are no formal prerequisites for taking the AZ-900 exam, making it accessible for anyone interested in learning about Azure.

What types of questions can I expect on the AZ-900 exam?

The AZ-900 exam features multiple-choice questions, case studies, and scenario-based questions that assess your understanding of Azure fundamentals.

How long is the AZ-900 exam?

The AZ-900 exam is approximately 85 minutes long, during which candidates must complete the set number of questions.

Can I retake the AZ-900 exam if I don't pass?

Yes, if you do not pass the AZ-900 exam, you can retake it after a waiting period of at least 24 hours; however, there are limits on the number of attempts.

What is the format of the AZ-900 exam?

The AZ-900 exam is delivered in a computer-based format, allowing candidates to take the exam at authorized testing centers or online.

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