

az 104 exam questions and answers

AZ-104 Exam Questions and Answers

The AZ-104 exam, officially known as Microsoft Azure Administrator, is a certification exam designed for individuals who want to demonstrate their skills and knowledge in managing Azure resources. Passing this exam validates your ability to implement, manage, and monitor Azure environments, making it an essential credential for professionals aspiring to become Azure Administrators. This article will provide an overview of the AZ-104 exam, discuss its structure, present common questions and answers, and offer tips for success.

Understanding the AZ-104 Exam

The AZ-104 exam is part of Microsoft's certification path for Azure. It is a role-based exam that focuses on the skills needed to manage Azure subscriptions and resources, implement storage solutions, configure virtual networks, manage identities, and secure Azure environments.

Exam Objectives

The exam covers several key areas, which are divided into specific domains. As of the latest updates, the main objectives include:

1. Manage Azure identities and governance (15-20%)
 - Manage Azure Active Directory (Azure AD) users and groups
 - Implement and manage Azure AD roles
 - Manage subscriptions and governance

2. Implement and manage storage (10-15%)

- Configure Azure Storage accounts
- Import and export data to Azure
- Configure Azure Blob storage

3. Deploy and manage Azure compute resources (20-25%)

- Configure VMs for high availability and scalability
- Automate deployment of VMs
- Manage Azure App Services

4. Configure and manage virtual networks (25-30%)

- Implement and manage virtual networks
- Configure network security groups
- Connect on-premises networks to Azure

5. Monitor and back up Azure resources (10-15%)

- Monitor resources using Azure Monitor
- Implement backup and recovery solutions

Exam Format

The AZ-104 exam format typically consists of:

- Number of questions: Approximately 40-60 questions
- Question types: Multiple-choice, case studies, drag-and-drop, and fill-in-the-blank
- Duration: 150 minutes
- Passing score: The minimum passing score is usually around 700 out of 1000.

Common AZ-104 Exam Questions and Answers

To help you prepare for the AZ-104 exam, here are some commonly encountered questions along with their answers:

1. What is the purpose of Azure Active Directory (Azure AD)?

Answer: Azure Active Directory is a cloud-based identity and access management service. It is used for managing users, groups, and permissions in Azure. Azure AD allows organizations to authenticate users, manage access to resources, and implement security measures such as Multi-Factor Authentication (MFA).

2. How can you configure a virtual machine (VM) to ensure high availability?

Answer: To ensure high availability for a virtual machine in Azure, you can:

- Use Azure Availability Sets to distribute VMs across multiple physical servers.
- Deploy VMs in different Availability Zones to protect against datacenter failures.
- Use Azure Scale Sets to manage a group of identical VMs that can automatically scale based on demand.

3. What is the difference between Azure Blob Storage and Azure File Storage?

Answer:

- Azure Blob Storage: Designed for storing unstructured data, such as documents, images, and videos. It is optimized for large-scale data storage and retrieval.
- Azure File Storage: Provides shared file storage using the SMB protocol. It is suitable for applications that require a file share accessible from multiple VMs.

4. How do you secure a virtual network in Azure?

Answer: To secure a virtual network in Azure, you can implement the following measures:

- Use Network Security Groups (NSGs) to control inbound and outbound traffic.
- Configure Azure Firewall for advanced threat protection.
- Implement Azure DDoS Protection to safeguard against distributed denial-of-service attacks.
- Use Virtual Network Service Endpoints to restrict access to Azure services.

5. What is Azure Monitor and how does it function?

Answer: Azure Monitor is a comprehensive service for collecting, analyzing, and acting on telemetry data from Azure resources. It enables you to understand how your applications are performing and proactively identify issues. Azure Monitor provides features such as:

- Metrics and logs collection
- Alerts and notifications
- Application Insights for monitoring application performance
- Dashboards for visualizing data

Tips for Passing the AZ-104 Exam

Preparing for the AZ-104 exam requires a structured approach. Here are some tips to help you succeed:

1. Understand the Exam Objectives

Familiarize yourself with the exam objectives and domains. Focus your study efforts on the areas that carry the most weight in the exam.

2. Use Official Study Materials

Microsoft provides official learning paths, documentation, and resources for the AZ-104 exam. Utilize these materials to gain a solid understanding of Azure services and best practices.

3. Take Practice Exams

Practice exams can help you familiarize yourself with the exam format and types of questions. They also help identify areas where you may need further study.

4. Hands-On Experience

Nothing beats practical experience. Create an Azure account and work on building and managing resources. Hands-on practice will deepen your understanding and boost your confidence.

5. Join Study Groups and Forums

Engage with other candidates through study groups, forums, or online communities. Sharing knowledge and discussing concepts can enhance your learning experience.

6. Review and Revise

In the days leading up to the exam, review all your study materials and focus on key concepts. Make sure you understand the practical applications of what you have learned.

Conclusion

The AZ-104 exam is an essential step for anyone looking to establish a career as an Azure Administrator. By understanding the exam structure, focusing on key objectives, and employing effective study strategies, you can increase your chances of success. Remember to leverage both theoretical knowledge and practical experience to master the skills required for the exam. With dedication and the right resources, you can confidently prepare to achieve your Azure certification.

Frequently Asked Questions

What is the AZ-104 exam and what does it test?

The AZ-104 exam, also known as the Microsoft Azure Administrator exam, tests candidates on their knowledge and skills in managing Azure subscriptions, implementing storage solutions, configuring virtual networks, and managing Azure identities.

What types of questions can I expect on the AZ-104 exam?

The AZ-104 exam includes multiple-choice questions, case studies, and performance-based questions that assess practical skills in Azure administration.

How can I prepare for the AZ-104 exam effectively?

To prepare for the AZ-104 exam, utilize official Microsoft learning paths, take practice tests, engage in hands-on labs, and review documentation on Azure services and features.

Are there any prerequisites for taking the AZ-104 exam?

While there are no formal prerequisites, it is recommended that candidates have some experience with Azure administration and a fundamental understanding of cloud services.

What is the passing score for the AZ-104 exam?

The passing score for the AZ-104 exam is typically 700 out of 1000, but this can vary slightly based on the exam version and the difficulty of the questions.

Where can I find practice questions for the AZ-104 exam?

Practice questions for the AZ-104 exam can be found on various online platforms such as Microsoft Learn, certification preparation websites, and through third-party exam prep books.

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