

exam topics az 104

exam topics az 104 are critical for candidates preparing for the Microsoft Azure Administrator certification exam. This exam, identified as AZ-104, tests a candidate's knowledge and skills in managing Azure subscriptions, implementing storage solutions, configuring virtual networks, and managing identities. Understanding the exam topics is essential for effective preparation and success. This article will provide a comprehensive overview of the key topics covered in the AZ-104 exam, including details on Azure identity management, resource management, security, and governance. Additionally, it will highlight study strategies and resources to aid candidates in their preparation journey.

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Introduction to AZ-104 Exam

The Microsoft Azure Administrator exam, AZ-104, is designed to assess the skills required to manage Azure environments. Candidates who pass this exam demonstrate their ability to implement, manage, and monitor Azure resources. The exam covers various domains, including identity and access management, governance, and security. Understanding these core components is vital for any IT professional looking to validate their expertise in Azure administration.

This certification is part of the Microsoft Certified: Azure Administrator Associate pathway, which is highly regarded in the IT industry. With employers increasingly seeking individuals proficient in cloud technologies, obtaining the AZ-104 certification can greatly enhance career opportunities. This section will delve deeper into the significance of the AZ-104 exam and how it aligns with industry demands.

Key Exam Topics

The AZ-104 exam encompasses several key topics that candidates must master to succeed. The exam is structured around various domains, each focusing on different aspects of Azure administration. Below are the primary areas of knowledge that candidates must be familiar with:

1. Manage Azure Identity and Governance

This domain focuses on Azure Active Directory (Azure AD) and the management of identities and roles. Candidates should understand the following:

- Implementing and managing Azure AD users and groups
- Managing Azure AD roles and role-based access control (RBAC)
- Configuring and managing Azure AD Connect
- Implementing Multi-Factor Authentication (MFA)

Knowledge of Azure AD is essential, as it provides the backbone for identity management in Azure environments. Understanding RBAC and how to assign roles is crucial for securing resources effectively.

2. Implement and Manage Storage

This section assesses the candidate's ability to manage storage solutions in Azure. Key areas include:

- Configuring Azure Storage accounts
- Implementing Azure Blob Storage and File Storage
- Managing data access and security
- Implementing Azure Backup and Recovery services

Storage management is fundamental in Azure, as it involves configuring data storage options that align with organizational needs. Candidates must also understand the security implications of storage access and how to implement backup strategies.

3. Deploy and Manage Azure Compute Resources

This topic covers the deployment and management of virtual machines (VMs) and other compute resources. It includes:

- Creating and configuring VMs
- Managing VM availability and scalability
- Implementing Azure App Services

- Managing containers and Azure Kubernetes Service (AKS)

Proficiency in managing compute resources is vital, as it enables administrators to deploy applications and services effectively. Understanding scaling and performance optimization is also important for maintaining application health.

4. Configure and Manage Virtual Networking

This domain emphasizes the importance of networking within Azure. Candidates must be skilled in:

- Configuring Azure Virtual Networks (VNets)
- Implementing network security groups (NSGs)
- Managing VPNs and ExpressRoute
- Implementing Azure DNS

Networking knowledge is critical for ensuring secure and efficient communication between Azure resources and on-premises data centers. Candidates must understand how to configure various networking components for optimal performance.

5. Monitor and Back Up Azure Resources

The final domain focuses on monitoring and backup solutions for Azure resources. Key responsibilities include:

- Implementing Azure Monitor and Azure Log Analytics
- Configuring alerts and notifications
- Managing Azure Backup and Azure Site Recovery
- Analyzing resource utilization and performance

Effective monitoring and backup practices ensure that Azure resources are operating efficiently and securely. Candidates must be able to analyze performance metrics and respond to incidents proactively.

Study Strategies for AZ-104