MICROSOFT AZURE ADMINISTRATOR (AZ104) PRACTICE EXAM (SAMPLE)

STUDY GUIDE



SAMPLE STUDY GUIDE WITH LIMITED QUESTIONS

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Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

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How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 – 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

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Questions

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1. **When deploying an Azure function app to connect with external services, what is a key consideration regarding access to those services?**

   A. Geographic location

   B. Cost management

   C. Service tier

   D. Authentication method

2. **What is the purpose of enabling duplicate detection in Azure Service Bus queues?**

   A. To ensure FIFO message delivery

   B. To prevent the same message from being processed multiple times

   C. To limit the size of the queue

   D. To improve message throughput

3. **You are tasked with providing a group named Developers the ability to create Azure logic apps within a specific resource group. If you assign the Logic App Contributor role to the Developers group on the resource group, will this be sufficient?**

   A. Yes

   B. No

   C. Only with additional permissions

   D. Depends on the Azure subscription

4. **What could cause a Backup Pre-Check status to display a Warning for a virtual machine?**

   A. The virtual machine does not have the latest version of WaAppAgent.exe installed.

   B. The virtual machine has an unmanaged disk.

   C. The virtual machine is stopped.

   D. A Recovery Services vault is unavailable.

5. **What is the purpose of using shared access signatures (SAS) in Azure?**

   A. To secure virtual machines from unauthorized access

   B. To grant limited access to Azure storage resources

   C. To configure load balancing for distributed applications

   D. To manage permissions for user accounts

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6. What configuration must be done to ensure automatic blocking of TCP port 8080 when NSGs are created across multiple virtual networks?

A. Resource lock configuration

B. Custom policy definition assignment

C. Resource Manager registration

D. Role-based access control settings

7. What is the primary function of Azure Monitor in a cloud environment?

A. To schedule virtual machine operations

B. To aggregate and analyze resource data for performance

C. To manage user subscriptions and access

D. To facilitate network management and routing

8. When using Azure Active Directory, what can affect a user's ability to manage devices?

A. Member type of the user in the directory

B. The device's operating system version

C. The number of devices registered

D. The number of groups the user belongs to

9. You plan to change the size of a virtual machine. Which change will cause downtime for the VM?

A. Add a 500-GB managed disk.

B. Attach an additional network interface.

C. Add the Puppet Agent extension.

D. Change the size to D8s v3.

10. To enable premium features for 10 users in an Azure AD tenant, what should be done after purchasing Azure AD Premium P2 licenses?

A. Invite the users to a group from the Groups blade of each user

B. Assign a license from the Licenses blade of Azure AD

C. Modify the directory role from the Directory role blade of each user

D. Add an enterprise application from the Azure AD domain

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Answers

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1. D
2. B
3. A
4. A
5. B
6. B
7. B
8. A
9. D
10. B

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Explanations

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1. When deploying an Azure function app to connect with external services, what is a key consideration regarding access to those services?

A. Geographic location

B. Cost management

C. Service tier

D. Authentication method

When deploying an Azure function app to connect with external services, the authentication method is a critical consideration. This is because the security of the data and resources being accessed largely depends on how the function app authenticates with those external services. Ensuring that the authentication method is secure and compatible with the external services is vital for maintaining integrity and confidentiality. Different external services offer various authentication mechanisms, such as OAuth, API keys, or managed identities. It's essential to choose an authentication method that not only meets the security requirements of the external service but also aligns with the Azure function app's capabilities. Properly implemented authentication ensures that only authorized users or applications can access the service, thereby safeguarding sensitive data and resources from potential threats. Other factors, while important in different contexts, do not primarily influence the connection to external services. Geographic location might impact latency and compliance, cost management is essential for budgeting but not directly linked to accessing external services, and service tier considerations mainly relate to performance and features rather than access control. Thus, the authentication method stands out as the key aspect to consider for secure and effective connectivity.

2. What is the purpose of enabling duplicate detection in Azure Service Bus queues?

A. To ensure FIFO message delivery

B. To prevent the same message from being processed multiple times

C. To limit the size of the queue

D. To improve message throughput

Enabling duplicate detection in Azure Service Bus queues is designed primarily to prevent the same message from being processed multiple times. This feature is essential in scenarios where the same message might be sent more than once, either due to network issues, retries during processing, or other factors. When duplicate detection is activated, each message is assigned a unique identifier, and the Service Bus retains the IDs of recently processed messages for a predefined time frame. If a message with a duplicate identifier is received within this period, the Service Bus discards it rather than redelivering it for processing, thus ensuring that each message is processed only once. This capability is crucial for maintaining data integrity and avoiding the adverse effects of duplicate processing, such as data inconsistency or unexpected business outcomes. Organizations often face situations where transactional operations must be completed exactly once, and duplicate detection plays a vital role in achieving that outcome.

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3. You are tasked with providing a group named Developers the ability to create Azure logic apps within a specific resource group. If you assign the Logic App Contributor role to the Developers group on the resource group, will this be sufficient?

A. Yes

B. No

C. Only with additional permissions

D. Depends on the Azure subscription

Assigning the Logic App Contributor role to the Developers group on the specific resource group will indeed provide the necessary permissions for the members of that group to create and manage Azure Logic Apps within that resource group. The Logic App Contributor role is designed specifically for managing Azure Logic Apps, allowing users to create, read, update, and delete logic apps without granting them permissions to manage other resources in the resource group. This approach aligns with the principle of least privilege, ensuring that the Developers group has the necessary access to perform their tasks related to Logic Apps, while preventing unnecessary access to other resource types or management actions that they do not require. Therefore, by assigning the Logic App Contributor role appropriately at the resource group level, users in the Developers group will have the right level of access to perform their responsibilities effectively.

4. What could cause a Backup Pre-Check status to display a Warning for a virtual machine?

A. The virtual machine does not have the latest version of WaAppAgent.exe installed.

B. The virtual machine has an unmanaged disk.

C. The virtual machine is stopped.

D. A Recovery Services vault is unavailable.

The Backup Pre-Check status displaying a Warning for a virtual machine can occur when the virtual machine does not have the latest version of WaAppAgent.exe installed. WaAppAgent.exe is a critical component of Azure Backup, responsible for the backup process of the virtual machine. When this application is outdated or missing, it can lead to compatibility issues or hinder the successful initiation of backups, resulting in a warning during the pre-check phase. Keeping this agent updated ensures that the backup process can leverage the latest features and fixes provided by Azure, thus enabling smoother and more reliable backups. Regarding the other choices, an unmanaged disk setup or a stopped virtual machine can affect backup operations, but these situations may not necessarily result in a warning specifically regarding the Backup Pre-Check. Unmanaged disks may require different configurations or considerations. A stopped virtual machine doesn't typically trigger a warning; rather, the state would usually be noted and could impact the ability to perform backups, but it is not likely to result in a pre-check warning. The availability of a Recovery Services vault, while essential for performing backups, would not lead to a specific warning for the virtual machine itself but rather indicate broader issues preventing backup operations.

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5. What is the purpose of using shared access signatures (SAS) in Azure?

A. To secure virtual machines from unauthorized access

B. To grant limited access to Azure storage resources

C. To configure load balancing for distributed applications

D. To manage permissions for user accounts

The use of shared access signatures (SAS) in Azure is specifically designed to grant limited access to Azure storage resources. This functionality enables an application or user to access specific resources in your Azure storage account without having to expose the account key. SAS provides a way to share your storage securely by generating a token that includes the necessary permissions, resource types, and expiration settings. For example, if you have a blob storage container and you want a user to be able to read blobs for a limited time without giving them the full access rights associated with your storage account, you would create a SAS token that grants those specific permissions. This approach enhances security because users can operate under controlled conditions, reducing the risk of unnecessary exposure to critical account details or permissions. By limiting the scope of access—such as read, write, or delete permissions—and specifying a time frame for which the token is valid, SAS facilitates a more secure and versatile way to manage access to your Azure storage resources.

6. What configuration must be done to ensure automatic blocking of TCP port 8080 when NSGs are created across multiple virtual networks?

A. Resource lock configuration

B. Custom policy definition assignment

C. Resource Manager registration

D. Role-based access control settings

To ensure automatic blocking of TCP port 8080 when Network Security Groups (NSGs) are created across multiple virtual networks, a custom policy definition assignment is necessary. Azure Policy provides a way to create, assign, and manage policies that enforce different rules and effects over your resources, helping to guarantee compliance and governance. By defining a custom policy that specifically targets the creation of NSGs, you can set the requirement that TCP port 8080 should be automatically blocked. This policy can be assigned to the appropriate scope, such as a subscription or resource group, ensuring that every time a new NSG is created, it automatically adheres to the defined rules, including block rules for TCP port 8080. This mechanism helps maintain consistent security posture across all virtual networks within the scope of the policy. Other options listed, such as resource lock configuration, resource manager registration, and role-based access control settings, do not serve the specific function of automatically enforcing security rules against NSGs upon their creation. Resource locks prevent accidental deletion or modification but do not influence network security configurations. Role-based access control manages permissions for users and groups but does not enforce security settings within NSGs. Resource Manager registration is related to enabling specific resource types in an environment but is not relevant

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7. What is the primary function of Azure Monitor in a cloud environment?

A. To schedule virtual machine operations

B. To aggregate and analyze resource data for performance

C. To manage user subscriptions and access

D. To facilitate network management and routing

Azure Monitor serves the vital function of aggregating and analyzing data from various resources within a cloud environment to assess their performance and health. This capability enables administrators to gain insights into the operation of their resources, helping them understand resource utilization, identify trends, and detect anomalies. By collecting metrics and logs from Azure resources, Azure Monitor provides comprehensive visibility into the performance of applications and infrastructure. This functionality is critical for ensuring that services run smoothly and efficiently, enabling proactive measures to be taken before issues escalate into significant problems. The focus of Azure Monitor on performance analysis sets it apart significantly from functions like scheduling virtual machine operations, managing user access, or routing in network management, which are specialized tasks and do not encompass the broad performance monitoring capabilities that Azure Monitor provides.

8. When using Azure Active Directory, what can affect a user's ability to manage devices?

A. Member type of the user in the directory

B. The device's operating system version

C. The number of devices registered

D. The number of groups the user belongs to

The correct answer is the member type of the user in the directory. In Azure Active Directory (Azure AD), user member types can significantly influence a user's permissions and capabilities, including device management. For instance, users who are assigned as "Members" typically have standard permissions, whereas "Guests" might have limited access and capabilities in terms of managing devices or accessing resources. Additionally, users in special roles, such as Global Administrators or Intune Administrators, have enhanced privileges that allow them to manage devices more effectively. The other options, while relevant to overall user and device management, do not directly dictate a user's ability to manage devices in Azure AD as clearly as the member type does. For example, the device's operating system version might affect compatibility or feature availability, but it does not determine user permissions. Similarly, the number of devices registered or the number of groups a user belongs to can influence organizational setups but do not inherently restrict or enable device management privileges.

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9. You plan to change the size of a virtual machine. Which change will cause downtime for the VM?

A. Add a 500-GB managed disk.

B. Attach an additional network interface.

C. Add the Puppet Agent extension.

D. Change the size to D8s v3.

When you change the size of a virtual machine in Azure, specifically to a different VM size like D8s v3, it requires the virtual machine to be stopped and deallocated prior to the size change. This process inherently involves downtime since the VM cannot be actively running during this operation. Azure needs to reconfigure the resources allocated to the VM, which cannot be done while the VM is powered on. The other options, such as adding a managed disk, attaching an additional network interface, and adding the Puppet Agent extension, can typically be performed while the VM is running. These modifications do not require the deallocation of the VM, which means they do not result in any downtime. Thus, changing the size of the VM stands out as the action that directly causes the VM to go offline, making it the correct answer.

10. To enable premium features for 10 users in an Azure AD tenant, what should be done after purchasing Azure AD Premium P2 licenses?

A. Invite the users to a group from the Groups blade of each user

B. Assign a license from the Licenses blade of Azure AD

C. Modify the directory role from the Directory role blade of each user

D. Add an enterprise application from the Azure AD domain

To enable premium features for users in Azure AD, after purchasing Azure AD Premium P2 licenses, it's essential to assign those licenses to the specific users who need access to the additional capabilities. This is done through the Licenses blade of Azure AD, where each user can be individually assigned a license. Licenses provide users with the rights to use features specific to the Azure AD Premium P2 service, which includes advanced security features, governance tools, and identity protection functionalities. Once the licenses are assigned, the users can utilize these premium features effectively. Other options may involve user management tasks, such as grouping users or modifying roles, but they do not directly relate to providing access to the premium features associated with the Azure AD Premium P2 licenses. Simply inviting users to groups or modifying directory roles does not grant the specialized features that come with the premium licenses; without the license assignment, users would still lack access to the benefits of the Azure AD Premium P2 plan. Adding an enterprise application is also not relevant to enabling direct access to premium features for users. Thus, assigning the appropriate licenses is the correct and necessary action to enable those features for the intended users.

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Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

https://microsoftazureadministrator-az104.examzify.com

We wish you the very best on your exam journey. You've got this!

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