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1.

1 / 1 point

Which of the following are benefits of Azure cloud-based data storage solutions?

Select all options that apply.

☐ Increased Capital Expenditure

☒ Automated backup and Recovery

✓ **Correct**

Automated backup and recovery mitigate the risk of losing your data if there is any unforeseen failure or interruption.

☒ Multiple Data Types

✓ **Correct**

Azure can store almost any type of data you need. It can handle video files, text files, and even large binary files like virtual hard disks. It also has many options for your relational and NoSQL data.

☒ Global Replication

✓ **Correct**

Replication across the globe copies your data to protect it against any planned or unplanned events, such as scheduled maintenance or hardware failures. You can choose to replicate your data at multiple locations across the globe.

2. Which of the following statements is true of Resource Groups, Storage Accounts, and Azure Cosmos DB?

0 / 1 point

☐ Azure Cosmos DB can be included in an Azure Resource Group but cannot be included in an Azure Storage Account.

☐ Azure Cosmos DB can be included in an Azure Storage Account in an Azure Resource Group

✗ **Incorrect**

You didn't select an answer.

3. Transactions are often defined by a set of four requirements, referred to as ACID guarantees.

1 / 1 point

What does ACID stand for?

Select all options that apply.

☐ Automatic

☐ Dynamic

☐ Concurrent

☒ Isolation

✓ **Correct**

Isolation ensures that one transaction is not impacted by another transaction.

☒ Atomicity

✓ **Correct**

Atomicity means a transaction must execute exactly once and must be atomic; either all of the work is done, or none of it is. Operations within a transaction usually share a common intent and are interdependent.

☒ Durability



Correct

Durability means that the changes made due to the transaction are permanently saved in the system. Committed data is saved by the system so that even in the event of a failure and system restart, the data is available in its correct state.



Consistency



Correct

Consistency ensures that the data is consistent both before and after the transaction.

4. A storage account is an Azure resource and must therefore be included in which of the following?

1 / 1 point



Azure AD Group



Management Group



Resource Group



Correct

A storage account is an Azure resource and is included in a resource group.

5. Azure Storage offers several types of storage accounts. What is the recommended storage type for block blobs and append blobs?

1 / 1 point



Standard General purpose v2



Premium Storage



Correct

Premium Blob Storage provides lower and more consistent storage latency, providing low and consistent storage response times for both read and write operations across a range of object sizes

6. What is the maximum size of a block blob storing text or binary files?

1 / 1 point



5 GB



500 GB



5 TB



Correct

Block blobs are used to hold text or binary files up to ~5 TB (50,000 blocks of 100 MB) in size.

7. Which of the following types of Azure data is most suitable for highly available network file shares that can be accessed using the standard Server Message Block, or SMB, protocol?

1 / 1 point



Blobs



Queues



Files



Correct

Files are suitable for managed file shares for cloud or on-premises deployments that can be accessed using the standard Server Message Block (SMB) protocol.

8. Azure File Storage exposes file shares using what protocol?

1 / 1 point



Server Message Block 3.0



Server Message Block 2.0



HTTPS



Correct

Azure File Storage exposes file shares using the Server Message Block 3.0 (SMB) protocol. This is the same file-sharing protocol used by many existing on-premises applications.

9. Azure Storage provides a REST API to work with the containers and data stored in each storage account.

1 / 1 point

What would the following HTTP command return?

GET https://[url-for-service-account]?comp=list&include=metadata



A list of all blobs

 A list of all blobs

- ☐ A List of all Files
- ☐ A list of all tables

 **Correct**

The Storage REST APIs are accessible from anywhere on the Internet, by any app that can send an HTTP/HTTPS request and receive an HTTP/HTTPS response. To list all the blobs in a container, you would send something like this command.

10. Microsoft Azure Storage is a managed service that provides durable, secure, and scalable storage in the cloud. Azure Files enables you to set up highly available network file shares that can be accessed using the standard Server Message Block (SMB) protocol.

1 / 1 point

Which of the following are common scenarios where file shares can be used?

Select all options that apply.

- ☒ Sharing data between on-premises applications and Azure VMs to allow migration of apps to the cloud over time.

 **Correct**

Sharing data between on-premises applications and Azure VMs allows for the migration of apps to the cloud over time.

- ☒ Storing shared configuration files for VMs, tools, or utilities so that everyone is using the same version.

 **Correct**

Multiple VMs can share the same files with both read and write access.

- ☐ Sharing data between on-premises and Azure VM's to allow the migration of apps to the cloud instantly

11. A storage account has two keys that provide full access to the account.

0.3333333333333333 / 1 point

Which of the following is a good reason to regenerate your storage account keys?


- ☒ As security best practice, similar to changing a password on a user account.

 **Correct**

For security reasons, you should regenerate keys periodically.

- ☐ The key may have been compromised due to a hacking attack which could allow the hacker full access to your storage account.

- ☒ It is a requirement based on Azure AD Policies.

 **This should not be selected**

Try going back and reviewing **Secure your Azure Storage account**.

12. By default, storage accounts accept connections from clients on any network. To limit access to selected networks you must first change this default action.

1 / 1 point

Which of the following can you use to restrict access to selected networks?

- ☐ Resource Group

- ☒ Ranges of Ip addresses

 **Correct**

You can restrict access to a range of IP Addresses.

- ☒ Specific IP Addresses

 **Correct**

You can restrict access to specific IP Addresses.

- ☒ Virtual Networks

 **Correct**

You can restrict access to a Virtual Network.

13. Azure Storage supports Azure Active Directory and role-based access control (or RBAC) for both resource management and data operations. You can assign RBAC roles that are scoped to which of the following?

1 / 1 point

Select all options that apply.

- ☒ A subscription,

✓ **Correct**

Azure Storage supports Azure Active Directory and role-based access control (or RBAC) for both resource management and data operations. you can assign RBAC roles that are scoped to an individual container, An individual queue, the storage account, the resource group, the subscription, and a management group.

- ☒ An individual container or queue

✓ **Correct**

Azure Storage supports Azure Active Directory and role-based access control (or RBAC) for both resource management and data operations. you can assign RBAC roles that are scoped to an individual container, An individual queue, the storage account, the resource group, the subscription, and a management group.

- ☒ A storage account

✓ **Correct**

Azure Storage supports Azure Active Directory and role-based access control (or RBAC) for both resource management and data operations. you can assign RBAC roles that are scoped to an individual container, An individual queue, the storage account, the resource group, the subscription, and a management group.

- ☐ Table

- ☒ A Resource group

✓ **Correct**

Azure Storage supports Azure Active Directory and role-based access control (or RBAC) for both resource management and data operations. you can assign RBAC roles that are scoped to an individual container, An individual queue, the storage account, the resource group, the subscription, and a management group.

14. You can use a service-level SAS to allow access to specific resources in a storage account. What can you use this type of SAS to do?

1 / 1 point

Select all options that apply.

- ☒ To allow an app to retrieve a list of files in a file system.

✓ **Correct**

You can use a service-level SAS to manage access to specific resources in a storage account. You can use this type of SAS, for example, to allow an app to retrieve a list of files in a file system.

- ☒ To allow an app to download a file.

✓ **Correct**

You can use a service-level SAS to manage access to specific resources in a storage account. You can use this type of SAS, for example, to allow an app to download a file.

- ☐ To allow an app or user to create file systems

15. Your company is developing some new apps that need to access files in Blob storage. The company wants the Blob names in these apps to look like traditional file names and include file name extensions like .jpg to indicate what kind of data they contain. What type of storage design will need to be implemented to provide this feature?

1 / 1 point

- ☐ Create new Storage Accounts
- ☒ Implement Virtual Directories
- ☐ Create new containers

✓ **Correct**

Apps may use Azure Blob storage more like a personal file system, where container and blob names are used to indicate meaning and structure. Blob names in these kinds of apps will often look like traditional file names and include file name extensions like .jpg to indicate what kind of data they contain. They use virtual directories to organize blobs and frequently use metadata tags to store information about blobs and containers.