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Course practice exam

LATEST SUBMISSION GRADE

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1.

0.75 / 1 point

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

Select all options that apply.

☒ Automated backup and Recovery



Correct

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

☒ Increased Capital Expenditure



This should not be selected

Try going back and reviewing **Store Data in Microsoft Azure**.

☒ 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.

☒ 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.

2. The following script is an example of which serialization language?

1 / 1 point

```
<Person Age="23">
```

```
<FirstName>John</FirstName>
```

```
<LastName>Smith</LastName>
```

```
<Hobbies>
```

```
<Hobby Type="Sports">Golf</Hobby>
```

```
<Hobby Type="Leisure">Reading</Hobby>
```

```
<Hobby Type="Leisure">Guitar</Hobby>
```

```
</Hobbies>
```

```
</Person>
```

☒ XML

☐ JSON

☐ YAML



Correct

XML expresses the shape of the data using tags.

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.

☒ Consistency

✓ **Correct**

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

☐ Dynamic

☐ Automatic

☐ Concurrent

☒ Isolation

✓ **Correct**

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

☒ 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.

4. Let's say you have two video files stored as blobs. One of the videos is business-critical and requires a replication policy that creates multiple copies across geographically diverse datacenters. The other video is non-critical, and a local replication policy is sufficient. Which of the following options satisfies both data diversity and cost sensitivity consideration?

1 / 1 point

☐ Create a single storage account that makes use of geo-redundant storage (GRS) and host both videos from here.

☐ Create a single storage account that makes use of local-redundant storage (LRS) and host both videos from here.

☒ Create two storage accounts. The first account makes use of Geo-redundant storage (GRS) and hosts the business-critical video content. The second account makes use of local-redundant storage (LRS) and hosts the non-critical video content.

✓ **Correct**

Try going back and reviewing **Store Data in Microsoft Azure**.

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

1 / 1 point

☒ 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

☐ Standard General purpose v2

6. In Azure Storage, clients can use a shared key or shared secret for authentication and to restrict access to resources. A Shared key is supported by which of the following storage models?

0.8 / 1 point

Select all options that apply.

☒ Files

✓ **Correct**

Clients can use a shared key or shared secret as an authentication option and is one of the easiest to use. It supports files.

☒ Tables

✓ **Correct**

Clients can use a shared key or shared secret as an authentication option and is one of the easiest to use. It supports tables.

☒ Blobs



Correct

Clients can use a shared key or shared secret as an authentication option and is one of the easiest to use. It supports Blobs.



Queues



Correct

Clients can use a shared key or shared secret as an authentication option and is one of the easiest to use. It supports queues.



Disks



This should not be selected

Try going back and reviewing [Store Data in Microsoft Azure](#).

7. Which of the following are features of the Azure Queue service?

0.75 / 1 point

Select all options that apply.



Queue messages can be up to 64 kilobytes in size, and a queue can contain millions of messages.



Correct

Queue messages can be up to 64 kilobytes in size, and a queue can contain millions of messages.



It can store and retrieve messages.



Correct

The Azure Queue service is used to store and retrieve messages.



Queues are used to store lists of messages to be processed asynchronously.



Correct

Queues are used to store lists of messages to be processed asynchronously.



Queues are used to store lists of messages to be processed synchronously.



This should not be selected

Try going back and reviewing [Connect an app to Azure Storage](#).

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

1 / 1 point

☐ Server Message Block 2.0

☒ Server Message Block 3.0

☐ 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.

1 / 1 point

Azure Storage provides a REST API to work with the containers and data stored in each account. To work with data in a storage account, what pieces of data does your app need?

Select all options that apply.

☐ Public access key

☐ Private access key



REST API Endpoint



Correct

Azure Storage provides a REST API to work with the containers and data stored in each account. To work with data in a storage account, your app will need two pieces of data an access key and a REST API endpoint



Access key

✓ **Correct**

Azure Storage provides a REST API to work with the containers and data stored in each account. To work with data in a storage account, your app will need two pieces of data an access key and a REST API endpoint

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.

- ☒ 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 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.

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

11. When connecting an app to multiple storage accounts, what will your app require?

0 / 1 point

- ☐ A Shared Access Key
- ☐ An Access key for each storage account
- ☒ A single Access key to gain access to all storage accounts

✗ **Incorrect**

If your app needs to connect to multiple storage accounts, it requires an access key for each storage account.

- 12.

0.5 / 1 point

Azure Storage accounts can create authorized apps in Active Directory to control access to data in which of the following storage services?

Select all options that apply.

- ☒ Azure Blobs

✓ **Correct**

Azure storage accounts can create authorized apps in Active Directory to control access to the data in blobs and queues.

- ☒ Azure Files

✗ **This should not be selected**

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

- ☒ Azure Queues

✓ **Correct**

Azure storage accounts can create authorized apps in Active Directory to control access to the data in blobs and queues.

- ☒ Azure Tables

✗ **This should not be selected**

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

13. Azure Data Lake Storage Gen2 is built on which of the following storage services?

1 / 1 point

- ☐ Azure File Storage
- ☐ Azure Disks
- ☐ Azure Tables
- ☒ Azure Blob Storage



Correct

Azure Data Lake Storage Gen2 is built on Azure Blob Storage.

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

0.3333333333333333 / 1 point

Select all options that apply.

☒ To allow an app or user to create file systems



This should not be selected

Try going back and reviewing Store application data with **Azure Blob storage**.

☐ 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.

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?

0 / 1 point

☒ Create new Storage Accounts

☐ Create new containers

☐ Implement Virtual Directories



Incorrect

Try going back and reviewing **Store application data with Azure Blob storage**.