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1. An Azure table enables you to store what kind of data?

1 / 1 point

- ☐ Structured Data
- ☒ Semi-structured Data
- ☐ Unstructured Data

✔ Correct
An Azure table enables you to store semi-structured data.

2. In an Azure Table Storage table in what format is data generally held?

1 / 1 point

- ☒ Denormalised
- ☐ Normalised

✔ Correct
Unlike traditional relational databases, data will usually be denormalized, with each row holding the entire data for a logical entity.

3. Azure Table Storage splits a table into partitions. Which of the following are features of partitions?

1 / 1 point

Select all options that apply.

☒ The grouping of related rows is based on a common property or partition key.

✔ Correct
To help ensure fast access, Azure Table Storage groups related rows, based on a common property or partition key.

☒ Rows that share the same partition key will be stored together.

✔ Correct
To help ensure fast access rows that share the same partition key will be stored together.

☐ Partitions are linked to each other.

4. Which of the following are advantages of using Azure Table Storage tables over traditional relational databases?

1 / 1 point

Select all options that apply.

☐ Referential integrity is maintained by using relationships between the partitions.

☒ There's no need to map and maintain the complex relationships typically required by a normalized relational database.

✔ Correct
One advantage of using Azure Table Storage tables over other ways of storing data include there is no need to map and maintain complex relationships typically required by a normalized relational database.

☒ A table can hold semi-structured data.

✔ Correct
One advantage of using Azure Table Storage tables over other ways of storing data include Azure Table Storage tables can hold semi-structured data.

5. Azure Table Storage provides high-availability in a single region, how many times is data for each table is replicated?

1 / 1 point

- ☐ 2
- ☒ 3

5

✓ Correct

The data for each table is replicated three times within an Azure region.

6. Azure Blob storage is a service that enables you to store massive amounts of unstructured data, or blobs, in the cloud. Which of the following are types of blob supported in Azure?

1 / 1 point

Select all options that apply.

✓ Page blobs

✓ Correct

A page blob is organized as a collection of fixed-size 512-byte pages. A page blob is optimized to support random read and write operations; you can fetch and store data for a single page if necessary. A page blob can hold up to 8 TB of data. Azure uses page blobs to implement virtual disk storage for virtual machines.

✓ Append blobs

✓ Correct

An append blob is a block blob optimized to support append operations. You can only add blocks to the end of an append blob; updating or deleting existing blocks isn't supported. Each block can vary in size, up to 4 MB. The maximum size of an append blob is just over 195 GB.

☐ Table blobs

✓ Block blobs

✓ Correct

A block blob is handled as a set of blocks. Each block can vary in size, up to 100 MB. A block blob can contain up to 50,000 blocks, giving a maximum size of over 4.7 TB.

7. Blob storage provides three access tiers, which help to balance access latency and storage cost. Which of the following are valid tiers for Blob storage?

1 / 1 point

Select all options that apply.

✓ The Archive Tier

✓ Correct

The Archive tier provides the lowest storage cost, but with increased latency. The Archive tier is intended for historical data that must not be lost but is rarely required.

☐ The Warm Tier

✓ The Hot Tier

✓ Correct

The Hot Tier is the default. You use this tier for blobs that are accessed frequently. The blob data is stored on high-performance media.

✓ The Cool Tier

✓ Correct

The Cool tier has lower performance and incurs reduced storage charges compared to the Hot tier. Use the Cool tier for data that is accessed infrequently.

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

1 / 1 point

☐ HTTPS

☐ Server Message Block 2.0

☒ Server Message Block 3.0

✓ 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. You create Azure File storage in a storage account. Currently, Azure File Storage enables you to share how much data in a single storage account?

1 / 1 point

☒ 100TB

☐ 50TB

☐ 500TB

✓ Correct

✔ Correct

Azure File Storage enables you to share up to 100 TB of data in a single storage account. This data can be distributed across any number of file shares in the account.

10. Unlike traditional relational databases such as SQL Server, Azure Cosmos DB is a multi-model NoSQL database management system. Cosmos DB manages data as a partitioned set of documents. Which of the following are features of Azure Cosmos DB?

1 / 1 point

Select all options that apply.

- ☒ The fields in each document can vary.

✔ Correct

Cosmos DB manages data as a partitioned set of documents. A document is a collection of fields, identified by a key. The fields in each document can vary, and a field can contain child documents.

- ☐ The structure of the document is proprietary to Microsoft.

- ☒ A document is a collection of fields, identified by a key.

✔ Correct

Cosmos DB manages data as a partitioned set of documents. A document is a collection of fields, identified by a key. The fields in each document can vary, and a field can contain child documents.