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1. You can use either the Azure command line interface (CLI) or Azure PowerShell to create documents and containers on Azure CosmosDB. Which of the following is an example of a create database command using Azure Powershell?

1 / 1 point

- ☐ Set-AzCosmosDBSqlDatabase
☐ az cosmosdb sql database create

Correct

Azure Powershell shell uses cmdlets pronounced command lets which are a combination of verbs and nouns joined with a single dash. Additional parameters are then added to the cmdlet such as -name followed by the name of the database.

2. Before creating non-relational data services such as Azure Cosmos DB or Blob Storage what must you create?

1 / 1 point

- ☐ A Management Group
☒ A Storage Account
☐ A Resource Group

Correct

Data Lake storage, Blob storage, and File Storage as well as Azure Cosmos DB all require that you first create an Azure storage account.

3. One of the parameters you specify when using the Azure CLI to create a new storage account is the 'sku' parameter. The sku is a combination of the performance tier and replication options that you wish to implement. These options include which of the following?

1 / 1 point

Select all options that apply.

- ☒ Premium_LRS,

Correct

The sku is a combination of the performance tier and replication options and includes Premium_LRS, Premium_ZRS, Standard_GRS, and Standard_GZRS.

- ☒ Premium_ZRS

Correct

Feedback: The sku is a combination of the performance tier and replication options and includes Premium_LRS, Premium_ZRS, Standard_GRS, and Standard_GZRS.

- ☒ Standard_GRS

Correct

The sku is a combination of the performance tier and replication options and includes Premium_LRS, Premium_ZRS, Standard_GRS and Standard_GZRS.

- ☐ Premium_GZRS

4. True or False?

1 / 1 point

The default connectivity for Azure Cosmos DB and Azure Storage is to disable access to the world at large.

- ☐ True
☒ False

Correct

The default connectivity for Azure Cosmos DB and Azure Storage is to enable access to the world at large. You can connect to these services from an on-premises network, the internet, or from within an Azure virtual network.

5. Azure Cosmos DB enables you to replicate databases and containers in your account across multiple regions.

1 / 1 point

After configuring replication you can use the Replicate data globally page to configure specific settings Which of the following are settings included in the Replicate data globally page?

Select all options that apply.

☒ You can set replication to multiple regions.

✔ **Correct**

You can replicate to multiple regions, and you can select the regions to use. In this way, you can pick the regions that are closest to your consumers.

☐ By default, all regions support write operations.

☒ Configure automatic failover to help ensure high availability.

✔ **Correct**

You can use this page to configure automatic failover to help ensure high availability. If the databases in the primary region (the region in which you created the account) become unavailable, one of the replicated regions will take over processing and become the new primary region.

6. Within a single region, Cosmos DB uses a cluster of servers. This approach helps to improve scalability and availability. A copy of all data is held in each server in the cluster. This can lead to data inconsistency. Azure Cosmos DB enables configuration as to how these inconsistencies should be handled.

0 / 1 point

Which form of consistency is sometimes known as 'read your own writes'?

☐ Bounded Staleness

☐ Session

☐ Eventual

☒ Consistent Prefix

☐ Strong

✘ **Incorrect**

This option ensures that changes will appear in order, although there may be a delay before they become visible. In this period, applications may see old data.