AZ-305 Q&As

Designing Microsoft Azure Infrastructure Solutions

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QUESTION 1

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend using an Azure policy to enforce the resource group location.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Reference: https://docs.microsoft.com/en-us/azure/governance/policy/overview

QUESTION 2

You have an on-premises Microsoft SQL server named SQLI that hosts 50 databases. You plan to migrate SQL 1 to Azure SQL Managed Instance.

You need to perform an offline migration of SQL 1. The solution must minimize administrative effort.

What should you include in the solution?

A. SQL Server Migration Assistant (SSMA)

B. Azure Migrate

C. Data Migration Assistant (DMA)

D. Azure Database Migration Service

Correct Answer: D

This Azure service supports migration in the offline mode for applications that can afford downtime during the migration process. Unlike the continuous migration in online mode, offline mode migration runs a one-time restore of a full

database backup from the source to the target https://learn.microsoft.com/en-us/azure/azure-sql/migration-guides/managed-instance/sql- server-to- managed-instance-overview?view=azuresql#compare-migration-options

QUESTION 3

You Wave an Acme Directory forest named contoso.com. You install and configure Azure AD Connect to use password hath synchronization as the single sign- on (SSO) method Staging mode is enabled.

You review the synchronization results and discover that the Synchronization Service Manager does not display any sync jobs.

You need to ensure that the synchronization completes successfully.

What should you do?

A. From Synchronization Service Manager, run a full import

B. From Azure PowerShell, run Start-AdSyncCycle -PolicyType initial.

C. Run Azure AD Connect and set the SSO method to Pass-through Authentication

D. Run Azure AD Connect and disable staging mode._

Correct Answer: D

QUESTION 4

HOTSPOT

You are designing a data storage solution to support reporting.

The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

1.

Organize data in directories by date and time.

2.

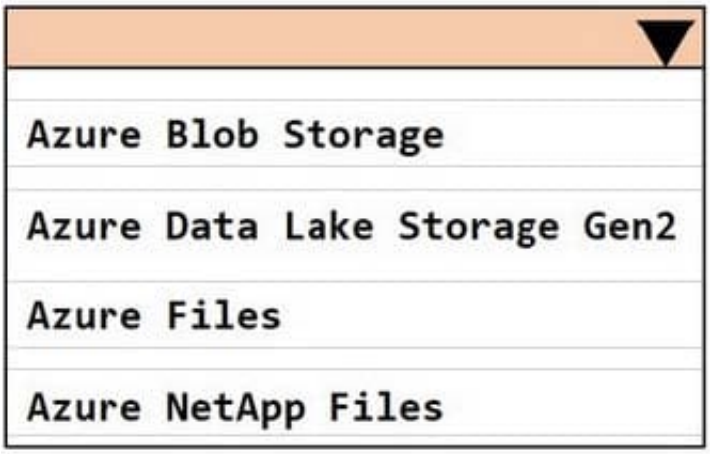
Allow stored data to be queried directly, transformed into summarized tables, and then stored in a data warehouse.

3.

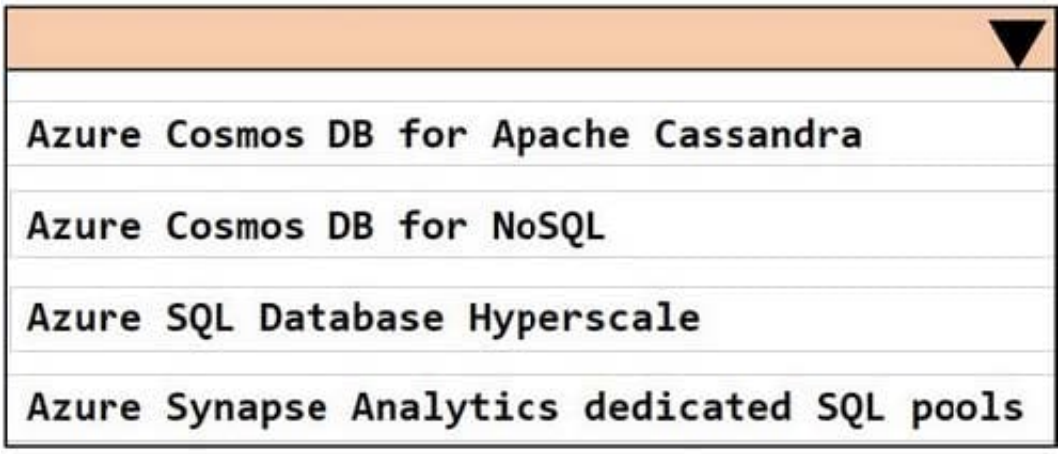
Ensure that the data warehouse can store 50 TB of relational data and support between 200 and 300 concurrent read operations. Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

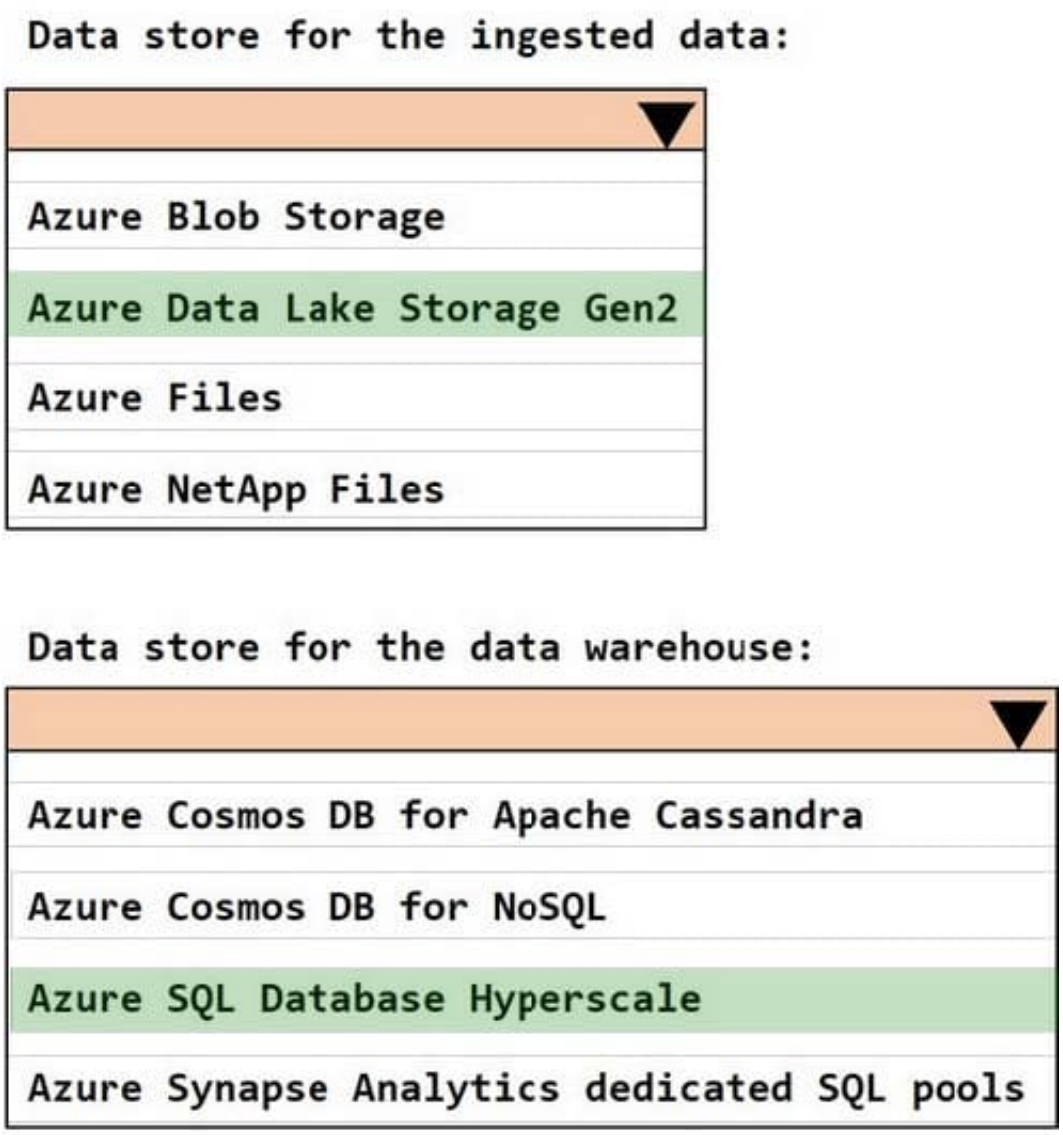
Data store for the ingested data:



Data store for the data warehouse:



Correct Answer:



QUESTION 5

HOTSPOT

You plan to migrate App1 to Azure.

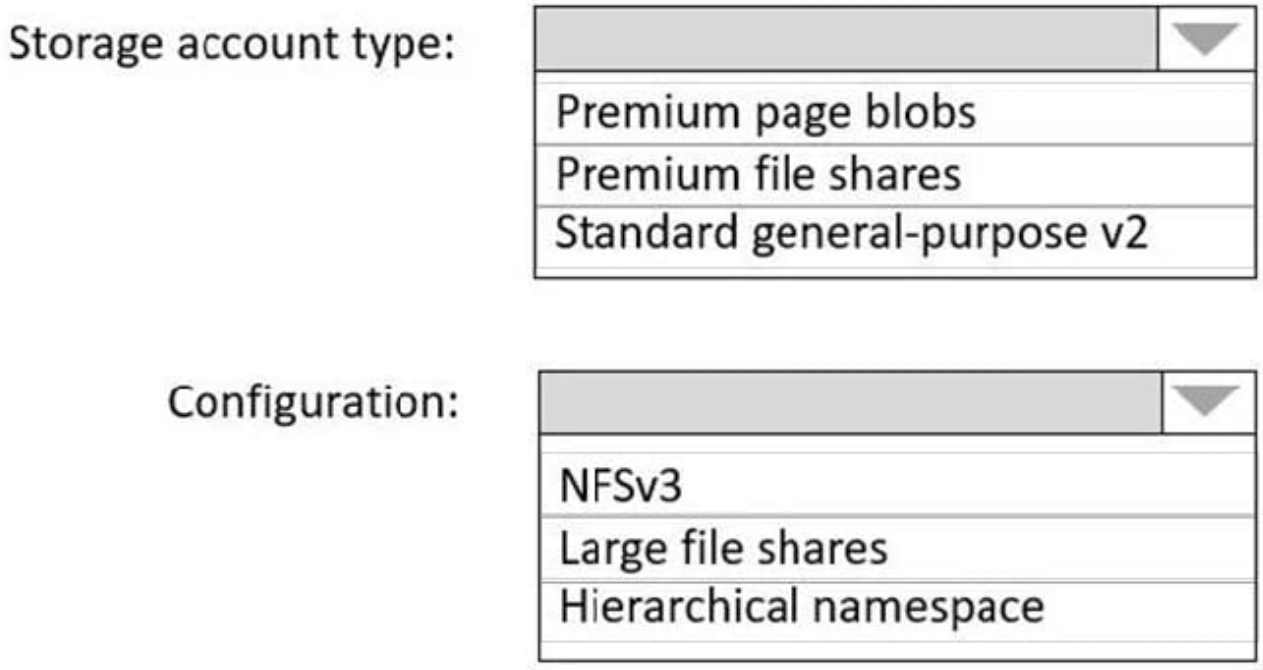
You need to recommend a storage solution for App1 that meets the security and compliance requirements.

Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

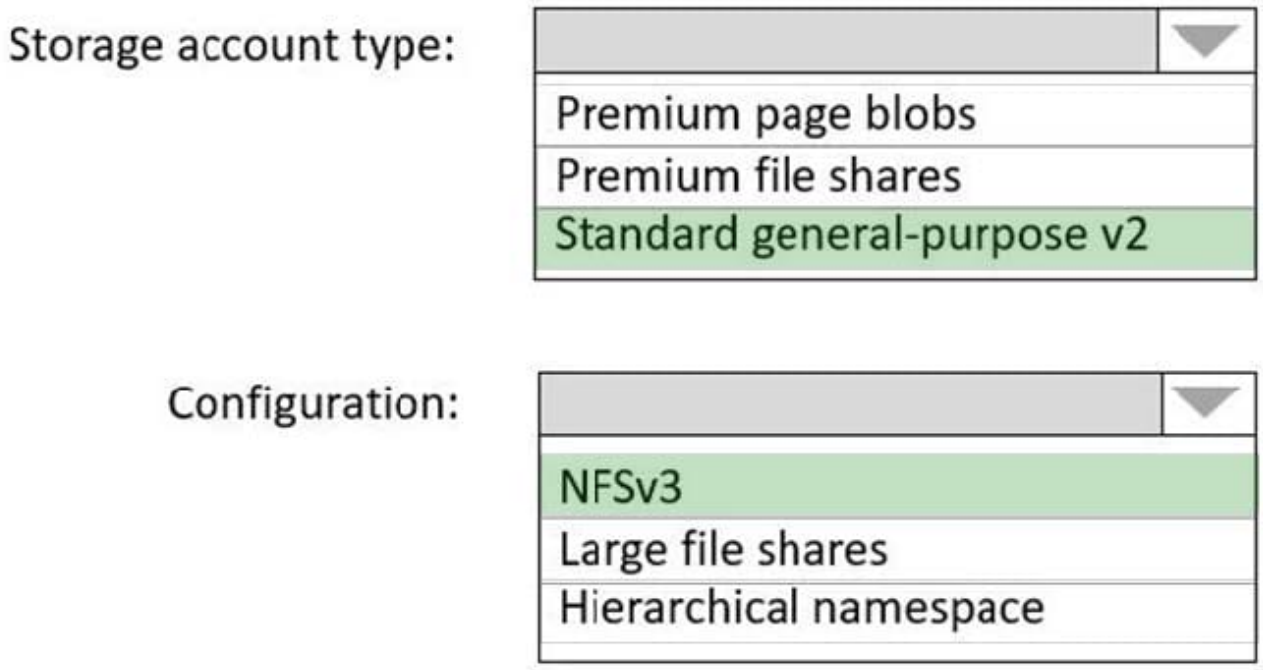
Hot Area:

Answer Area



Correct Answer:

Answer Area



Box 1: Standard general-purpose v2

Standard general-purpose v2 supports Blob Storage.

Azure Storage provides data protection for Blob Storage and Azure Data Lake Storage Gen2.

Scenario:

Litware identifies the following security and compliance requirements:

Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.

On-premises users and services must be able to access the Azure Storage account that will host the data in App1.

Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.

All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.

App1 must NOT share physical hardware with other workloads.

Box 2: NFSv3

Scenario: Plan: Migrate App1 to Azure virtual machines.

Blob storage now supports the Network File System (NFS) 3.0 protocol. This support provides Linux file system compatibility at object storage scale and prices and enables Linux clients to mount a container in Blob storage from an Azure

Virtual Machine (VM) or a computer on-premises.

Reference:

https://docs.microsoft.com/en-us/azure/storage/blobs/data-protection-overview