AZ-304^{Q&As}

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Microsoft Azure Architect Design Exam

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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. You have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux. You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account, and then using Azure Migrate.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

To ensure that the virtual machines remain available during the migration, use Azure Site Recovery.

Reference: https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview

QUESTION 2

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.

You are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases.

You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.

Solution: Create a resource group for each resource type. Assign tags to each resource group.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.

Reference: https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags

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QUESTION 3

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What would you include in the recommendation?

A. Azure Traffic Manager

B. Azure Data Lake

C. Azure Blob storage

D. Azure Service Bus

E. Azure Application Gateway

Correct Answer: D

Asynchronous messaging can be implemented in a variety of different ways. With queues, topics, and subscriptions, Azure Service Bus supports asynchronism via a store and forward mechanism.

Reference: https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-async-messaging

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QUESTION 4

HOTSPOT

To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Minimum number of Azure AD tenants:

| ▼ |
| 0 |
| 1 |
| 2 |
| 3 |
| 4 |

Minimum number of custom domains to add:

| ▼ |
| 0 |
| 1 |
| 2 |
| 3 |
| 4 |

Minimum number of conditional access policies to create:

| ▼ |
| 0 |
| 1 |
| 2 |
| 3 |
| 4 |

Correct Answer:

Answer Area

Minimum number of Azure AD tenants: ▼

0
1
2
3
4

Minimum number of custom domains to add: ▼

0
1
2
3
4

Minimum number of conditional access policies to create: ▼

0
1
2
3
4

Box 1: 2 The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests. Box 2: 1 Box 3: 1 Scenario:

1.

Users access to the Azure portal mu on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

2.

Administrators must be able authenticate to the Azure portal by using their corp.fabrikam.com credentials.

3.

All administrativest be secured by using multi-factor authentication.

Note:

Users must always authenticate by using their corp.fabrikam.com UPN identity.

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (RandD) department only.

QUESTION 5

You are designing a storage solution that will use Azure Blob storage. The data will be stored in a cool access tier or an archive access tier based on the access patterns of the data.

You identify the following types of infrequently accessed data:

1.

Telemetry data: Deleted after two years

2.

Promotional material: Deleted after 14 days

3.

Virtual machine audit data: Deleted after 200 days

A colleague recommends using the archive access tier to store the data.

Which statement accurately describes the recommendation?

A. Storage costs will be based on a minimum of 30 days.

B. Access to the data is guaranteed within five minutes.

C. Access to the data is guaranteed within 30 minutes.

D. Storage costs will be based on a minimum of 180 days.

Correct Answer: D

The following table shows a comparison of premium performance block blob storage, and the hot, cool, and archive access tiers.

	Premium performance	Hot tier	Cool tier	Archive tier
Availability	99.9%	99.9%	99%	Offline
Availability (RA-GRS reads)	N/A	99.99%	99.9%	Offline
Usage charges	Higher storage costs, lower access, and transaction cost	Higher storage costs, lower access, and transaction costs	Lower storage costs, higher access, and transaction costs	Lowest storage costs, highest access, and transaction costs
Minimum object size	N/A	N/A	N/A	N/A
Minimum storage duration	N/A	N/A	30 days[1]	180 days
Latency (Time to first byte)	Single-digit milliseconds	milliseconds	milliseconds	hours[2]

Reference: https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

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