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QUESTION & ANSWER

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Exam : AZ-303

**Title : Microsoft Azure Architect
Technologies**

Version : DEMO

1. Topic 1, Contoso, Ltd

Overview

Contoso, Ltd. is a manufacturing company that has offices worldwide. Contoso works with partner organizations to bring products to market.

Contoso products are manufactured by using blueprint files that the company authors and maintains.

Existing Environment

Currently, Contoso uses multiple types of servers for business operations, including the following:

- ☞ File servers
- ☞ Domain controllers
- ☞ Microsoft SQL Server servers

Your network contains an Active Directory forest named contoso.com. All servers and client computers are joined to Active Directory.

You have a public-facing application named App1.

App1 is comprised of the following three tiers:

- ☞ A SQL database
- ☞ A web front end
- ☞ A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

Requirements

Planned Changes

Contoso plans to implement the following changes to the infrastructure:

- ☞ Move all the tiers of App1 to Azure.
- ☞ Move the existing product blueprint files to Azure Blob storage.
- ☞ Create a hybrid directory to support an upcoming Microsoft Office 365 migration project.

Technical Requirements

Contoso must meet the following technical requirements:

- ☞ Move all the virtual machines for App1 to Azure.
- ☞ Minimize the number of open ports between the App1 tiers.
- ☞ Ensure that all the virtual machines for App1 are protected by backups.
- ☞ Copy the blueprint files to Azure over the Internet.
- ☞ Ensure that the blueprint files are stored in the archive storage tier.
- ☞ Ensure that partner access to the blueprint files is secured and temporary.
- ☞ Prevent user passwords or hashes of passwords from being stored in Azure.
- ☞ Use unmanaged standard storage for the hard disks of the virtual machines.
- ☞ Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile phone to verify their identity.

Minimize administrative effort whenever possible.

User Requirements

Contoso identifies the following requirements for users:

Ensure that only users who are part of a group named Pilot can join devices to Azure AD.

Designate a new user named Admin1 as the service administrator of the Azure subscription.

Ensure that a new user named User3 can create network objects for the Azure subscription.

You need to implement a backup solution for App1 after the application is moved.

What should you create first?

- A. a recovery plan
- B. an Azure Backup Server
- C. a backup policy
- D. a Recovery Services vault

Answer: D

Explanation:

A Recovery Services vault is a logical container that stores the backup data for each protected resource, such as Azure VMs. When the backup job for a protected resource runs, it creates a recovery point inside the Recovery Services vault.

Scenario:

There are three application tiers, each with five virtual machines.

Move all the virtual machines for App1 to Azure.

Ensure that all the virtual machines for App1 are protected by backups.

References: <https://docs.microsoft.com/en-us/azure/backup/quick-backup-vm-portal>

2.You need to recommend an identify solution that meets the technical requirements.

What should you recommend?

- A. federated single-on (SSO) and Active Directory Federation Services (AD FS)
- B. password hash synchronization and single sign-on (SSO)
- C. cloud-only user accounts
- D. Pass-through Authentication and single sign-on (SSO)

Answer: D

Explanation:

Active Directory Federation Services is a feature and web service in the Windows Server Operating System that allows sharing of identity information outside a company's network.

Scenario: Technical Requirements include:

Prevent user passwords or hashes of passwords from being stored in Azure.

References: <https://www.sherweb.com/blog/active-directory-federation-services/>

3.You need to move the blueprint files to Azure.

What should you do?

- A. Generate a shared access signature (SAS). Map a drive, and then copy the files by using File Explorer.
- B. Use the Azure Import/Export service.
- C. Generate an access key. Map a drive, and then copy the files by using File Explorer.
- D. Use Azure Storage Explorer to copy the files.

Answer: D

Explanation:

Azure Storage Explorer is a free tool from Microsoft that allows you to work with Azure Storage data on Windows, macOS, and Linux. You can use it to upload and download data from Azure blob storage.

Scenario:

Planned Changes include: move the existing product blueprint files to Azure Blob storage.

Technical Requirements include: Copy the blueprint files to Azure over the Internet.

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-data-to-azure-blob-using-azure-storage-explorer>

4.HOTSPOT

You need to configure the Device settings to meet the technical requirements and the user requirements.

Which two settings should you modify? To answer, select the appropriate settings in the answer area.

Answer Area

 Save  Discard

Users may join devices to Azure AD ⓘ

All Selected None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All None

Require Multi-Factor Auth to join devices ⓘ

Yes No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All Selected None

Selected

No member selected

Answer:

Answer Area

 Save  Discard

Users may join devices to Azure AD ⓘ

All Selected None

Selected

No member selected

Additional local administrators on Azure AD joined devices ⓘ

Selected None

Selected

No member selected

Users may register their devices with Azure AD ⓘ

All None

Require Multi-Factor Auth to join devices ⓘ

Yes No

Maximum number of devices per user ⓘ

50

Users may sync settings and app data across devices ⓘ

All Selected None

Selected

No member selected

Explanation:

Box 1: Selected

Only selected users should be able to join devices

Box 2: Yes

Require Multi-Factor Auth to join devices.

From scenario:

- ☞ Ensure that only users who are part of a group named Pilot can join devices to Azure AD
- ☞ Ensure that when users join devices to Azure Active Directory (Azure AD), the users use a mobile

phone to verify their identity.

5.HOTSPOT

You need to recommend a solution for App1. The solution must meet the technical requirements. What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets per virtual network:

	▼
1	
2	
3	

Answer:

Answer Area

Number of virtual networks:

	▼
1	
2	
3	

Number of subnets per virtual network:

	▼
1	
2	
3	

Explanation:

Box 1: 3

One virtual network for every tier

Box 2: 1

Only one subnet for each tier, to minimize the number of open ports.

Scenario: You have a public-facing application named App1.

App1 is comprised of the following three tiers:

- ☞ A SQL database
- ☞ A web front end
- ☞ A processing middle tier

Each tier is comprised of five virtual machines. Users access the web front end by using HTTPS only.

Technical requirements:

- ☞ Move all the virtual machines for App1 to Azure.
- ☞ Minimize the number of open ports between the App1 tiers.