Vendor: Microsoft

Exam Code: AZ-303

Exam Name: Microsoft Azure Architect Technologies

Version: DEMO

QUESTION 1
Case Study 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.

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

What should you recommend?

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

Answer: C
Explanation:
With Pass-through Authentication the on-premises passwords are never stored in the cloud in any form.
Scenario:
Prevent user passwords or hashes of passwords from being stored in Azure.
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.

Reference:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-pta

QUESTION 2
You have an Azure subscription that contains the storage accounts shown in the following table.

Name	Contains
storagecontoso1	A blob service and a table service
storagecontoso2	A blob service and a file service
storagecontoso3	A queue service
storagecontoso4	A file service and a queue service
storagecontoso5	A table service

You enable Storage Advanced Threat Protection (ATP) for all the storage accounts.

You need to identify which storage accounts will generate Storage ATP alerts.

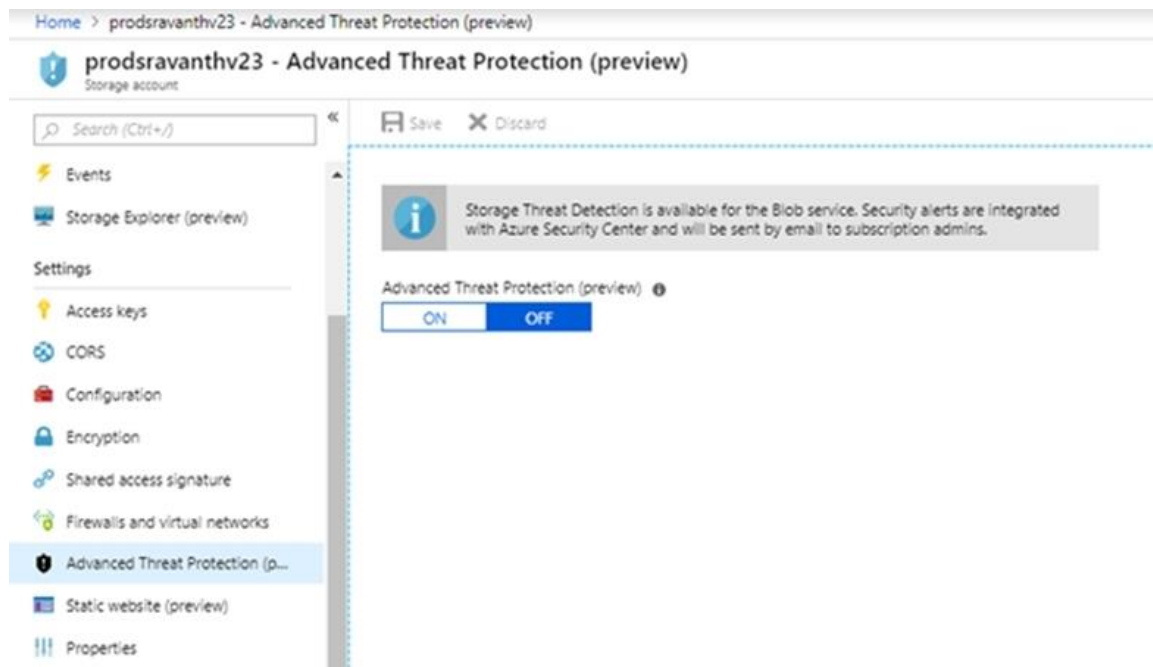Which two storage accounts should you identify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. storagecontoso1
B. storagecontoso2
C. storagecontoso3
D. storagecontoso4
E. storagecontoso5

Answer: AB
Explanation:
Storage Threat Detection is available for the Blob Service.

Reference:
https://azure.microsoft.com/en-us/blog/advanced-threat-protection-for-azure-storage-now-in-public-preview/

QUESTION 3
You have an Azure virtual machine named VM1 and an Azure Active Directory (Azure AD) tenant named adatum.com.

VM1 has the following settings:

- IP address: 10.10.0.10
- System-assigned managed identity: On

You need to create a script that will run from within VM1 to retrieve the authentication token of VM1.

Which address should you use in the script?

A. vm1.adatum.com.onmicrosoft.com
B. 169.254.169.254
C. 10.10.0.10
D. vm1.adatum.com

Answer: B
Explanation:
Your code that's running on the VM can request a token from the Azure Instance Metadata Service identity endpoint, accessible only from within the VM:
http://169.254.169.254/metadata/identity/oauth2/token

Reference:
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

QUESTION 4
You are designing an Azure solution.

The solution must meet the following requirements:

```
- Distribute traffic to different pools of dedicated virtual machines
(VMs) based on rules.
- Provide SSL offloading capabilities.
```

You need to recommend a solution to distribute network traffic.

Which technology should you recommend?

A. Azure Application Gateway
B. Azure Load Balancer
C. Azure Traffic Manager
D. server-level firewall rules

Answer: A
Explanation:
If you require "SSL offloading", application layer treatment, or wish to delegate certificate management to Azure, you should use Azure's layer 7 load balancer Application Gateway instead of the Load Balanacer.
Incorrect Answers:
D: Because Load Balancer is agnostic to the TCP payload and TLS offload ("SSL") is not provided.
Reference:
https://docs.microsoft.com/en-us/azure/application-gateway/overview

QUESTION 5
You are implementing authentication for applications in your company. You plan to implement self-service password reset (SSPR) and multifactor authentication (MFA) in Azure Active Directory (Azure AD).

You need to select authentication mechanisms that can be used for both MFA and SSPR.

Which two authentication methods should you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Authenticator app
B. Email addresses
C. App passwords
D. Short Message Service (SMS) messages
E. Security questions

Answer: AD
Explanation:
The following authentication mechanisms can be used for both MFA and SSPR:
Short Message Service (SMS) messages
Azure AD passwords
Microsoft Authenticator app
Voice call
Incorrect Answers:
B, E: The following authentication mechanisms are used for SSPR only:
Email addresses
Security questions
E: App passwords authentication mechanisms can be used for MFA only, but only in certain cases.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/concept-authentication-methods

QUESTION 6
You have an application named App1 that does not support Azure Active Directory (Azure AD) authentication.

You need to ensure that App1 can send messages to an Azure Service Bus queue. The solution must prevent App1 from listening to the queue.

What should you do?

A. Configure Access control (IAM) for the Service Bus.
B. Add a shared access policy to the queue.
C. Modify the locks of the queue.
D. Configure Access control (IAM) for the queue.

Answer: B
Explanation:
There are two ways to authenticate and authorize access to Azure Service Bus resources: Azure Activity Directory (Azure AD) and Shared Access Signatures (SAS).
Each Service Bus namespace and each Service Bus entity has a Shared Access Authorization policy made up of rules.
Reference:
https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-authentication-and-authorization
https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-sas

QUESTION 7

Hotspot Question

You have an Azure Active Directory (Azure AD) tenant named contoso.com. The tenant contains the users shown in the following table.

Name	Member of
User1	Group1
User2	Group2

The tenant contains computers that run Windows 10. The computers are configured as shown in the following table.

Name	Member of
Computer1	GroupA
Computer2	GroupA
Computer3	GroupB

You enable Enterprise State Roaming in contoso.com for Group1 and GroupA.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
If User1 modifies the desktop background of Computer1, User1 will see the changed background when signing in to Computer3.	○	○
If User2 modifies the desktop background of Computer1, User2 will see the changed background when signing in to Computer2.	○	○
If User1 modifies the desktop background of Computer3, User1 will see the changed background when signing in to Computer2.	○	○

Answer:

Answer Area

Statements	Yes	No
If User1 modifies the desktop background of Computer1, User1 will see the changed background when signing in to Computer3.	●	○
If User2 modifies the desktop background of Computer1, User2 will see the changed background when signing in to Computer2.	○	●
If User1 modifies the desktop background of Computer3, User1 will see the changed background when signing in to Computer2.	●	○

Explanation:
Enterprise State Roaming provides users with a unified experience across their Windows devices and reduces the time needed for configuring a new device.
Box 1: Yes
Box 2: No
Box 3: Yes
Reference:
https://docs.microsoft.com/en-us/azure//////active-directory/devices/enterprise-state-roaming-overview

QUESTION 8
Hotspot Question

You company has an Azure Container Registry named Registry1.

You have an Azure virtual machine named Server1 that runs Windows Server 2019.

From Server1, you create a container image named image1.

You need to add image1 to Registry1.

Which command should you run on Server1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

		push	
docker	▼		registry1.azurecr.io ▼
AzCopy			registry1.onmicrosoft.com
Robocopy			https://registry1.onmicrosoft.com
esentutl			\\registry1.blob.core.windows.net

Answer:

Answer Area

		push	
docker	▼		**registry1.azurecr.io** ▼
AzCopy			registry1.onmicrosoft.com
Robocopy			https://registry1.onmicrosoft.com
esentutl			\\registry1.blob.core.windows.net

Explanation:
An Azure container registry stores and manages private Docker container images, similar to the way Docker Hub stores public Docker images. You can use the Docker command-line interface (Docker CLI) for login, push, pull, and other operations on your container registry.

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