



AZ-500^{Q&As}

Microsoft Azure Security Technologies

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QUESTION 1

You are troubleshooting a security issue for an Azure Storage account.

You enable the diagnostic logs for the storage account.

What should you use to retrieve the diagnostics logs?

- A. Azure Storage Explorer
- B. SQL query editor in Azure
- C. File Explorer in Windows
- D. Azure Security Center

Correct Answer: A

If you want to download the metrics for long-term storage or to analyze them locally, you must use a tool or write some code to read the tables. You must download the minute metrics for analysis. The tables do not appear if you list all the tables in your storage account, but you can access them directly by name. Many storage-browsing tools are aware of these tables and enable you to view them directly (see Azure Storage Client Tools for a list of available tools).

Microsoft provides several graphical user interface (GUI) tools for working with the data in your Azure Storage account. All of the tools outlined in the following table are free.

Azure Storage client tool	Supported platforms	Block Blob	Page Blob	Append Blob	Tables	Queues	Files
Azure portal	Web	Yes	Yes	Yes	Yes	Yes	Yes
Azure Storage Explorer	Windows, OSX	Yes	Yes	Yes	Yes	Yes	Yes
Microsoft Visual Studio Cloud Explorer	Windows	Yes	Yes	Yes	Yes	Yes	No

Note:

There are several versions of this question in the exam. The questions in the exam have two different correct answers:

1.
Azure Storage Explorer
2.
AZCopy

Other incorrect answer options you may see on the exam include the following:

- 1.



Azure Monitor

2.

The Security and Compliance admin center

3.

Azure Cosmos DB explorer

4.

Azure Monitor

References: <https://docs.microsoft.com/en-us/azure/storage/common/storage-analyticsmetrics?toc=%2fazure%2fstorage%2fblobs%2ftoc.json> <https://docs.microsoft.com/en-us/azure/storage/common/storage-explorers>

QUESTION 2

You have an Azure subscription that contains virtual machines.

You enable just in time (JIT) VM access to all the virtual machines.

You need to connect to a virtual machine by using Remote Desktop.

What should you do first?

- A. From Azure Directory (Azure AD) Privileged Identity Management (PIM), activate the Security administrator user role.
- B. From Azure Active Directory (Azure AD) Privileged Identity Management (PIM), activate the Owner role for the virtual machine.
- C. From the Azure portal, select the virtual machine, select Connect, and then select Request access.
- D. From the Azure portal, select the virtual machine and add the Network Watcher Agent virtual machine extension.

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/azure/virtual-machines/windows/connect-logon>

QUESTION 3

HOTSPOT

You plan to use Azure Sentinel to create an analytic rule that will detect suspicious threats and automate responses.

Which components are required for the rule? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Detect suspicious threats:

- A kusto query language query
- A Transact-SQL query
- An Azure PowerShell script
- An Azure Sentinel playbook

Automate responses:

- An Azure Functions app
- An Azure PowerShell script
- An Azure Sentinel playbook
- An Azure Sentinel workbook

Correct Answer:

Detect suspicious threats:

- A kusto query language query
- A Transact-SQL query
- An Azure PowerShell script
- An Azure Sentinel playbook

Automate responses:

- An Azure Functions app
- An Azure PowerShell script
- An Azure Sentinel playbook
- An Azure Sentinel workbook

Reference: <https://docs.microsoft.com/en-us/azure/sentinel/tutorial-detect-threats-custom> <https://docs.microsoft.com/en-us/azure/sentinel/tutorial-detect-threats-custom>



us/azure/sentinel/tutorial-respond-threats-playbook

QUESTION 4

Your company has an Azure subscription named Sub1 that is associated to an Azure Active Directory Azure (Azure AD) tenant named contoso.com.

The company develops a mobile application named App1. App1 uses the OAuth 2 implicit grant type to acquire Azure AD access tokens.

You need to register App1 in Azure AD.

What information should you obtain from the developer to register the application?

- A. a redirect URI
- B. a reply URL
- C. a key
- D. an application ID

Correct Answer: A

For Native Applications you need to provide a Redirect URI, which Azure AD will use to return token responses.

References: <https://docs.microsoft.com/en-us/azure/active-directory/develop/v1-protocols-oauth-code>

QUESTION 5

SIMULATION

You need to configure a weekly backup of an Azure SQL database named Homepage. The backup must be retained for eight weeks.

To complete this task, sign in to the Azure portal.

- A. See the below.

Correct Answer: A

You need to configure the backup policy for the Azure SQL database.

1.

In the Azure portal, type Azure SQL Database in the search box, select Azure SQL Database from the search results then select Homepage. Alternatively, browse to Azure SQL Database in the left navigation pane.

2.

Select the server hosting the Homepage database and click on Manage backups.

3.



Click on Configure policies.

4.

Ensure that the Weekly Backups option is ticked.

5.

Configure the How long would you like weekly backups to be retained option to 8 weeks.

6.

Click Apply to save the changes.

QUESTION 6

SIMULATION

You need to ensure that only devices connected to a 131.107.0.0/16 subnet can access data in the rg1lod10598168 Azure Storage account.

To complete this task, sign in to the Azure portal.

A. See the below.

Correct Answer: A

Step 1:

1.

In Azure portal go to the storage account you want to secure. Here: rg1lod10598168

2.

Click on the settings menu called Firewalls and virtual networks.

3.

To deny access by default, choose to allow access from Selected networks. To allow traffic from all networks, choose to allow access from All networks.

4.

Click Save to apply your changes.

Step 2:

1.

Go to the storage account you want to secure. Here: rg1lod10598168

2.

Click on the settings menu called Firewalls and virtual networks.



3.

Check that you've selected to allow access from Selected networks.

4.

To grant access to a virtual network with a new network rule, under Virtual networks, click Add existing virtual network, select Virtual networks and Subnets options. Enter the 131.107.0.0/16 subnet and then click Add.

Note: When network rules are configured, only applications requesting data over the specified set of networks can access a storage account. You can limit access to your storage account to requests originating from specified IP addresses, IP ranges or from a list of subnets in an Azure Virtual Network (VNet).

Reference: <https://docs.microsoft.com/en-us/azure/storage/common/storage-network-security>

QUESTION 7

You have an Azure key vault.

You need to delegate administrative access to the key vault to meet the following requirements:

1.

Provide a user named User1 with the ability to set advanced access policies for the key vault.

2.

Provide a user named User2 with the ability to add and delete certificates in the key vault.

3.

Use the principle of least privilege.

What should you use to assign access to each user? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

User1:

	▼
A key vault access policy	
Azure Information Protection	
Azure Policy	
Managed identities for Azure resources	
RBAC	

User2:

	▼
A key vault access policy	
Azure Information Protection	
Azure Policy	
Managed identities for Azure resources	
RBAC	

Correct Answer:



Answer Area

User1: ▼

A key vault access policy
Azure Information Protection
Azure Policy
Managed identities for Azure resources
RBAC

User2: ▼

A key vault access policy
Azure Information Protection
Azure Policy
Managed identities for Azure resources
RBAC

User1: RBAC

RBAC is used as the Key Vault access control mechanism for the management plane. It would allow a user with the proper identity to:

1.
set Key Vault access policies
2.
create, read, update, and delete key vaults
3.
set Key Vault tags

Note: Role-based access control (RBAC) is a system that provides fine-grained access management of Azure resources. Using RBAC, you can segregate duties within your team and grant only the amount of access to users that they need to

perform their jobs.



User2: A key vault access policy

A key vault access policy is the access control mechanism to get access to the key vault data plane. Key Vault access policies grant permissions separately to keys, secrets, and certificates.

References: <https://docs.microsoft.com/en-us/azure/key-vault/key-vault-secure-your-key-vault>

QUESTION 8

You have Azure virtual machines that have Update Management enabled. The virtual machines are configured as shown in the following table.

Name	Operating system	Region	Resource group
VM1	Windows Server 2012	East US	RG1
VM2	Windows Server 2012 R2	West US	RG1
VM3	Windows Server 2016	West US	RG2
VM4	Ubuntu Server 18.04 LTS	West US	RG2
VM5	Red Hat Enterprise Linux 7.4	East US	RG1
VM6	CentOS 7.5	East US	RG1

You schedule two update deployments named Update1 and Update2. Update1 updates VM3. Update2 updates VM6.

Which additional virtual machines can be updated by using Update1 and Update2? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

Update1:

	▼
VM2 only	
VM4 only	
VM1 and VM2 only	
VM1, VM2, VM4, VM5, and VM6	

Update2:

	▼
VM5 only	
VM1 and VM5 only	
VM4 and VM5 only	
VM1, VM2, and VM5 only	
VM1, VM2, VM3, VM4, and VM5	

Correct Answer:



Answer Area

Update1:

VM2 only
VM4 only
VM1 and VM2 only
VM1, VM2, VM4, VM5, and VM6

Update2:

VM5 only
VM1 and VM5 only
VM4 and VM5 only
VM1, VM2, and VM5 only
VM1, VM2, VM3, VM4, and VM5

Update1: VM1 and VM2 only VM3: Windows Server 2016 West US RG2

Update2: VM4 and VM5 only VM6: CentOS 7.5 East US RG1

For Linux, the machine must have access to an update repository. The update repository can be private or public.

References: <https://docs.microsoft.com/en-us/azure/automation/automation-update-management>

QUESTION 9

You have an Azure subscription that contains a resource group named RG1 and a security group serverless RG1 contains 10 virtual machine, a virtual network VNET1, and a network security group (NSG) named NSG1. ServerAdmins can

access the virtual machines by using RDP. You need to ensure that NSG1 only RDP connections to the virtual for a maximum of 60 minutes when a member of ServerAdmins requests access.

What should you configure?

- A. an Azure Active Directory (Azure AD) Privileged identity Management (PIM) role assignment.
- B. a just in time (JIT) VM access policy in Azure Security Center
- C. an azure policy assigned to RG1.



D. an Azure Bastion host on VNET1.

Correct Answer: A

QUESTION 10

You have an Azure subscription.

You create an Azure web app named Contoso1812 that uses an S1 App service plan.

You create a DNS record for www.contoso.com that points to the IP address of Contoso1812.

You need to ensure that users can access Contoso1812 by using the <https://www.contoso.com> URL.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Turn on the system-assigned managed identity for Contoso1812.
- B. Add a hostname to Contoso1812.
- C. Scale out the App Service plan of Contoso1812.
- D. Add a deployment slot to Contoso1812.
- E. Upload a PFX file to Contoso1812

Correct Answer: BE

B: You can configure Azure DNS to host a custom domain for your web apps. For example, you can create an Azure web app and have your users access it using either www.contoso.com or contoso.com as a fully qualified domain name (FQDN).

To do this, you have to create three records:

A root "A" record pointing to contoso.com

A root "TXT" record for verification

A "CNAME" record for the www name that points to the A record

F: To use HTTPS, you need to upload a PFX file to the Azure Web App. The PFX file will contain the SSL certificate required for HTTPS.

References:

<https://docs.microsoft.com/en-us/azure/dns/dns-web-sites-custom-domain>

QUESTION 11

You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant and a user named User1.



The App registrations settings for the tenant are configured as shown in the following exhibit.



You plan to deploy an app named App1.

You need to ensure that User1 can register App1 in Azure AD. The solution must use the principle of least privilege.

Which role should you assign to User1?

- A. App Configuration Data Owner for the subscription
- B. Managed Application Contributor for the subscription
- C. Cloud application administrator in Azure AD
- D. Application developer in Azure AD.

Correct Answer: D

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/roles/delegate-by-task>

QUESTION 12

HOTSPOT

Your network contains an on-premises Active Directory domain that syncs to an Azure Active Directory (Azure AD) tenant. The tenant contains the users shown in the following table.

Name	Source
User1	Azure AD
User2	Azure AD
User3	On-premises Active Directory

The tenant contains the groups shown in the following table.

Name	Members
Group1	User1, User2, User3
Group2	User2

You configure a multi-factor authentication (MFA) registration policy that and the following settings:



Assignments:

-Include: Group1

-Exclude Group2 Controls: Require Azure MFA registration Enforce Policy: On

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

Hot Area:

Statements	Yes	No
User1 will be prompted to configure MFA registration during the user's next Azure AD authentication.	<input type="radio"/>	<input type="radio"/>
User2 must configure MFA during the user's next Azure AD authentication.	<input type="radio"/>	<input type="radio"/>
User3 will be prompted to configure MFA registration during the user's next Azure AD authentication.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
User1 will be prompted to configure MFA registration during the user's next Azure AD authentication.	<input checked="" type="radio"/>	<input type="radio"/>
User2 must configure MFA during the user's next Azure AD authentication.	<input type="radio"/>	<input checked="" type="radio"/>
User3 will be prompted to configure MFA registration during the user's next Azure AD authentication.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 13

HOTSPOT

You need to ensure that the Azure AD application registration and consent configurations meet the identity and access requirements.

What should you use in the Azure portal? To answer, select the appropriate options in the answer area.



NOTE: Each correct selection is worth one point.

Hot Area:

To configure the registration settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

To configure the consent settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

Correct Answer:

To configure the registration settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

To configure the consent settings:

	▼
Azure AD – User settings	
Azure AD – App registrations settings	
Enterprise Applications – User settings	

Reference: <https://docs.microsoft.com/en-us/azure/active-directory/manage-apps/configure-user-consent>



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