



# AZ-305<sup>Q&As</sup>

Designing Microsoft Azure Infrastructure Solutions

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### QUESTION 1

#### HOTSPOT

You are designing an access policy for your company.

Occasionally, the developers at the company must stop, start, and restart Azure virtual machines. The development team changes often.

You need to recommend a solution to provide the developers with the required access to the virtual machines. The solution must meet the following requirements:

1.  
Provide permissions only when needed.
2.  
Use the principle of least privilege.
3.  
Minimize costs.

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.

Hot Area:

#### Answer Area

Azure Active Directory (Azure AD) license:

	▼
Free	
Premium P1	
Premium P2	

Security feature:

	▼
Just in time VM access	
A conditional access policy	
Azure AD Privileged Identity Management	

Correct Answer:



### Answer Area

Azure Active Directory (Azure AD) license:

Free
Premium P1
Premium P2

Security feature:

Just in time VM access
A conditional access policy
Azure AD Privileged Identity Management

### QUESTION 2

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 has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs.

Solution: Install and configure the Microsoft Monitoring Agent and the Dependency Agent on all VMs. Use the Wire Data solution in Azure Monitor to analyze the network traffic.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Note: Wire Data looks at network data at the application level, not down at the TCP transport layer. The solution doesn't look at individual ACKs and SYNs.

Reference: <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview>



<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

### QUESTION 3

#### HOTSPOT

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

Name	Type	Performance
storage1	StorageV2	Standard
storage2	StorageV2	Premium
storage3	BlobStorage	Standard
storage4	FileStorage	Premium

You plan to implement two new apps that have the requirements shown in the following table.

Name	Requirement
App1	Use lifecycle management to migrate app data between storage tiers
App2	Store app data in an Azure file share

Which storage accounts should you recommend using for each app? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



## Answer Area

App1:

	▼
Storage1 and storage2 only	
Storage1 and storage3 only	
Storage1, storage2, and storage3 only	
Storage1, storage2, storage3, and storage4	

App2:

	▼
Storage4 only	
Storage1 and storage4 only	
Storage1, storage2, and storage4 only	
Storage1, storage2, storage3, and storage4	

Correct Answer:



## Answer Area

App1:

	▼
Storage1 and storage2 only	
Storage1 and storage3 only	
Storage1, storage2, and storage3 only	
Storage1, storage2, storage3, and storage4	

App2:

	▼
Storage4 only	
Storage1 and storage4 only	
Storage1, storage2, and storage4 only	
Storage1, storage2, storage3, and storage4	

### QUESTION 4

You are developing an app that will read activity logs for an Azure subscription by using Azure Functions.

You need to recommend an authentication solution for Azure Functions. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. an enterprise application in Azure AD
- B. system-assigned managed identities
- C. shared access signatures (SAS)
- D. application registration in Azure AD

Correct Answer: B

Azure App Service provides built-in authentication and authorization capabilities (sometimes referred to as "Easy Auth"), so you can sign in users and access data by writing minimal or no code in your web app, RESTful API, and mobile back end, and also Azure Functions.

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so you can sign in users and access data by writing minimal or no code in your web app, RESTful API, and mobile back end, and also Azure Functions.

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Microsoft Identity Platform

\*

Facebook

\*

Google

\*

Twitter

\*

Any OpenID Connect provider

Note:

A managed identity from Azure Active Directory (Azure AD) allows your app to easily access other Azure AD-protected resources such as Azure Key Vault. The identity is managed by the Azure platform and does not require you to provision

or rotate any secrets. For more about managed identities in Azure AD, see [Managed identities for Azure resources](#).

Your application can be granted two types of identities:

A system-assigned identity is tied to your application and is deleted if your app is deleted. An app can only have one system-assigned identity. A user-assigned identity is a standalone Azure resource that can be assigned to your app. An app

can have multiple user-assigned identities.

Reference: <https://learn.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>  
<https://learn.microsoft.com/en-us/azure/app-service/overview-managed-identity>

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## QUESTION 5

### HOTSPOT

You plan to develop a new app that will store business critical data. The app must meet the following requirements:

1.

Prevent new data from being modified for one year.

2.

Maximize data resiliency.



3.

Minimize read latency.

What storage solution should you recommend for the app? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Storage Account type:

Standard general-purpose v1
Standard general-purpose v2
Premium block blobs

These are the selections for Storage Account type.

Redundancy:

Zone-redundant storage (ZRS)
Locally-redundant storage (LRS)
Read-access geo-redundant storage (RA-GRS)

Correct Answer:

Storage Account type:

Standard general-purpose v1
Standard general-purpose v2
Premium block blobs

These are the selections for Storage Account type.

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Zone-redundant storage (ZRS)
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