



AZ-301^{Q&As}

Microsoft Azure Architect Design

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QUESTION 1

HOTSPOT

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders.

The API must meet the following requirements:

1.

Implement Azure Functions

2.

Provide public read-only operations

3.

Do not allow write operations

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Allowed authentication methods

	▼
All methods	
GET only	
GET and POST only	
GET, POST, and OPTIONS only	

Authorization level

	▼
Function	
Anonymous	
Admin	



Correct Answer:

Allowed authentication methods

▼
All methods
GET only
GET and POST only
GET, POST, and OPTIONS only

Authorization level

▼
Function
Anonymous
Admin

Allowed authentication methods: GET only

Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along

authentication information in the HTTP headers.

This option provides more flexibility in handling anonymous requests.

References:

<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

QUESTION 2

You need to recommend a solution for implementing the back-end tier of the payment processing system in Azure. What should you include in the recommendation?

- A. an Azure SQL Database managed instance
- B. a SQL Server database on an Azure virtual machine
- C. an Azure SQL Database single database
- D. an Azure SQL Database elastic pool



Correct Answer: C

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>

QUESTION 4

Note: This question is a part of 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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

1.
Provide access to the full .NET framework.
2.
Provide redundancy if an Azure region fails.



3.

Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy an Azure virtual machine to two Azure regions, and you create a Traffic Manager profile.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 5

You have an on-premises network and an Azure subscription. The on-premises network has several branch offices.

A branch office in Toronto contains a virtual machine named VM1 that is configured as a file server. Users access the shared files on VM1 from all the offices.

You need to recommend a solution to ensure that the users can access the shares files as quickly as possible if the Toronto branch office is inaccessible.

What should you include in the recommendation?

A. a Recovery Services vault and Azure Backup

B. an Azure file share and Azure File Sync

C. Azure blob containers and Azure File Sync

D. a Recovery Services vault and Windows Server Backup

Correct Answer: B

Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your

Azure file share.

You need an Azure file share in the same region that you want to deploy Azure File Sync.

Incorrect Answers:

A: Backups would be a slower solution.

Reference: <https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-deployment-guide>



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