

You are developing a sales application that will contain several Azure cloud services and 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 XML messages.

What should you include in the recommendation?

- A. Azure Notification Hubs
- B. Azure Queue Storage
- C. Azure Blob Storage
- D. Azure Application Gateway

Correct Answer: B

Community vote distribution

B (100%)

HOTSPOT

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You are developing a multi-tier app named App1 that will be hosted on Azure virtual machines. The peak utilization periods for App1 will be from 8 AM to 9 AM and 4 PM to 5 PM on weekdays.

You need to deploy the infrastructure for App1. The solution must meet the following requirements:

- Support virtual machines deployed to four availability zones across two Azure regions.
- Minimize costs by accumulating CPU credits during periods of low utilization.

What is the minimum number of virtual networks you should deploy, and which virtual machine size should you use? To answer, select the appropriate options in the answer area.

Answer Area

Number of virtual networks:

1
2
3
4

Virtual machine size:

A-Series
B-Series
D-Series
M-Series

Answer Area

Number of virtual networks:

1

2

3

4

Virtual machine size:

A-Series

B-Series

D-Series

M-Series

Correct Answer:

You are developing a sales application that will contain several Azure cloud services and 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 XML messages.

What should you include in the recommendation?

- A. Azure Service Bus
- B. Azure Blob Storage
- C. Azure Notification Hubs
- D. Azure Application Gateway

Correct Answer: A

Community vote distribution

A (100%)

You have an on-premises Microsoft SQL server named SQL1 that hosts 50 databases.

You plan to migrate SQL1 to Azure SQL Managed Instance.

You need to perform an offline migration of SQL1. The solution must minimize administrative effort.

What should you include in the solution?

- A. Azure Migrate
- B. Azure Database Migration Service
- C. SQL Server Migration Assistant (SSMA)
- D. Data Migration Assistant (DMA)

Correct Answer: B

Community vote distribution

B (96%)4%

You are developing a sales application that will contain several Azure cloud services and 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 XML messages.

What should you include in the recommendation?

- A. Azure Service Bus
- B. Azure Data Lake
- C. Azure Traffic Manager
- D. Azure Notification Hubs

Correct Answer: A

Community vote distribution

A (100%)

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You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using XML messages.

What should you include in the recommendation?

- A. Azure Service Bus
- B. Azure Data Lake
- C. Azure Application Gateway
- D. Azure Notification Hubs

Correct Answer: A

Community vote distribution

A (100%)

You need to design a highly available Azure SQL database that meets the following requirements:

- Failover between replicas of the database must occur without any data loss.
- The database must remain available in the event of a zone outage.
- Costs must be minimized.

Which deployment option should you use?

- A. Azure SQL Database Business Critical
- B. Azure SQL Database Hyperscale
- C. Azure SQL Managed Instance Business Critical
- D. Azure SQL Database Standard

Correct Answer: A

Community vote distribution

A (100%)

DRAG DROP

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You plan to deploy an infrastructure solution that will contain the following configurations:

- External users will access the infrastructure by using Azure Front Door.
- External user access to the backend APIs hosted in Azure Kubernetes Service (AKS) will be controlled by using Azure API Management.
- External users will be authenticated by an Azure AD B2C tenant that uses OpenID Connect-based federation with a third-party identity provider.

Which function does each service provide? To answer, drag the appropriate functions to the correct services. Each function may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Functions

Answer Area

Protection against Open Web Application Security Project (OWASP) vulnerabilities

Front Door:

IP filtering on a per-API level

API Management:

Validation of Azure B2C JSON Web Tokens (JWTs)

Answer Area

Correct Answer: Front Door:

Validation of Azure B2C JSON Web Tokens (JWTs)

API Management:

IP filtering on a per-API level

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 plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.

You need to recommend a solution to meet the regulatory requirement.

Solution: You recommend using an Azure Policy initiative to enforce the location of resource groups.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

Community vote distribution

B (96%) 4%

Your on-premises datacenter contains a server that runs Linux and hosts a Java app named App1. App1 has the following characteristics:

- App1 is an interactive app that users access by using HTTPS connections.
- The number of connections to App1 changes significantly throughout the day.
- App1 runs multiple concurrent instances.
- App1 requires major changes to run in a container.

You plan to migrate App1 to Azure.

You need to recommend a compute solution for App1. The solution must meet the following requirements:

- The solution must run multiple instances of App1.
- The number of instances must be managed automatically depending on the load.
- Administrative effort must be minimized.

What should you include in the recommendation?

- A. Azure Batch
- B. Azure App Service
- C. Azure Kubernetes Service (AKS)
- D. Azure Virtual Machine Scale Sets

Correct Answer: D

Community vote distribution

B (73%)

D (24%)

HOTSPOT

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You have an Azure App Service web app named Webapp1 that connects to an Azure SQL database named DB1. Webapp1 and DB1 are deployed to the East US Azure region.

You need to ensure that all the traffic between Webapp1 and DB1 is sent via a private connection.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Create a virtual network that contains at least:

- 1 subnet
- 2 subnets
- 3 subnets

From the virtual network, configure name resolution to use:

- A private DNS zone
- A public DNS zone
- The Azure DNS Private Resolver

Answer Area

Create a virtual network that contains at least:

- 1 subnet
- 2 subnets
- 3 subnets

Correct Answer:

From the virtual network, configure name resolution to use:

- A private DNS zone
- A public DNS zone
- The Azure DNS Private Resolver

HOTSPOT

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Your on-premises network contains an Active Directory Domain Services (AD DS) domain. The domain contains a server named Server1. Server1 contains an app named App1 that uses AD DS authentication. Remote users access App1 by using a VPN connection to the on-premises network.

You have an Azure AD tenant that syncs with the AD DS domain by using Azure AD Connect.

You need to ensure that the remote users can access App1 without using a VPN. The solution must meet the following requirements:

- Ensure that the users authenticate by using Azure Multi-Factor Authentication (MFA).
- Minimize administrative effort.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

In Azure AD:

- A managed identity
- An access package
- An app registration
- An enterprise application

On-premises:

- A server that runs Windows Server and has the Azure AD Application Proxy connector installed
- A server that runs Windows Server and has the on-premises data gateway (standard mode) installed
- A server that runs Windows Server and has the Web Application Proxy role service installed

Correct Answer:**Answer Area**

In Azure AD:

- A managed identity
- An access package
- An app registration
- An enterprise application**

On-premises:

- A server that runs Windows Server and has the Azure AD Application Proxy connector installed**
- A server that runs Windows Server and has the on-premises data gateway (standard mode) installed
- A server that runs Windows Server and has the Web Application Proxy role service installed

You have an Azure subscription that contains an Azure Kubernetes Service (AKS) instance named AKS1. AKS1 hosts microservice-based APIs that are configured to listen on non-default HTTP ports.

You plan to deploy a Standard tier Azure API Management instance named APIM1 that will make the APIs available to external users.

You need to ensure that the AKS1 APIs are accessible to APIM1. The solution must meet the following requirements:

- Implement mTLS authentication between APIM1 and AKS1.
- Minimize development effort.
- Minimize costs.

What should you do?

- A. Implement an external load balancer on AKS1.
- B. Redeploy APIM1 to the virtual network that contains AKS1.
- C. Implement an ExternalName service on AKS1.
- D. Deploy an ingress controller to AKS1.

Correct Answer: D

Community vote distribution

D (100%)

HOTSPOT

You need to recommend a solution to integrate Azure Cosmos DB and Azure Synapse. The solution must meet the following requirements:

- Traffic from an Azure Synapse workspace to the Azure Cosmos DB account must be sent via the Microsoft backbone network.
- Traffic from the Azure Synapse workspace to the Azure Cosmos DB account must NOT be routed over the internet.
- Implementation effort must be minimized.

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

When provisioning the Azure Synapse workspace:

Configure a dedicated managed virtual network.

Disable public network access to the workspace endpoints.

Enable the use of the Azure AD authentication.

When configuring the Azure Cosmos DB account, enable:

Managed private endpoints

Server-level firewall rules

Service endpoint policies

Answer Area

When provisioning the Azure Synapse workspace:

Configure a dedicated managed virtual network.

Disable public network access to the workspace endpoints.

Enable the use of the Azure AD authentication.

When configuring the Azure Cosmos DB account, enable:

Managed private endpoints.

Server-level firewall rules

Service endpoint policies

Correct Answer:

You have an Azure subscription that contains an Azure Cosmos DB for NoSQL account named account1 and an Azure Synapse Analytics workspace named Workspace1. The account1 account contains a container named Contained that has the analytical store enabled.

You need to recommend a solution that will process the data stored in Contained in near-real-time (NRT) and output the results to a data warehouse in Workspace1 by using a runtime engine in the workspace. The solution must minimize data movement.

Which pool in Workspace1 should you use?

- A. Apache Spark
- B. serverless SQL
- C. dedicated SQL
- D. Data Explorer

Correct Answer: B

Community vote distribution

D (60%)

A (20%)

C (20%)