

Reference:
<https://www.parkmycloud.com/blog/azure-low-priority-vms>
<https://azure.microsoft.com/en-us/pricing/details/batch/>

Question #65

Topic 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 Notification Hubs
- B. Azure Service Fabric
- C. Azure Queue Storage
- D. Azure Data Lake

Correct Answer: C

Queue Storage delivers asynchronous messaging between application components, whether they are running in the cloud, on the desktop, on an on-premises server, or on a mobile device.

The maximum message size supported by Azure Storage Queues is 64KB while Azure Service Bus Queues support messages up to 256KB. This becomes an important factor especially when the message format is padded (such as XML).

Reference:
<https://docs.microsoft.com/en-us/azure/storage/queues/storage-dotnet-how-to-use-queues> <https://blog.kloud.com.au/2016/03/01/cloud-cushioning-using-azure-queues/>

Community vote distribution

C (94%)

6%

Question #66

Topic 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 Notification Hubs
- B. Azure Service Fabric
- C. Azure Queue Storage
- D. Azure Application Gateway

Correct Answer: C

Queue storage is often used to create a backlog of work to process asynchronously.

A queue message must be in a format compatible with an XML request using UTF-8 encoding.

Reference:
<https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues>

Community vote distribution

C (90%)

10%

Question #67

Topic 4

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 Hyperscale

B. Azure SQL Database Premium

C. Azure SQL Database Basic

D. Azure SQL Database Standard

Correct Answer: B

Community vote distribution

B (87%)

13%

Question #68

Topic 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 Blob Storage

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 Basic
- B. Azure SQL Managed Instance General Purpose
- C. Azure SQL Database Business Critical
- D. Azure SQL Managed Instance Business Critical

Correct Answer: C

Community vote distribution

C (75%)

B (23%)

You have an Azure subscription.

You need to deploy an Azure Kubernetes Service (AKS) solution that will use Windows Server 2019 nodes. The solution must meet the following requirements:

- Minimize the time it takes to provision compute resources during scale-out operations.
- Support autoscaling of Windows Server containers.

Which scaling option should you recommend?

- A. horizontal pod autoscaler
- B. Virtual nodes
- C. Kubernetes version 1.20.2 or newer
- D. cluster autoscaler

Correct Answer: D

Community vote distribution

D (100%)

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 Fabric
- B. Azure Data Lake
- C. Azure Service Bus
- D. Azure Application Gateway

Correct Answer: C

Community vote distribution

C (100%)

Your company has offices in North America and Europe.

You plan to migrate to Azure.

You need to recommend a networking solution for the new Azure infrastructure. The solution must meet the following requirements:

- The Point-to-Site (P2S) VPN connections of mobile users must connect automatically to the closest Azure region.
- The offices in each region must connect to their local Azure region by using an ExpressRoute circuit.
- Transitive routing between virtual networks and on-premises networks must be supported.
- The network traffic between virtual networks must be filtered by using FQDNs.

What should you include in the recommendation?

- A. Azure Virtual WAN with a secured virtual hub
- B. virtual network peering and application security groups
- C. virtual network gateways and network security groups (NSGs)
- D. Azure Route Server and Azure Network Function Manager

Correct Answer: C

Community vote distribution

A (93%)5%

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 Managed Instance Business Critical
- C. Azure SQL Database Standard
- D. Azure SQL Managed Instance General Purpose

Correct Answer: A

Community vote distribution



You are designing a point of sale (POS) solution that will be deployed across multiple locations and will use an Azure Databricks workspace in the Standard tier. The solution will include multiple apps deployed to the on-premises network of each location.

You need to configure the authentication method that will be used by the app to access the workspace. The solution must minimize the administrative effort associated with staff turnover and credential management.

What should you configure?

- A. a managed identity
- B. a service principal
- C. a personal access token

Correct Answer: B

Community vote distribution



HOTSPOT

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You have two Azure AD tenants named contoso.com and fabrikam.com. Each tenant is linked to 50 Azure subscriptions. Contoso.com contains two users named User1 and User2.

You need to meet the following requirements:

- Ensure that User1 can change the Azure AD tenant linked to specific Azure subscriptions.
- If an Azure subscription is linked to a new Azure AD tenant, and no available Azure AD accounts have full subscription-level permissions to the subscription, elevate the access of User2 to the subscription.

The solution must use the principle of least privilege.

Which role should you assign to each user? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

User1:

	▼
Co-administrator	
Owner	
Service administrator	

User2:

	▼
Co-administrator	
Owner	
Service administrator	

Answer Area

Correct Answer: User1:

	▼
Co-administrator	
Owner	
Service administrator	

User2:

	▼
Co-administrator	
Owner	
Service administrator	

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure AD tenant
East	Sub1	Contoso.com
West	Sub2	Fabrikam.com

Sub1 contains an Azure App Service web app named App1. App1 uses Azure AD for single-tenant user authentication. Users from contoso.com can authenticate to App1.

You need to recommend a solution to enable users in the fabrikam.com tenant to authenticate to App1.

What should you recommend?

- A. Configure a Conditional Access policy.
- B. Use Azure AD entitlement management to govern external users.
- C. Configure the Azure AD provisioning service.
- D. Configure Azure AD Identity Protection.

Correct Answer: C

Community vote distribution

B (100%)

You have a multi-tier app named App1 and an Azure SQL database named SQL1. The backend service of App1 writes data to SQL1. Users use the App1 client to read the data from SQL1.

During periods of high utilization, the users experience delays retrieving the data.

You need to minimize how long it takes for data requests.

What should you include in the solution?

- A. Azure Cache for Redis
- B. Azure Content Delivery Network (CDN)
- C. Azure Data Factory
- D. Azure Synapse Analytics

Correct Answer: A

Community vote distribution

A (100%)

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

Name	Type	Description
VM1	Virtual machine	Frontend component in the Central US Azure region
VM2	Virtual machine	Backend component in the East US Azure region
VM3	Virtual machine	Backend component in the West US 2 Azure region
VNet1	Virtual network	Hosts VM1
VNet2	Virtual network	Hosts VM2
VNet3	Virtual network	Hosts VM3

You create peering between VNet1 and VNet2 and between VNet1 and VNet3.

The virtual machines host an HTTPS-based client/server application and are accessible only via the private IP address of each virtual machine.

You need to implement a load balancing solution for VM2 and VM3. The solution must ensure that if VM2 fails, requests will be routed automatically to VM3, and if VM3 fails, requests will be routed automatically to VM2.

What should you include in the solution?

- A. Azure Firewall Premium
- B. Azure Application Gateway v2
- C. a cross-region load balancer
- D. Azure Front Door Premium

Correct Answer: D

Community vote distribution

D (93%)

7%

You are designing an app that will include two components. The components will communicate by sending messages via a queue.

You need to recommend a solution to process the messages by using a First in, First out (FIFO) pattern.

What should you include in the recommendation?

- A. storage queues with a custom metadata setting
- B. Azure Service Bus queues with partitioning enabled
- C. Azure Service Bus queues with sessions enabled
- D. storage queues with a stored access policy

Correct Answer: C

Community vote distribution

C (100%)

HOTSPOT

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You need to deploy an instance of SQL Server on Azure Virtual Machines. The solution must meet the following requirements:

- Support 15,000 disk IOPS.
- Support SR-IOV.
- Minimize costs.

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

Virtual machine series:

▼

DS
NC
NV

Disk type:

▼

Standard SSD
Premium SSD
Ultra Disk

Answer Area

Virtual machine series:

▼

DS
NC
NV

Correct Answer:

Disk type:

▼

Standard SSD
Premium SSD
Ultra Disk

You are developing an app that will use Azure Functions to process Azure Event Hubs events. Request processing is estimated to take between five and 20 minutes.

You need to recommend a hosting solution that meets the following requirements:

- Supports estimates of request processing runtimes
- Supports event-driven autoscaling for the app

Which hosting plan should you recommend?

- A. Dedicated
- B. Consumption
- C. App Service
- D. Premium

Correct Answer: *D*

Community vote distribution

D (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 Notification Hubs
- B. Azure Application Gateway
- C. Azure Service Bus
- D. Azure Traffic Manager

Correct Answer: *C*

Community vote distribution

C (100%)