

topic 4 question 12 discussion

Actual exam question from Microsoft's AZ-305

Question #: 12

Topic #: 4

[\[All AZ-305 Questions\]](#)

Your company has an app named App1 that uses data from the on-premises Microsoft SQL Server databases shown in the following table.

NAME	SIZE
DB1	400 GB
DB2	250 GB
DB3	300 GB
DB4	50 GB

App1 and the data are used on the first day of the month only. The data is not expected to grow more than 3 percent each year.

The company is rewriting App1 as an Azure web app and plans to migrate all the data to Azure.

You need to migrate the data to Azure SQL Database and ensure that the database is only available on the first day of each month.

Which service tier should you use?

A. vCore-based General Purpose Most Voted

B. DTU-based Standard

C. vCore-based Business Critical

D. DTU-based Basic

[Hide Answer](#)

Suggested Answer: A 

Community vote distribution

A (81%)

Other



topic 4 question 13 discussion

Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. Azure Traffic Manager

[Hide Answer](#)

Suggested Answer: C 📦

Community vote distribution

C (100%)

topic 4 question 14 discussion

Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 4

[\[All AZ-305 Questions\]](#)

Your company has 300 virtual machines hosted in a VMware environment. The virtual machines vary in size and have various utilization levels.

You plan to move all the virtual machines to Azure.

You need to recommend how many and what size Azure virtual machines will be required to move the current workloads to Azure. The solution must minimize administrative effort.

What should you use to make the recommendation?

- A. Azure Pricing calculator
- B. Azure Advisor
- C. Azure Migrate Most Voted
- D. Azure Cost Management

[Hide Answer](#)

Suggested Answer: C 🏆

Community vote distribution

C (100%)

by  default_wizard at Dec. 13, 2021, 7:26 p.m.

topic 4 question 15 discussion

Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 4

[\[All AZ-305 Questions\]](#)

You plan to provision a High Performance Computing (HPC) cluster in Azure that will use a third-party scheduler.

You need to recommend a solution to provision and manage the HPC cluster node.

What should you include in the recommendation?

A. Azure Automation

B. Azure CycleCloud Most Voted

C. Azure Purview

D. Azure Lighthouse

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (100%)

by  Eltooth at Dec. 16, 2021, 8:04 a.m.

topic 4 question 16 discussion

Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 4

[All AZ-305 Questions]

HOTSPOT -

You are designing an Azure App Service web app.

You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region.

You need to recommend a solution for the web app. The solution must meet the following requirements:

- ⇒ Users must always access the web app from the North Europe region, unless the region fails.
- ⇒ The web app must be available to users if an Azure region is unavailable.
- ⇒ Deployment costs 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.

Hot Area:

Answer Area

Request routing method:

A Traffic Manager profile
Azure Application Gateway
Azure Load Balancer

Request routing configuration:

Cookie-based session affinity
Performance traffic routing
Priority traffic routing
Weighted traffic routing

[Hide Answer](#)

Suggested Answer:

Answer Area

Request routing method:

A Traffic Manager profile
Azure Application Gateway
Azure Load Balancer

Request routing configuration:

Cookie-based session affinity
Performance traffic routing
Priority traffic routing
Weighted traffic routing

Box 1: A Traffic Manager profile

To support load balancing across the regions we need a Traffic Manager.

Box 2: Priority traffic routing -

Priority traffic-routing method.

Often an organization wants to provide reliability for their services. To do so, they deploy one or more backup services in case their primary goes down. The 'Priority' traffic-routing method allows Azure customers to easily implement this failover pattern.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/app-service-web-app/multi-region> <https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods>

topic 4 question 17 discussion

Actual exam question from Microsoft's AZ-305

Question #: 17

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

You plan to deploy multiple instances of an Azure web app across several Azure regions.

You need to design an access solution for the app. The solution must meet the following replication requirements:

- ☞ Support rate limiting.
- ☞ Balance requests between all instances.
- ☞ Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Traffic Manager to provide access to the app.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 18 discussion

Actual exam question from Microsoft's AZ-305

Question #: 18

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

You plan to deploy multiple instances of an Azure web app across several Azure regions.

You need to design an access solution for the app. The solution must meet the following replication requirements:

- ☞ Support rate limiting.
- ☞ Balance requests between all instances.
- ☞ Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Load Balancer to provide access to the app.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 19 discussion

Actual exam question from Microsoft's AZ-305

Question #: 19

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

You plan to deploy multiple instances of an Azure web app across several Azure regions.

You need to design an access solution for the app. The solution must meet the following replication requirements:

- ☞ Support rate limiting.
- ☞ Balance requests between all instances.
- ☞ Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Application Gateway to provide access to the app.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 20 discussion

Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region.

Each on-premises site has ExpressRoute Global Reach circuits to both regions.

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

☞ Outbound traffic to the internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site.

☞ If an on-premises site fails, traffic from the workloads on the virtual networks to the internet must reroute automatically to the other site.

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

Routing from the virtual networks to the on-premises locations must be configured by using:

Azure default routes
Border Gateway Protocol (BGP)
User-defined routes

The automatic routing configuration following a failover must be handled by using:

Border Gateway Protocol (BGP)
Hot Standby Routing Protocol (HSRP)
Virtual Router Redundancy Protocol (VRRP)

[Hide Answer](#)

Suggested Answer:

Answer Area

Routing from the virtual networks to the on-premises locations must be configured by using:

Azure default routes
Border Gateway Protocol (BGP)
User-defined routes

The automatic routing configuration following a failover must be handled by using:

Border Gateway Protocol (BGP)
Hot Standby Routing Protocol (HSRP)
Virtual Router Redundancy Protocol (VRRP)

Box 1: Border Gateway Protocol (BGP)

An on-premises network gateway can exchange routes with an Azure virtual network gateway using the border gateway protocol (BGP). Using BGP with an Azure virtual network gateway is dependent on the type you selected when you created the gateway. If the type you selected were:

ExpressRoute: You must use BGP to advertise on-premises routes to the Microsoft Edge router. You cannot create user-defined routes to force traffic to the

ExpressRoute virtual network gateway if you deploy a virtual network gateway deployed as type:

ExpressRoute. You can use user-defined routes for forcing traffic from the Express Route to, for example, a Network Virtual Appliance.

Box 2: Border Gateway Protocol (BGP)

Incorrect:

Microsoft does not support HSRP or VRRP for high availability configurations.

Reference:

<https://docs.microsoft.com/ja-jp/azure/expressroute/designing-for-disaster-recovery-with-expressroute-privatepeering> <https://docs.microsoft.com/en-us/azure/expressroute/expressroute-routing>

topic 4 question 21 discussion

Actual exam question from Microsoft's AZ-305

Question #: 21

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You are designing an application that will use Azure Linux virtual machines to analyze video files. The files will be uploaded from corporate offices that connect to Azure by using ExpressRoute.

You plan to provision an Azure Storage account to host the files.

You need to ensure that the storage account meets the following requirements:

- ⇒ Supports video files of up to 7 TB
- ⇒ Provides the highest availability possible
- ⇒ Ensures that storage is optimized for the large video files
- ⇒ Ensures that files from the on-premises network are uploaded by using ExpressRoute

How should you configure the storage account? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Storage account type:

Premium files shares
Premium page blobs
Standard general-purpose v2

Data redundancy:

Zone redundant storage (ZRS)
Locally-redundant storage (LRS)
Geo-redundant storage (GRS)

Networking:

Azure Route Server
A private endpoint
A service endpoint

[Hide Answer](#)

Suggested Answer:

Answer Area

Storage account type:

Premium files shares
Premium page blobs
Standard general-purpose v2

Data redundancy:

Zone-redundant storage (ZRS)
Locally-redundant storage (LRS)
Geo-redundant storage (GRS)

Networking:

Azure Route Server
A private endpoint
A service endpoint

Box 1: Premium page blobs -

The maximum size for a page blob is 8 TiB.

Incorrect:

Not Premium file shares:

Max file size for Standard and Premium file shares are 4 TB.

Box 2: Geo-redundant storage (GRS)

GRS provides additional redundancy for data storage compared to LRS or ZRS.

Box 3: A private endpoint -

Azure Private Link allows you to securely link Azure PaaS services to your virtual network using private endpoints. For many services, you just set up an endpoint per resource. This means you can connect your on-premises or multi-cloud servers with Azure Arc and send all traffic over an Azure ExpressRoute or site-to-site VPN connection instead of using public networks.

Reference:

<https://docs.microsoft.com/en-us/rest/api/storageservices/understanding-block-blobs-append-blobs-and-page-blobs> <https://docs.microsoft.com/en-us/azure/storage/files/storage-files-scale-targets> <https://docs.microsoft.com/en-us/azure/azure-arc/servers/private-link-security>

topic 4 question 22 discussion

Actual exam question from Microsoft's AZ-305

Question #: 22

Topic #: 4

[\[All AZ-305 Questions\]](#)

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:

- ⇒ Implement Azure Functions.
- ⇒ Provide public read-only operations.
- ⇒ Prevent write operations.

You need to recommend which HTTP methods and authorization level to configure.

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:

Answer Area

HTTP methods:

API methods
GET only
GET and POST only
GET, POST, and OPTIONS only

Authorization level:

Function
Anonymous
Admin

[Hide Answer](#)

Suggested Answer:

Answer Area

HTTP methods:

API methods
GET only
GET and POST only
GET, POST, and OPTIONS only

Authorization level:

Function
Anonymous
Admin

Box 1: GET only -

Get for read-only-

Box 2: Anonymous -

Anonymous for public operations.

topic 4 question 23 discussion

Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

- ☞ Only allow the creation of the virtual machines in specific regions.
- ☞ Only allow the creation of specific sizes of virtual machines.

What should you include in the recommendation?

A. Azure Resource Manager (ARM) templates

B. Azure Policy Most Voted

C. Conditional Access policies

D. role-based access control (RBAC)

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 24 discussion

Actual exam question from Microsoft's AZ-305

Question #: 24

Topic #: 4

[\[All AZ-305 Questions\]](#)

DRAG DROP -

You have an on-premises network that uses an IP address space of 172.16.0.0/16.

You plan to deploy 30 virtual machines to a new Azure subscription.

You identify the following technical requirements:

- ☞ All Azure virtual machines must be placed on the same subnet named Subnet1.
- ☞ All the Azure virtual machines must be able to communicate with all on-premises servers.
- ☞ The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

You need to recommend a subnet design that meets the technical requirements.

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnets. Each network address 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.

Select and Place:

Network Addresses **Answer Area**

172.16.0.0/16
172.16.1.0/27
192.168.0.0/24
192.168.1.0/27

Subnet1:

Gateway subnet:

[Hide Answer](#)

Suggested Answer:

Network Addresses **Answer Area**

172.16.0.0/16
172.16.1.0/27
192.168.0.0/24
192.168.1.0/27

Subnet1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/27

topic 4 question 25 discussion

Actual exam question from Microsoft's AZ-305

Question #: 25

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have data files in Azure Blob Storage.

You plan to transform the files and move them to Azure Data Lake Storage.

You need to transform the data by using mapping data flow.

Which service should you use?

- A. Azure Databricks
- B. Azure Storage Sync
- C. Azure Data Factory Most Voted
- D. Azure Data Box Gateway

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

by  GarryK at Sept. 10, 2022, 10:12 p.m.

topic 4 question 26 discussion

Actual exam question from Microsoft's AZ-305

Question #: 26

Topic #: 4

[\[All AZ-305 Questions\]](#)

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. Kubernetes version 1.20.2 or newer
- B. Virtual nodes with Virtual Kubelet ACI
- C. cluster autoscaler **Most Voted**
- D. horizontal pod autoscaler

[Hide Answer](#)

Suggested Answer: C 📦

Community vote distribution

C (83%)

Other

by  GarryK at Sept. 10, 2022, 10:22 p.m.

topic 4 question 27 discussion

Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

Your on-premises network contains a file server named Server1 that stores 500 GB of data.

You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

You add a new data factory.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

From Server1:

- Install an Azure File Sync agent.
- Install a self-hosted integration runtime.
- Install the File Server Resource Manager role service.

From the data factory:

- Create a pipeline.
- Create an Azure Import/Export job.
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime.

Hide Answer

Suggested Answer:

Answer Area

From Server1:

- Install an Azure File Sync agent.
- Install a self-hosted integration runtime.**
- Install the File Server Resource Manager role service.

From the data factory:

- Create a pipeline.**
- Create an Azure Import/Export job.
- Provision an Azure-SQL Server Integration Services (SSIS) integration runtime.

Box 1: Install a self-hosted integration runtime.

If your data store is located inside an on-premises network, an Azure virtual network, or Amazon Virtual Private Cloud, you need to configure a self-hosted integration runtime to connect to it.

The Integration Runtime to be used to connect to the data store. You can use Azure Integration Runtime or Self-hosted Integration Runtime (if your data store is located in private network). If not specified, it uses the default Azure Integration Runtime.

Box 2: Create a pipeline.

You perform the Copy activity with a pipeline.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/connector-file-system>

topic 4 question 28 discussion

Actual exam question from Microsoft's AZ-305

Question #: 28

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure subscription.

You need to recommend an Azure Kubernetes Service (AKS) solution that will use Linux nodes. The solution must meet the following requirements:

- ☞ Minimize the time it takes to provision compute resources during scale-out operations.
- ☞ Support autoscaling of Linux containers.
- ☞ Minimize administrative effort.

Which scaling option should you recommend?

A. horizontal pod autoscaler

B. cluster autoscaler

C. virtual nodes Most Voted

D. Virtual Kubelet

[Hide Answer](#)

Suggested Answer: C 🏆

Community vote distribution

C (97%)

3%

topic 4 question 29 discussion

Actual exam question from Microsoft's AZ-305

Question #: 29

Topic #: 4

[\[All AZ-305 Questions\]](#)

You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

Name	Type	Purpose
App1	App Service web app	Processes customer orders
Function1	Function	Checks product availability at vendor 1
Function2	Function	Checks product availability at vendor 2
storage2	Storage account	Stores order processing logs

The order processing system will have the following transaction flow:

- ⇒ A customer will place an order by using App1.
- ⇒ When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.
- ⇒ An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.
- ⇒ Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.
- ⇒ All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component?

A. an Azure Service Bus queue

B. an Azure Data Factory pipeline Most Voted

C. an Azure Event Grid domain

D. an Azure Event Hubs capture

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (62%)

A (36%)

2

topic 4 question 30 discussion

Actual exam question from Microsoft's AZ-305

Question #: 30

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have 100 Microsoft SQL Server Integration Services (SSIS) packages that are configured to use 10 on-premises SQL Server databases as their destinations.

You plan to migrate the 10 on-premises databases to Azure SQL Database.

You need to recommend a solution to create Azure-SQL Server Integration Services (SSIS) packages.

The solution must ensure that the packages can target the SQL Database instances as their destinations.

What should you include in the recommendation?

- A. Data Migration Assistant (DMA)
- B. Azure Data Factory Most Voted
- C. Azure Data Catalog
- D. SQL Server Migration Assistant (SSMA)

[Hide Answer](#)

Suggested Answer: B 

Community vote distribution

B (100%)

topic 4 question 31 discussion

Actual exam question from Microsoft's AZ-305

Question #: 31

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.

You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage.

What should you deploy on VM1 to support the design?

- A. the On-premises data gateway
- B. the Azure Pipelines agent
- C. the self-hosted integration runtime Most Voted
- D. the Azure File Sync agent

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

by  GarryK at Sept. 10, 2022, 10:39 p.m.

topic 4 question 32 discussion

Actual exam question from Microsoft's AZ-305

Question #: 32

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.

Your company has a line-of-business (LOB) application that was developed internally.

You need to implement SAML single sign-on (SSO) and enforce multi-factor authentication (MFA) when users attempt to access the application from an unknown location.

Which two features should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Azure AD Privileged Identity Management (PIM)

B. Azure Application Gateway

C. Azure AD enterprise applications Most Voted

D. Azure AD Identity Protection

E. Conditional Access policies Most Voted

[Hide Answer](#)

Suggested Answer: CE 

Community vote distribution

CE (100%)

topic 4 question 33 discussion

Actual exam question from Microsoft's AZ-305

Question #: 33

Topic #: 4

[\[All AZ-305 Questions\]](#)

You plan to automate the deployment of resources to Azure subscriptions.

What is a difference between using Azure Blueprints and Azure Resource Manager (ARM) templates?

- A. ARM templates remain connected to the deployed resources.
- B. Only blueprints can contain policy definitions.
- C. Only ARM templates can contain policy definitions.
- D. Blueprints remain connected to the deployed resources. **Most Voted**

[Hide Answer](#)

Suggested Answer: D 🎫

Community vote distribution

D (100%)

by  [ExamTopicsTST](#) at Oct. 6, 2022, 3:12 a.m.

topic 4 question 34 discussion

Actual exam question from Microsoft's AZ-305

Question #: 34

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You have the resources shown in the following table.

Name	Type	Resource group
VM1	Azure virtual machine	RG1
VM2	On-premises virtual machine	Not applicable

You create a new resource group in Azure named RG2.

You need to move the virtual machines to RG2.

What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

VM1

Azure Arc
Azure Lighthouse
Azure Migrate
Azure Resource Mover
The Data Migration Assistant (DMA)

VM2

Azure Arc
Azure Lighthouse
Azure Migrate
Azure Resource Mover
The Data Migration Assistant (DMA)

[Hide Answer](#)

Suggested Answer:

Answer Area

VM1

Azure Arc
Azure Lighthouse
Azure Migrate
Azure Resource Mover
The Data Migration Assistant (DMA)

VM2

Azure Arc
Azure Lighthouse
Azure Migrate
Azure Resource Mover
The Data Migration Assistant (DMA)

Box 1: Azure Resource Mover -

To move Azure VMs to another region. Microsoft now recommends using Azure Resource Mover.

Incorrect:

Not Azure Migrate: We are not migrating, only moving a VM between resource groups.

Box 2: Azure Migrate -

Azure Migrate provides a centralized hub to assess and migrate on-premises servers, infrastructure, applications, and data to Azure.

Azure migrate includes Azure Migrate Server Migration: Migrate VMware VMs, Hyper-V VMs, physical servers, other virtualized servers, and public cloud VMs to Azure.

Incorrect:

Not Arc: Azure Migrate is adequate. No need to use Azure Arc.

Not Data Migration Assistant: Data Migration Assistant is a stand-alone tool to assess SQL Servers. It is used to assess SQL Server databases for migration to Azure SQL Database, Azure SQL Managed Instance, or Azure VMs running SQL Server.

Not Lighthouse: Azure Lighthouse enables multi-tenant management with scalability, higher automation, and enhanced governance across resources.

With Azure Lighthouse, service providers can deliver managed services using comprehensive and robust tooling built into the Azure platform. Customers maintain control over who has access to their tenant, which resources they can access, and what actions can be taken.

Reference:

<https://docs.microsoft.com/en-us/azure/resource-mover/overview> <https://docs.microsoft.com/en-us/azure/migrate/migrate-services-overview> <https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-tutorial-migrate>

topic 4 question 35 discussion

Actual exam question from Microsoft's AZ-305

Question #: 35

Topic #: 4

[\[All AZ-305 Questions\]](#)

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.

You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

- ⇒ Maintain access to the app in the event of a regional outage.
- ⇒ Support Azure Web Application Firewall (WAF).
- ⇒ Support cookie-based affinity.
- ⇒ Support URL routing.

What should you include in the recommendation?

A. Azure Front Door Most Voted

B. Azure Traffic Manager

C. Azure Application Gateway

D. Azure Load Balancer

[Hide Answer](#)

Suggested Answer: A 🎉

Community vote distribution

A (95%)

5%

topic 4 question 36 discussion

Actual exam question from Microsoft's AZ-305

Question #: 36

Topic #: 4

[All AZ-305 Questions]

HOTSPOT -

You have the Azure resources shown in the following table.

Name	Type	Description
VNET1	Virtual network	Connected to an on-premises network by using ExpressRoute
VM1	Virtual machine	Configured as a DNS server
SQLDB1	Azure SQL Database	Single instance
PE1	Private endpoint	Provides connectivity to SQLDB1
contoso.com	Private DNS zone	Linked to VNET1 and contains an A record for PE1
contoso.com	Public DNS zone	Contains a CNAME record for SQLDB1

You need to design a solution that provides on-premises network connectivity to SQLDB1 through PE1.

How should you configure name resolution? To answer select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Azure configuration

Configure VM1 to forward contoso.com to the public DNS zone
Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16
In VNET1, configure a custom DNS server set to the Azure provided DNS at 168.63.129.16

On-premises DNS configuration

Forward contoso.com to VM1
Forward contoso.com to the public DNS zone
Forward contoso.com to the Azure-provisioned DNS at 168.63.129.16

[Hide Answer](#)

Suggested Answer:

Answer Area

Azure configuration

Configure VM1 to forward contoso.com to the public DNS zone
Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16
In VNET1, configure a custom DNS server set to the Azure provided DNS at 168.63.129.16

On-premises DNS configuration

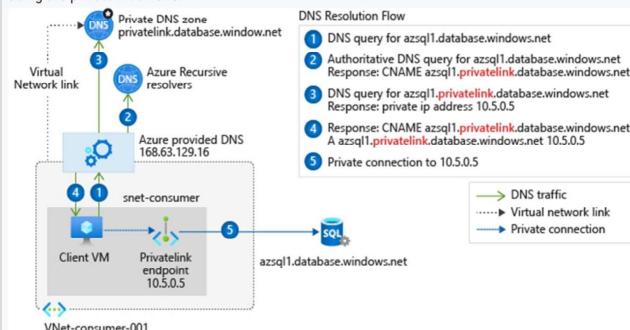
Forward contoso.com to VM1
Forward contoso.com to the public DNS zone
Forward contoso.com to the Azure-provisioned DNS at 168.63.129.16

Box 1: In VNET1, configure a custom DNS server set to the Azure provided DNS at 168.63.129.16

Virtual network workloads without custom DNS server.

This configuration is appropriate for virtual network workloads without a custom DNS server. In this scenario, the client queries for the private endpoint IP address to the Azure-provided DNS service 168.63.129.16. Azure DNS will be responsible for DNS resolution of the private DNS zones.

The following screenshot illustrates the DNS resolution sequence from virtual network workloads using the private DNS zone:



Box 2. Forward contoso.com to VM1

Forward to the DNS server VM1.

Note: You can use the following options to configure your DNS settings for private endpoints:

* Use the host file (only recommended for testing). You can use the host file on a virtual machine to override the DNS.

* Use a private DNS zone. You can use private DNS zones to override the DNS resolution for a private endpoint. A private DNS zone can be linked to your virtual network to resolve specific domains.

* Use your DNS forwarder (optional). You can use your DNS forwarder to override the DNS resolution for a private link resource. Create a DNS forwarding rule to use a private DNS zone on your DNS server hosted in a virtual network.

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-dns>

topic 4 question 37 discussion

Actual exam question from Microsoft's AZ-305

Question #: 37

Topic #: 4

[\[All AZ-305 Questions\]](#)

You are designing a microservices architecture that will support a web application.

The solution must meet the following requirements:

☞ Deploy the solution on-premises and to Azure.

Support low-latency and hyper-scale operations.

.

☞ Allow independent upgrades to each microservice.

☞ Set policies for performing automatic repairs to the microservices.

You need to recommend a technology.

What should you recommend?

A. Azure Container Instance

B. Azure Logic App

C. Azure Service Fabric Most Voted

D. Azure virtual machine scale set

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

topic 4 question 38 discussion

Actual exam question from Microsoft's AZ-305

Question #: 38

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

You plan to deploy multiple instances of an Azure web app across several Azure regions.

You need to design an access solution for the app. The solution must meet the following replication requirements:

- ☞ Support rate limiting.
- ☞ Balance requests between all instances.
- ☞ Ensure that users can access the app in the event of a regional outage.

Solution: You use Azure Front Door to provide access to the app.

Does this meet the goal?

A. Yes **Most Voted**

B. No

Hide Answer

Suggested Answer: A 🏆

Community vote distribution

A (100%)

topic 4 question 39 discussion

Actual exam question from Microsoft's AZ-305

Question #: 39

Topic #: 4

[\[All AZ-305 Questions\]](#)

You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager (ARM) resource deployments in your Azure subscription.

What should you include in the recommendation?

- A. Azure Activity Log Most Voted
- B. Azure Arc
- C. Azure Analysis Services
- D. Azure Monitor action groups

[Hide Answer](#)

Suggested Answer: A 🎉

Community vote distribution

A (100%)

by  GarryK at Sept. 19, 2022, 10:17 a.m.

topic 4 question 40 discussion

Actual exam question from Microsoft's AZ-305

Question #: 40

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

- ⇒ Only allow the creation of the virtual machines in specific regions.
- ⇒ Only allow the creation of specific sizes of virtual machines.

What should you include in the recommendation?

A. Attribute-based access control (ABAC)

B. Azure Policy Most Voted

C. Conditional Access policies

D. role-based access control (RBAC)

[Hide Answer](#)

Suggested Answer: B 🎉

Community vote distribution

B (100%)

by  [jellybiscuit](#) at Sept. 20, 2022, 8:11 a.m.

topic 4 question 41 discussion

Actual exam question from Microsoft's AZ-305

Question #: 41

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Data Lake
- C. Azure Service Bus Most Voted
- D. Azure Blob Storage

[Hide Answer](#)

Suggested Answer: C 📦

Community vote distribution

C (100%)

by  Benji10 at Aug. 31, 2022, 12:51 p.m.

topic 4 question 42 discussion

Actual exam question from Microsoft's AZ-305

Question #: 42

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have 100 devices that write performance data to Azure Blob Storage.

You plan to store and analyze the performance data in an Azure SQL database.

You need to recommend a solution to continually copy the performance data to the Azure SQL database.

What should you include in the recommendation?

A. Azure Data Factory Most Voted

B. Data Migration Assistant (DMA)

C. Azure Data Box

D. Azure Database Migration Service

[Hide Answer](#)

Suggested Answer: A 

Community vote distribution

A (100%)

by  kay000001 at Sept. 12, 2022, 8:37 a.m.

topic 4 question 43 discussion

Actual exam question from Microsoft's AZ-305

Question #: 43

Topic #: 4

[\[All AZ-305 Questions\]](#)

You need to recommend a storage solution for the records of a mission critical application. The solution must provide a Service Level Agreement (SLA) for the latency of write operations and the throughput.

What should you include in the recommendation?

- A. Azure Data Lake Storage Gen2
- B. Azure Blob Storage
- C. Azure SQL
- D. Azure Cosmos DB Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (100%)

by  [kay000001](#) at Sept. 12, 2022, 8:41 a.m.

topic 4 question 44 discussion

Actual exam question from Microsoft's AZ-305

Question #: 44

Topic #: 4

[\[All AZ-305 Questions\]](#)

You are planning a storage solution. The solution must meet the following requirements:

- ⇒ Support at least 500 requests per second.
- ⇒ Support a large image, video, and audio streams.

Which type of Azure Storage account should you provision?

A. standard general-purpose v2

B. premium block blobs Most Voted

C. premium page blobs

D. premium file shares

[Hide Answer](#)

Suggested Answer: B 

Community vote distribution

B (65%)

A (35%)

by  [Snownoodles](#) at Sept. 7, 2022, 11:22 p.m.

topic 4 question 45 discussion

Actual exam question from Microsoft's AZ-305

Question #: 45

Topic #: 4

[\[All AZ-305 Questions\]](#)

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

- ☞ Ensures that applications can access the data by using a REST connection
- ☞ Hosts 20 independent tables of varying sizes and usage patterns
- ☞ Automatically replicates the data to a second Azure region
- ☞ Minimizes costs

What should you recommend?

- A. an Azure SQL Database elastic pool that uses active geo-replication
- B. tables in an Azure Storage account that use geo-redundant storage (GRS) Most Voted
- C. tables in an Azure Storage account that use read-access geo-redundant storage (RA-GRS)
- D. an Azure SQL database that uses active geo-replication

[Hide Answer](#)

Suggested Answer: B 🎉

Community vote distribution

B (96%)

4%

by  kay000001 at Sept. 12, 2022, 8:52 a.m.

topic 4 question 46 discussion

Actual exam question from Microsoft's AZ-305

Question #: 46

Topic #: 4

[All AZ-305 Questions]

HOTSPOT -

You are designing a software as a service (SaaS) application that will enable Azure Active Directory (Azure AD) users to create and publish online surveys. The

SaaS application will have a front-end web app and a back-end web API. The web app will rely on the web API to handle updates to customer surveys.

You need to design an authorization flow for the SaaS application. The solution must meet the following requirements:

- ⇒ To access the back-end web API, the web app must authenticate by using OAuth 2 bearer tokens.
- ⇒ The web app must authenticate by using the identities of individual users.

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.

Hot Area:

Answer Area

The access tokens will be generated by:

Azure AD
A web app
A web API

Authorization decisions will be performed by:

Azure AD
A web app
A web API

[Hide Answer](#)

Suggested Answer:

Answer Area

The access tokens will be generated by:

Azure AD
A web app
A web API

Authorization decisions will be performed by:

Azure AD
A web app
A web API

Box 1: Azure AD -

The Azure AD server issues tokens (access & refresh token). See step 5 below in graphic.

OAuth 2.0 authentication with Azure Active Directory.

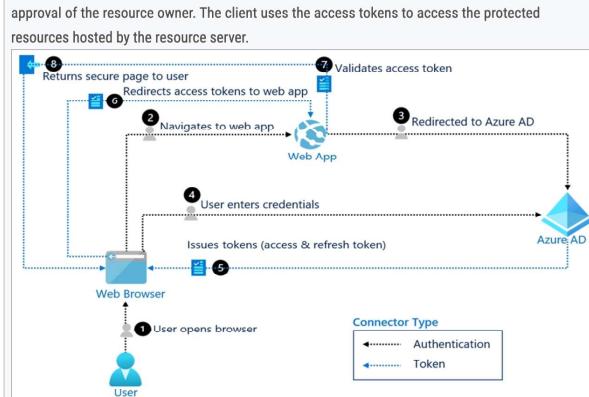
The OAuth 2.0 is the industry protocol for authorization. It allows a user to grant limited access to its protected resources.

Designed to work specifically with Hypertext Transfer Protocol (HTTP), OAuth separates the role of the client from the resource owner.

The client requests access to the resources controlled by the resource owner and hosted by the resource server (here the Azure AD server).

The resource server issues access tokens with the approval of the resource owner.

The client uses the access tokens to access the protected resources hosted by the resource server.



Box 2: A web API -

Delegated access is used.

The bearer token sent to the web API contains the user identity.

The web API makes authorization decisions based on the user identity.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/fundamentals/auth-oauth2>

<https://docs.microsoft.com/ib-lu/azure/architecture/multitenant-identity/web-api>

topic 4 question 47 discussion

Actual exam question from Microsoft's AZ-305

Question #: 47

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You plan to create an Azure environment that will contain a root management group and 10 child management groups. Each child management group will contain five Azure subscriptions. You plan to have between 10 and 30 resource groups in each subscription.

You need to design an Azure governance solution. The solution must meet the following requirements:

- ⇒ Use Azure Blueprints to control governance across all the subscriptions and resource groups.
- ⇒ Ensure that Blueprints-based configurations are consistent across all the subscriptions and resource groups.
- ⇒ Minimize the number of blueprint definitions and assignments.

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.

Hot Area:

Answer Area

Level at which to define the blueprints:

The child management groups
The root management group
The subscriptions

Level at which to create the blueprint assignments:

The child management groups
The root management group
The subscriptions

[Hide Answer](#)

Suggested Answer:

Answer Area

Level at which to define the blueprints:

The child management groups
The root management group
The subscriptions

Level at which to create the blueprint assignments:

The child management groups
The root management group
The subscriptions

Box 1. The root management group

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have

Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.

The root management group is built into the hierarchy to have all management groups and subscriptions fold up to it. This root management group allows for global policies and Azure role assignments to be applied at the directory level.

Box 2. The root management group

Reference:

<https://docs.microsoft.com/en-us/azure/governance/management-groups/overview>

<https://docs.microsoft.com/en-us/azure/governance/blueprints/overview>

topic 4 question 48 discussion

Actual exam question from Microsoft's AZ-305

Question #: 48

Topic #: 4

[All AZ-305 Questions]

DRAG DROP -

You are designing a virtual machine that will run Microsoft SQL Server and contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a host caching method for each disk. The method must provide the best overall performance for the virtual machine while preserving the integrity of the SQL data and logs. Which host caching method should you recommend for each disk? To answer, drag the appropriate methods to the correct disks. Each method 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.

Select and Place:

Methods

- None
- ReadOnly
- ReadWrite

Answer Area

Log:

Data:

[Hide Answer](#)

Suggested Answer:

Methods

- None
- ReadOnly
- ReadWrite

Answer Area

Log: None

Data: ReadOnly

Box 1: None -

No data disk caching for the Log files.

Box 2: ReadOnly -

Guidelines to optimize performance for your SQL Server on Azure Virtual Machines (VMs) include:

Set host caching to read-only for data file disks.

Set host caching to none for log file disks.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/virtual-machines/windows/performance-guidelines-best-practices-storage>

topic 4 question 49 discussion

Actual exam question from Microsoft's AZ-305

Question #: 49

Topic #: 4

[\[All AZ-305 Questions\]](#)

You are designing a solution that calculates 3D geometry from height-map data.

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

- ☞ Performs calculations in Azure.
- ☞ Ensures that each node can communicate data to every other node.
- ☞ Maximizes the number of nodes to calculate multiple scenes as fast as possible.

Minimizes the amount of effort to implement the solution.

Which two actions should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable parallel file systems on Azure.
- B. Create a render farm that uses virtual machines.
- C. Create a render farm that uses virtual machine scale sets.
- D. Create a render farm that uses Azure Batch. **Most Voted**
- E. Enable parallel task execution on compute nodes. **Most Voted**

[Hide Answer](#)

Suggested Answer: DE 

Community vote distribution

DE (98%)

2

topic 4 question 50 discussion

Actual exam question from Microsoft's AZ-305

Question #: 50

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an on-premises application that consumes data from multiple databases. The application code references database tables by using a combination of the server, database, and table name.

You need to migrate the application data to Azure.

To which two services can you migrate the application data to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. SQL Server Stretch Database

B. SQL Server on an Azure virtual machine Most Voted

C. Azure SQL Database

D. Azure SQL Managed Instance Most Voted

[Hide Answer](#)

Suggested Answer: BD 

Community vote distribution

BD (100%)

topic 4 question 51 discussion

Actual exam question from Microsoft's AZ-305

Question #: 51

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You plan to migrate on-premises Microsoft SQL Server databases to Azure.

You need to recommend a deployment and resiliency solution that meets the following requirements:

- ⇒ Supports user-initiated backups
- ⇒ Supports multiple automatically replicated instances across Azure regions
- ⇒ Minimizes administrative effort to implement and maintain business continuity

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Deployment solution:

- Azure SQL Managed Instance
- SQL Server on Azure Virtual Machines
- An Azure SQL Database single database

Resiliency solution:

- Auto-failover group
- Active geo-replication
- Zone-redundant deployment

[Hide Answer](#)

Suggested Answer:

Answer Area

Deployment solution:

- Azure SQL Managed Instance
- SQL Server on Azure Virtual Machines
- An Azure SQL Database single database

Resiliency solution:

- Auto-failover group
- Active geo-replication
- Zone-redundant deployment

Box 1: an Azure SQL database -

Incorrect answers:

User initiated backups are not supported by Azure SQL Managed instance.

Box 2: Active geo-replication -

Active geo-replication required to multiple automatically replicated instances across Azure regions.

You can manage Azure SQL Database security for geo-restore. SQL database cannot be used for geo-restore.

Incorrect:

Not SQL Server: Active geo-replication requires Azure SQL database.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview>

topic 4 question 52 discussion

Actual exam question from Microsoft's AZ-305

Question #: 52

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Managed Instance Business Critical
- B. Azure SQL Managed Instance General Purpose
- C. Azure SQL Database Business Critical
- D. Azure SQL Database Serverless Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (85%)

C (15%)

by  [Snownoodles](#) at Sept. 10, 2022, 4:16 a.m.

topic 4 question 53 discussion

Actual exam question from Microsoft's AZ-305

Question #: 53

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure web app that uses an Azure key vault named KeyVault1 in the West US Azure region.

You are designing a disaster recovery plan for KeyVault1.

You plan to back up the keys in KeyVault1.

You need to identify to where you can restore the backup.

What should you identify?

- A. any region worldwide
- B. the same region only
- C. KeyVault1 only
- D. the same geography only Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (100%)

by  Neo2c at Sept. 7, 2022, 8:13 a.m.

topic 4 question 54 discussion

Actual exam question from Microsoft's AZ-305

Question #: 54

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an on-premises line-of-business (LOB) application that uses a Microsoft SQL Server instance as the backend.

You plan to migrate the on-premises SQL Server instance to Azure virtual machines.

You need to recommend a highly available SQL Server deployment that meets the following requirements:

⇒ Minimizes costs

Minimizes failover time if a single server fails

What should you include in the recommendation?

- A. an Always On availability group that has premium storage disks and a virtual network name (VNN)
- B. an Always On Failover Cluster Instance that has a virtual network name (VNN) and a standard file share
- C. an Always On availability group that has premium storage disks and a distributed network name (DNN) **Most Voted**
- D. an Always On Failover Cluster Instance that has a virtual network name (VNN) and a premium file share

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (69%)

B (31%)

topic 4 question 55 discussion

Actual exam question from Microsoft's AZ-305

Question #: 55

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 creating resource groups based on locations and implementing resource locks on the resource groups.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 56 discussion

Actual exam question from Microsoft's AZ-305

Question #: 56

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

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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 the Regulatory compliance dashboard in Microsoft Defender for Cloud.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 57 discussion

Actual exam question from Microsoft's AZ-305

Question #: 57

Topic #: 4

[\[All AZ-305 Questions\]](#)

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.

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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.

Does this meet the goal?

A. Yes **Most Voted**

B. No

Hide Answer

Suggested Answer: A 🏆

Community vote distribution

A (100%)

topic 4 question 58 discussion

Actual exam question from Microsoft's AZ-305

Question #: 58

Topic #: 4

[\[All AZ-305 Questions\]](#)

You plan to move a web app named App1 from an on-premises datacenter to Azure.

App1 depends on a custom COM component that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

- ☞ App1 must be available to users if an Azure datacenter becomes unavailable.
- ☞ Costs must be minimized.

What should you include in the recommendation?

- A. In two Azure regions, deploy a load balancer and a web app.
- B. In two Azure regions, deploy a load balancer and a virtual machine scale set.
- C. Deploy a load balancer and a virtual machine scale set across two availability zones. Most Voted
- D. In two Azure regions, deploy an Azure Traffic Manager profile and a web app.

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

topic 4 question 59 discussion

Actual exam question from Microsoft's AZ-305

Question #: 59

Topic #: 4

[\[All AZ-305 Questions\]](#)

You plan to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.

You need to recommend a storage solution to ensure that updated container images are replicated automatically to all the Azure regions hosting the AKS clusters.

Which storage solution should you recommend?

- A. geo-redundant storage (GRS) accounts
- B. Premium SKU Azure Container Registry Most Voted
- C. Azure Content Delivery Network (CDN)
- D. Azure Cache for Redis

[Hide Answer](#)

Suggested Answer: B 

Community vote distribution

B (100%)

by  kay000001 at Sept. 13, 2022, 1:15 a.m.

topic 4 question 60 discussion

Actual exam question from Microsoft's AZ-305

Question #: 60

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an Azure Active Directory (Azure AD) tenant.

You plan to deploy Azure Cosmos DB databases that will use the SQL API.

You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.

What should you include in the recommendation?

- A. shared access signatures (SAS) and Conditional Access policies
- B. certificates and Azure Key Vault
- C. master keys and Azure Information Protection policies
- D. a resource token and an Access control (IAM) role assignment Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (100%)

by  kay000001 at Sept. 13, 2022, 1:18 a.m.

topic 4 question 61 discussion

Actual exam question from Microsoft's AZ-305

Question #: 61

Topic #: 4

[\[All AZ-305 Questions\]](#)

You need to recommend an Azure Storage solution that meets the following requirements:

- ☞ The storage must support 1 PB of data.
- ☞ The data must be stored in blob storage.
- ☞ The storage must support three levels of subfolders.
- ☞ The storage must support access control lists (ACLs).

What should you include in the recommendation?

- A. a premium storage account that is configured for block blobs
- B. a general purpose v2 storage account that has hierarchical namespace enabled Most Voted
- C. a premium storage account that is configured for page blobs
- D. a premium storage account that is configured for file shares and supports large file shares

[Hide Answer](#)

Suggested Answer: B 🎫

Community vote distribution

B (100%)

by  [kay000001](#) at Sept. 13, 2022, 1:26 a.m.

topic 4 question 62 discussion

Actual exam question from Microsoft's AZ-305

Question #: 62

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You manage a database environment for a Microsoft Volume Licensing customer named Contoso, Ltd.

Contoso uses License Mobility through Software

Assurance.

You need to deploy 50 databases. The solution must meet the following requirements:

- ⇒ Support automatic scaling.
- ⇒ Minimize Microsoft SQL Server licensing 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.

Hot Area:

Answer Area

Purchase model:

DTU
vCore
Azure reserved virtual machine instances

Deployment option:

An Azure SQL managed instance
An Azure SQL Database elastic pool
A SQL Server Always On availability group

[Hide Answer](#)

Suggested Answer:

Answer Area

Purchase model:

DTU
vCore
Azure reserved virtual machine instances

Deployment option:

An Azure SQL managed instance
An Azure SQL Database elastic pool
A SQL Server Always On availability group

Box 1: vCore -

You can only apply the Azure Hybrid licensing model when you choose a vCore-based purchasing model and the provisioned compute tier for your Azure SQL

Database. Azure Hybrid Benefit isn't available for service tiers under the DTU-based purchasing model or for the serverless compute tier.

Box 2: An Azure SQL Database elastic pool

Azure SQL Database elastic pools are a simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single server and share a set number of resources at a set price. Elastic pools in SQL Database enable software as a service (SaaS) developers to optimize the price performance for a group of databases within a prescribed budget while delivering performance elasticity for each database.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/azure-hybrid-benefit>

<https://docs.microsoft.com/ko-kr/azure/azure-sql/database/elastic-pool-overview>

topic 4 question 63 discussion

Actual exam question from Microsoft's AZ-305

Question #: 63

Topic #: 4

[\[All AZ-305 Questions\]](#)

You have an on-premises application named App1 that uses an Oracle database.

You plan to use Azure Databricks to transform and load data from App1 to an Azure Synapse Analytics instance.

You need to ensure that the App1 data is available to Databricks.

Which two Azure services should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Azure Data Box Gateway
- B. Azure Import/Export service
- C. Azure Data Lake Storage Most Voted
- D. Azure Data Box Edge
- E. Azure Data Factory Most Voted

[Hide Answer](#)

Suggested Answer: CE 

Community vote distribution

CE (87%)

13%

topic 4 question 64 discussion

Actual exam question from Microsoft's AZ-305

Question #: 64

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT -

You are designing a cost-optimized solution that uses Azure Batch to run two types of jobs on Linux nodes. The first job type will consist of short-running tasks for a development environment. The second job type will consist of long-running Message Passing Interface (MPI) applications for a production environment that requires timely job completion.

You need to recommend the pool type and node type for each job type. The solution must minimize compute charges and leverage Azure Hybrid Benefit whenever possible.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

First job:

- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

Second job:

- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

[Hide Answer](#)

Suggested Answer:

Answer Area

First job:

- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

Second job:

- Batch service and dedicated virtual machines
- User subscription and dedicated virtual machines
- User subscription and low-priority virtual machines

Box 1: User subscription and low-priority virtual machines

The first job type will consist of short-running tasks for a development environment.

Among the many ways to purchase and consume Azure resources are Azure low priority VMs and Spot VMs. These virtual machines are compute instances allocated from spare capacity, offered at a highly discounted rate compared to "on demand" VMs. This means they can be a great option for cost savings for the right workloads

Box 2: Batch service and dedicated virtual machines

The second job type will consist of long-running Message Passing Interface (MPI) applications for a production environment that requires timely job completion.

Azure Batch Service is a cloud based job scheduling and compute management platform that enables running large-scale parallel and high performance computing applications efficiently in the cloud. Azure Batch Service provides job scheduling and automatically scaling and managing virtual machines running those jobs.

Reference:

<https://www.parkmycloud.com/blog/azure-low-priority-vms>

<https://azure.microsoft.com/en-us/pricing/details/batch/>

topic 4 question 65 discussion

Actual exam question from Microsoft's AZ-305

Question #: 65

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. Azure Data Lake

[Hide Answer](#)

Suggested Answer: C 📦

Community vote distribution

C (96%)

4%

by  shubhary25 at Sept. 3, 2022, 6:03 a.m.

topic 4 question 66 discussion

Actual exam question from Microsoft's AZ-305

Question #: 66

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. Azure Application Gateway

[Hide Answer](#)

Suggested Answer: C 📦

Community vote distribution



by Benji10 at Aug. 31, 2022, 1:14 p.m.

topic 4 question 67 discussion

Actual exam question from Microsoft's AZ-305

Question #: 67

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted

C. Azure SQL Database Basic

D. Azure SQL Database Standard

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (89%)

11%

topic 4 question 68 discussion

Actual exam question from Microsoft's AZ-305

Question #: 68

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 **Most Voted**

B. Azure Data Lake

C. Azure Traffic Manager

D. Azure Blob Storage

[Hide Answer](#)

Suggested Answer: A 🎉

Community vote distribution

A (100%)

topic 4 question 69 discussion

Actual exam question from Microsoft's AZ-305

Question #: 69

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. Azure SQL Managed Instance Business Critical

[Hide Answer](#)

Suggested Answer: C 🏆

Community vote distribution

C (79%)

B (19%) 2

topic 4 question 70 discussion

Actual exam question from Microsoft's AZ-305

Question #: 70

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (100%)

topic 4 question 71 discussion

Actual exam question from Microsoft's AZ-305

Question #: 71

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. Azure Application Gateway

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

topic 4 question 72 discussion

Actual exam question from Microsoft's AZ-305

Question #: 72

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- 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

[Hide Answer](#)

Suggested Answer: A 

Community vote distribution

A (94%)

5%

topic 4 question 73 discussion

Actual exam question from Microsoft's AZ-305

Question #: 73

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted

B. Azure SQL Managed Instance Business Critical

C. Azure SQL Database Standard

D. Azure SQL Managed Instance General Purpose

[Hide Answer](#)

Suggested Answer: A 🏆

Community vote distribution

A (89%)

11%

topic 4 question 74 discussion

Actual exam question from Microsoft's AZ-305

Question #: 74

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 **Most Voted**
- C. a personal access token

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (87%)

13%

topic 4 question 75 discussion

Actual exam question from Microsoft's AZ-305

Question #: 75

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT

-

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

[Hide Answer](#)

Answer Area

Suggested Answer:

User1:

Co-administrator

Owner

Service administrator

User2:

Co-administrator

Owner

Service administrator

topic 4 question 76 discussion

Actual exam question from Microsoft's AZ-305

Question #: 76

Topic #: 4

[\[All AZ-305 Questions\]](#)

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. **Most Voted**
- C. Configure the Azure AD provisioning service.
- D. Configure Azure AD Identity Protection.

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (100%)

topic 4 question 77 discussion

Actual exam question from Microsoft's AZ-305

Question #: 77

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- B. Azure Content Delivery Network (CDN)
- C. Azure Data Factory
- D. Azure Synapse Analytics

[Hide Answer](#)

Suggested Answer: A 

Community vote distribution

A (100%)

by [deleted] at Jan. 16, 2023, 5:26 p.m.

topic 4 question 78 discussion

Actual exam question from Microsoft's AZ-305

Question #: 78

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (93%)

6%

topic 4 question 79 discussion

Actual exam question from Microsoft's AZ-305

Question #: 79

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted
- D. storage queues with a stored access policy

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

by [deleted] at Jan. 16, 2023, 5:33 p.m.

topic 4 question 80 discussion

Actual exam question from Microsoft's AZ-305

Question #: 80

Topic #: 4

[\[All AZ-305 Questions\]](#)

HOTSPOT

-

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

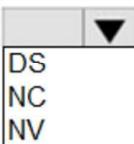
- Support 15,000 disk IOPS.
- Support SR-IOV.
- Minimize costs.

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

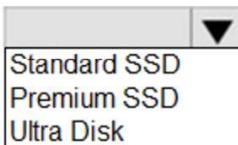
NOTE: Each correct selection is worth one point.

Answer Area

Virtual machine series:



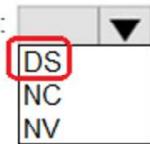
Disk type:



[Hide Answer](#)

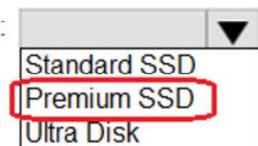
Answer Area

Virtual machine series:



Suggested Answer:

Disk type:



topic 4 question 81 discussion

Actual exam question from Microsoft's AZ-305

Question #: 81

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Most Voted

[Hide Answer](#)

Suggested Answer: D 

Community vote distribution

D (100%)

by [deleted] at Jan. 16, 2023, 5:41 p.m.

topic 4 question 82 discussion

Actual exam question from Microsoft's AZ-305

Question #: 82

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Application Gateway
- C. Azure Service Bus Most Voted
- D. Azure Traffic Manager

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

topic 4 question 83 discussion

Actual exam question from Microsoft's AZ-305

Question #: 83

Topic #: 4

[\[All AZ-305 Questions\]](#)

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 Application Gateway
- C. Azure Queue Storage Most Voted
- D. Azure Traffic Manager

[Hide Answer](#)

Suggested Answer: C 

Community vote distribution

C (100%)

topic 4 question 84 discussion

Actual exam question from Microsoft's AZ-305

Question #: 84

Topic #: 4

[\[All AZ-305 Questions\]](#)

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

[Hide Answer](#)

Suggested Answer: B 🏆

Community vote distribution

B (77%) D (18%) 5%