

Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 1

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

You have an Azure subscription that contains a custom application named Application1. Application1 was developed by an external company named Fabrikam, Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan.

You need to recommend a solution to verify whether the Fabrikam developers still require permissions to Application1. The solution must meet the following requirements:

- ⇒ To the manager of the developers, send a monthly email message that lists the access permissions to Application1.
- ⇒ If the manager does not verify an access permission, automatically revoke that permission.
- ⇒ Minimize development effort.

What should you recommend?

- A. In Azure Active Directory (Azure AD), create an access review of Application1.
- B. Create an Azure Automation runbook that runs the Get-AzRoleAssignment cmdlet.
- C. In Azure Active Directory (Azure AD) Privileged Identity Management, create a custom role assignment for the Application1 resources.
- D. Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet.

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 2

Topic #: 1

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

You have an Azure subscription. The subscription has a blob container that contains multiple blobs. Ten users in the finance department of your company plan to access the blobs during the month of April. You need to recommend a solution to enable access to the blobs during the month of April only. Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)
- B. Conditional Access policies
- C. certificates
- D. access keys

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Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 1

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

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

You have an internal web app named WebApp1 that is hosted on-premises. WebApp1 uses Integrated Windows authentication.

Some users work remotely and do NOT have VPN access to the on-premises network.

You need to provide the remote users with single sign-on (SSO) access to WebApp1.

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 Application Proxy
- B. Azure AD Privileged Identity Management (PIM)
- C. Conditional Access policies
- D. Azure Arc
- E. Azure AD enterprise applications
- F. Azure Application Gateway

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 1

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

You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group1. Group1 is configured for assigned membership. Group1 has 50 members, including 20 guest users.

You need to recommend a solution for evaluating the membership of Group1. The solution must meet the following requirements:

- ⇒ The evaluation must be repeated automatically every three months.
- ⇒ Every member must be able to report whether they need to be in Group1.
- ⇒ Users who report that they do not need to be in Group1 must be removed from Group1 automatically.
- ⇒ Users who do not report whether they need to be in Group1 must be removed from Group1 automatically.

What should you include in the recommendation?

- A. Implement Azure AD Identity Protection.
- B. Change the Membership type of Group1 to Dynamic User.
- C. Create an access review.
- D. Implement Azure AD Privileged Identity Management (PIM).

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 5

Topic #: 1

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

HOTSPOT -

You plan to deploy Azure Databricks to support a machine learning application. Data engineers will mount an Azure Data Lake Storage account to the Databricks file system. Permissions to folders are granted directly to the data engineers.

You need to recommend a design for the planned Databrick deployment. The solution must meet the following requirements:

- ⇒ Ensure that the data engineers can only access folders to which they have permissions.
- ⇒ Minimize development effort.
- ⇒ Minimize costs.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Databricks SKU:

	▼
Premium	
Standard	

Cluster configuration:

	▼
Credential passthrough	
Managed identities	
MLflow	
A runtime that contains Photon	
Secret scope	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 1

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

HOTSPOT -

You plan to deploy an Azure web app named App1 that will use Azure Active Directory (Azure AD) authentication.

App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.

You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The users can connect to App1 without being prompted for authentication:

	▼
An Azure AD app registration	
An Azure AD managed identity	
Azure AD Application Proxy	

The users can access App1 only from company-owned computers:

	▼
A Conditional Access policy	
An Azure AD administrative unit	
Azure Application Gateway	
Azure Blueprints	
Azure Policy	

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Actual exam question from Microsoft's AZ-305

Question #: 7

Topic #: 1

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

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 deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Use Azure Traffic Analytics in Azure Network Watcher to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

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Actual exam question from Microsoft's AZ-305

Question #: 8

Topic #: 1

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

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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Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Use Azure Advisor to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

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Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 1

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

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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Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

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Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 1

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

DRAG DROP -

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Monitor to design an alerting strategy for security-related events.

Which Azure Monitor Logs tables should you query? To answer, drag the appropriate tables to the correct log types. Each table 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:

Tables

AzureActivity

AzureDiagnostics

Event

Syslog

Answer Area

Events from Windows event logs:

Table

Events from Linux system logging:

Table

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 1

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

You are designing a large Azure environment that will contain many subscriptions.

You plan to use Azure Policy as part of a governance solution.

To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Active Directory (Azure AD) administrative units
- B. Azure Active Directory (Azure AD) tenants
- C. subscriptions
- D. compute resources
- E. resource groups
- F. management groups

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 12

Topic #: 1

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

DRAG DROP -

Your on-premises network contains a server named Server1 that runs an ASP.NET application named App1.

You have a hybrid deployment of Azure Active Directory (Azure AD).

You need to recommend a solution to ensure that users sign in by using their Azure AD account and Azure Multi-Factor Authentication (MFA) when they connect to App1 from the internet.

Which three features should you recommend be deployed and configured in sequence? To answer, move the appropriate features from the list of features to the answer area and arrange them in the correct order.

Select and Place:

Features

Answer Area

a public Azure Load Balancer

a managed identity

an internal Azure Load Balancer

a Conditional Access policy

an Azure App Service plan

Azure AD Application Proxy

an Azure AD enterprise application



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Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 1

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

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
- B. Azure Advisor
- C. Azure Analysis Services
- D. Azure Monitor action groups

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Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 1

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

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 deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.

Solution: Install and configure the Azure Monitoring agent and the Dependency Agent on all the virtual machines. Use VM insights in Azure Monitor to analyze the network traffic.

Does this meet the goal?

A. Yes

B. No

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Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 1

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

DRAG DROP -

You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

Which services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service 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:

Azure Services

Azure Event Grid

Azure Event Hubs

Azure Functions

Azure Monitor Logs

Azure Notification Hubs

Answer Area



Azure
Active Directory
audit log



Azure service



Azure service



Cosmos DB

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 1

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

Your company, named Contoso, Ltd., implements several Azure logic apps that have HTTP triggers. The logic apps provide access to an on-premises web service. Contoso establishes a partnership with another company named Fabrikam, Inc.

Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users.

Developers at Fabrikam plan to use a subset of the logic apps to build applications that will integrate with the on-premises web service of Contoso.

You need to design a solution to provide the Fabrikam developers with access to the logic apps. The solution must meet the following requirements:

- ⇒ Requests to the logic apps from the developers must be limited to lower rates than the requests from the users at Contoso.
- ⇒ The developers must be able to rely on their existing OAuth 2.0 provider to gain access to the logic apps.
- ⇒ The solution must NOT require changes to the logic apps.
- ⇒ The solution must NOT use Azure AD guest accounts.

What should you include in the solution?

- A. Azure Front Door
- B. Azure AD Application Proxy
- C. Azure AD business-to-business (B2B)
- D. Azure API Management

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Actual exam question from Microsoft's AZ-305

Question #: 17

Topic #: 1

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

HOTSPOT -

You have an Azure subscription that contains 300 virtual machines that run Windows Server 2019.

You need to centrally monitor all warning events in the System logs of the virtual machines.

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

Resource to create in Azure:

	▼
An event hub	
A Log Analytics workspace	
A search service	
A storage account	

Configuration to perform on the virtual machines:

	▼
Create event subscriptions	
Configure Continuous delivery	
Install the Azure Monitor agent	
Modify the membership of the Event Log Readers group	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 18

Topic #: 1

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

HOTSPOT -

You have several Azure App Service web apps that use Azure Key Vault to store data encryption keys.

Several departments have the following requests to support the web app:

Department	Request
Security	<ul style="list-style-type: none">Review the membership of administrative roles and require users to provide a justification for continued membership.Get alerts about changes in administrator assignments.See a history of administrator activation, including which changes administrators made to Azure resources.
Development	<ul style="list-style-type: none">Enable the applications to access Key Vault and retrieve keys for use in code.
Quality Assurance	<ul style="list-style-type: none">Receive temporary administrator access to create and configure additional web apps in the test environment.

Which service should you recommend for each department's request? To answer, configure the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Security:

- Azure AD Privileged Identity Management
- Azure Managed Identity
- Azure AD Connect
- Azure AD Identity Protection

Development:

- Azure AD Privileged Identity Management
- Azure Managed Identity
- Azure AD Connect
- Azure AD Identity Protection

Quality Assurance:

- Azure AD Privileged Identity Management
- Azure Managed Identity
- Azure AD Connect
- Azure AD Identity Protection

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Actual exam question from Microsoft's AZ-305

Question #: 19

Topic #: 1

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

HOTSPOT -

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

- ⇒ A resource group
- ⇒ An Azure web app
- ⇒ Custom role assignments
- ⇒ An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.

What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Management groups:

1
2
3
4

Blueprint definitions:

1
2
3
4

Blueprint assignments:

1
2
3
4

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 1

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

HOTSPOT -

You need to design an Azure policy that will implement the following functionality:

- ⇒ For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.
- ⇒ For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.
- ⇒ For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values.

The solution must use the principle of least privilege.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Azure Policy effect to use:

	▼
Append	
EnforceOPAConstraint	
EnforceRegoPolicy	
Modify	

Azure Active Directory (Azure AD) object and role-based access control (RBAC) role to use for the remediation tasks:

	▼
A managed identity with the Contributor role	
A managed identity with the User Access Administrator role	
A service principal with the Contributor role	
A service principal with the User Access Administrator role	

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Actual exam question from Microsoft's AZ-305

Question #: 21

Topic #: 1

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

HOTSPOT -

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

Name	Type	Account Kind	Location
storage1	Azure Storage account	Storage (general purpose v1)	East US
storage2	Azure Storage account	StorageV2 (general purpose v2)	East US
Workspace1	Azure Log Analytics workspace	Not applicable	East US
Workspace2	Azure Log Analytics workspace	Not applicable	East US
Hub1	Azure event hub	Not applicable	East US

You create an Azure SQL database named DB1 that is hosted in the East US Azure region.

To DB1, you add a diagnostic setting named Settings1. Settings1 archive SQLInsights to storage1 and sends SQLInsights to Workspace1.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Hot Area:

Answer Area

Statements

Yes No

You can add a new diagnostic setting that archives SQLInsights logs to storage2.

You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.

You can add a new diagnostic setting that sends SQLInsights logs to Hub1.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 22

Topic #: 1

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

You plan to deploy an Azure SQL database that will store Personally Identifiable Information (PII).

You need to ensure that only privileged users can view the PII.

What should you include in the solution?

- A. dynamic data masking
- B. role-based access control (RBAC)
- C. Data Discovery & Classification
- D. Transparent Data Encryption (TDE)

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Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 1

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

You plan to deploy an app that will use an Azure Storage account.

You need to deploy the storage account. The storage account must meet the following requirements:

- ⇒ Store the data for multiple users.
- ⇒ Encrypt each user's data by using a separate key.
- ⇒ Encrypt all the data in the storage account by using customer-managed keys.

What should you deploy?

- A. files in a premium file share storage account
- B. blobs in a general purpose v2 storage account
- C. blobs in an Azure Data Lake Storage Gen2 account
- D. files in a general purpose v2 storage account

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 24

Topic #: 1

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

HOTSPOT -

You have an Azure App Service web app that uses a system-assigned managed identity.

You need to recommend a solution to store the settings of the web app as secrets in an Azure key vault. The solution must meet the following requirements:

- ⇒ Minimize changes to the app code.
- ⇒ Use the principle of least privilege.

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

Key Vault integration method:

	▼
Key Vault references in Application settings	
Key Vault references in Appsettings.json	
Key Vault references in Web.config	
Key Vault SDK	

Key Vault permissions for the managed identity:

	▼
Keys: Gey	
Keys: List and Get	
Secrets: Get	
Secrets: List and Get	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 25

Topic #: 1

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

You plan to deploy an application named App1 that will run on five Azure virtual machines. Additional virtual machines will be deployed later to run App1.

You need to recommend a solution to meet the following requirements for the virtual machines that will run App1:

- ⇒ Ensure that the virtual machines can authenticate to Azure Active Directory (Azure AD) to gain access to an Azure key vault, Azure Logic Apps instances, and an Azure SQL database.
- ⇒ Avoid assigning new roles and permissions for Azure services when you deploy additional virtual machines.
- ⇒ Avoid storing secrets and certificates on the virtual machines.
- ⇒ Minimize administrative effort for managing identities.

Which type of identity should you include in the recommendation?

- A. a system-assigned managed identity
- B. a service principal that is configured to use a certificate
- C. a service principal that is configured to use a client secret
- D. a user-assigned managed identity

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 26

Topic #: 1

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

You have the resources shown in the following table:

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB SQL API account

CDB1 hosts a container that stores continuously updated operational data.

You are designing a solution that will use AS1 to analyze the operational data daily.

You need to recommend a solution to analyze the data without affecting the performance of the operational data store.

What should you include in the recommendation?

- A. Azure Cosmos DB change feed
- B. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
- C. Azure Synapse Link for Azure Cosmos DB
- D. Azure Synapse Analytics with PolyBase data loading

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 1

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

HOTSPOT -

You deploy several Azure SQL Database instances.

You plan to configure the Diagnostics settings on the databases as shown in the following exhibit.

Diagnostics setting

 Save  Discard  Delete  Provide feedback

A diagnostic setting specifies a list of categories of platform logs and/or metrics that you want to collect from a resource, and one or more destinations that you would stream them to. Normal usage charges for the destination will occur. [Learn more about the different log categories and contents of those logs](#)

Diagnostic setting name

Diagnostic1

Category details

log

	Retention (days)
<input checked="" type="checkbox"/> SQLInsights	90 ✓
<input checked="" type="checkbox"/> AutomaticTuning	30 ✓
<input type="checkbox"/> QueryStoreRuntimeStatistics	0
<input type="checkbox"/> QueryStoreWaitStatistics	0
<input type="checkbox"/> Errors	0
<input type="checkbox"/> DatabaseWaitStatistics	0
<input type="checkbox"/> Timeouts	0
<input type="checkbox"/> Blocks	0
<input type="checkbox"/> Deadlocks	0

metric

	Retention (days)
<input type="checkbox"/> Basic	0

Destination details

Send to Log Analytics

Subscription

Azure Pass - Sponsorship

Log Analytics workspace

sk200814 (eastus)

Archive to a storage account

 Showing all storage accounts including classic storage accounts

Location

East US

Subscription

Azure Pass - Sponsorship

Storage account *

contoso20

Stream to an event hub

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The amount of time that SQLInsights data will be stored in blob storage is **[answer choice]**.

▼

30 days

90 days

730 days

indefinite

The maximum amount of time that SQLInsights data can be stored in Azure Log Analytics is **[answer choice]**.

▼

30 days

90 days

730 days

indefinite

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 28

Topic #: 1

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

You have an application that is used by 6,000 users to validate their vacation requests. The application manages its own credential store.

Users must enter a username and password to access the application. The application does NOT support identity providers.

You plan to upgrade the application to use single sign-on (SSO) authentication by using an Azure Active Directory (Azure AD) application registration.

Which SSO method should you use?

- A. header-based
- B. SAML
- C. password-based
- D. OpenID Connect

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Actual exam question from Microsoft's AZ-305

Question #: 29

Topic #: 1

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

HOTSPOT -

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

- ⇒ Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
- ⇒ Incoming connections must use TLS and connect to TCP port 443.
- ⇒ The solution must support RDP and SSH.

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

To provide access to virtual machines on VNET1, use:

<input type="checkbox"/>	
<input type="checkbox"/>	Azure Bastion
<input type="checkbox"/>	Just-in-time (JIT) VM access
<input type="checkbox"/>	Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

<input type="checkbox"/>	
<input type="checkbox"/>	An Azure Identity Governance access package
<input type="checkbox"/>	A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In
<input type="checkbox"/>	A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

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Actual exam question from Microsoft's AZ-305

Question #: 30

Topic #: 1

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

You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information: environment, owner, department and cost center.

You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

- A. an Azure data catalog that uses the Azure REST API as a data source
- B. an Azure management group that uses parent groups to create a hierarchy
- C. an Azure policy that enforces tagging rules
- D. Azure Active Directory (Azure AD) administrative units

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 31

Topic #: 1

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

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft 365 and an Azure subscription. Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS) and Azure AD Connect. Contoso has a partnership with a company named Fabrikam. Inc. Fabrikam has an Active Directory forest and a Microsoft 365 tenant. Fabrikam has the same on-premises identity infrastructure components as Contoso.

A team of 10 developers from Fabrikam will work on an Azure solution that will be hosted in the Azure subscription of Contoso. The developers must be added to the Contributor role for a resource group in the Contoso subscription.

You need to recommend a solution to ensure that Contoso can assign the role to the 10 Fabrikam developers. The solution must ensure that the Fabrikam developers use their existing credentials to access resources

What should you recommend?

- A. In the Azure AD tenant of Contoso, create cloud-only user accounts for the Fabrikam developers.
- B. Configure a forest trust between the on-premises Active Directory forests of Contoso and Fabrikam.
- C. Configure an organization relationship between the Microsoft 365 tenants of Fabrikam and Contoso.
- D. In the Azure AD tenant of Contoso, create guest accounts for the Fabrikam developers.

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Actual exam question from Microsoft's AZ-305

Question #: 32

Topic #: 1

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

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (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 the Azure AD provisioning service.
- B. Enable Azure AD pass-through authentication and update the sign-in endpoint.
- C. Use Azure AD entitlement management to govern external users.
- D. Configure Azure AD join.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 33

Topic #: 1

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

HOTSPOT -

Your company has 20 web APIs that were developed in-house.

The company is developing 10 web apps that will use the web APIs. The web apps and the APIs are registered in the company's Azure Active Directory (Azure AD) tenant. The web APIs are published by using Azure API Management.

You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:

⇒ Use Azure AD-generated claims.

Minimize configuration and management effort.

•

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

Grant permissions to allow the web apps to access the web APIs by using:

	▼
Azure AD	
Azure API Management	
The web APIs	

Configure a JSON Web Token (JWT) validation policy by using:

	▼
Azure AD	
Azure API Management	
The web APIs	

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 34

Topic #: 1

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

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 Log Analytics
- B. Azure Arc
- C. Azure Analysis Services
- D. Application Insights

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-305

Question #: 35

Topic #: 1

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

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (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 the Azure AD provisioning service.
- B. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).
- C. Use Azure AD entitlement management to govern external users.
- D. Configure Azure AD Identity Protection.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 36

Topic #: 1

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

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

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

What should you include in the recommendation?

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

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 37

Topic #: 1

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

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 Azure AD join.
- B. Use Azure AD entitlement management to govern external users.
- C. Enable Azure AD pass-through authentication and update the sign-in endpoint.
- D. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 38

Topic #: 1

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

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 Azure AD join.
- B. Configure Azure AD Identity Protection.
- C. Use Azure AD entitlement management to govern external users.
- D. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 39

Topic #: 1

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

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
- B. Azure Arc
- C. Azure Analysis Services
- D. Azure Monitor metrics

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-305

Question #: 40

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription that contains an Azure key vault named KV1 and a virtual machine named VM1. VM1 runs Windows Server 2022: Azure Edition.

You plan to deploy an ASP.NET Core-based application named App1 to VM1.

You need to configure App1 to use a system-assigned managed identity to retrieve secrets from KV1. The solution must minimize development effort.

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

NOTE: Each correct selection is worth one point.

Answer Area

Configure App1 to use OAuth 2.0:

- Authorization code grant flows
- Client credentials grant flows
- Implicit grant flows

Configure App1 to use a REST API call to retrieve an authentication token from the:

- Azure Instance Metadata Service (MDS) endpoint
- OAuth 2.0 access token endpoint of Azure AD
- OAuth 2.0 access token endpoint of Microsoft Identity Platform

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 41

Topic #: 1

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

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 Azure AD join.
- B. Configure Azure AD Identity Protection.
- C. Configure a Conditional Access policy.
- D. Configure Supported account types in the application registration and update the sign-in endpoint.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 42

Topic #: 1

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

You have an Azure AD tenant named contoso.com that has a security group named Group1. Group1 is configured for assigned memberships. Group1 has 50 members, including 20 guest users.

You need to recommend a solution for evaluating the membership of Group1. The solution must meet the following requirements:

- The evaluation must be repeated automatically every three months.
- Every member must be able to report whether they need to be in Group1.
- Users who report that they do not need to be in Group1 must be removed from Group1 automatically.
- Users who do not report whether they need to be in Group1 must be removed from Group1 automatically.

What should you include in the recommendation?

- A. Implement Azure AD Identity Protection.
- B. Change the Membership type of Group1 to Dynamic User.
- C. Create an access review.
- D. Implement Azure AD Privileged Identity Management (PIM).

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 43

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription named Sub1 that is linked to an Azure AD tenant named contoso.com.

You plan to implement two ASP.NET Core apps named App1 and App2 that will be deployed to 100 virtual machines in Sub1. Users will sign in to App1 and App2 by using their contoso.com credentials.

App1 requires read permissions to access the calendar of the signed-in user. App2 requires write permissions to access the calendar of the signed-in user.

You need to recommend an authentication and authorization solution for the apps. The solution must meet the following requirements:

- Use the principle of least privilege.
- Minimize administrative effort.

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

NOTE: Each correct selection is worth one point.

Answer Area

Authentication:

 Application registration in Azure AD
 A system-assigned managed identity
 A user-assigned managed identity

Authorization:

 Application permissions
 Azure role-based access control (Azure RBAC)
 Delegated permissions

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 44

Topic #: 1

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

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. Enable Azure AD pass-through authentication and update the sign-in endpoint.
- B. Use Azure AD entitlement management to govern external users.
- C. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).
- D. Configure Azure AD Identity Protection.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 45

Topic #: 1

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

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 the Azure AD provisioning service.
- B. Enable Azure AD pass-through authentication and update the sign-in endpoint.
- C. Configure Supported account types in the application registration and update the sign-in endpoint.
- D. Configure Azure AD join.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 46

Topic #: 1

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

HOTSPOT

-

You have an Azure AD tenant that contains a management group named MG1.

You have the Azure subscriptions shown in the following table.

Name	Management group
Sub1	MG1
Sub2	MG2
Sub3	Tenant Root Group

The subscriptions contain the resource groups shown in the following table.

Name	Subscription
RG1	Sub1
RG2	Sub2
RG3	Sub3

The subscription contains the Azure AD security groups shown in the following table.

Name	Member of
Group1	Group3
Group2	Group3
Group3	None

The subscription contains the user accounts shown in the following table.

Name	Member of
User1	Group1
User2	Group2
User3	Group1, Group2

You perform the following actions:

Assign User3 the Contributor role for Sub1.

Assign Group1 the Virtual Machine Contributor role for MG1.

Assign Group3 the Contributor role for the Tenant Root Group.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
User1 can create a new virtual machine in RG1.	<input type="radio"/>	<input type="radio"/>
User2 can grant permissions to Group2.	<input type="radio"/>	<input type="radio"/>
User3 can create a storage account in RG2.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 47

Topic #: 1

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

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 Azure AD Identity Protection.
- B. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).
- C. Configure Supported account types in the application registration and update the sign-in endpoint.
- D. Configure a Conditional Access policy.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 48

Topic #: 1

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

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. Use Azure AD entitlement management to govern external users.
- B. Enable Azure AD pass-through authentication and update the sign-in endpoint.
- C. Configure a Conditional Access policy.
- D. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 49

Topic #: 1

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

You have an Azure subscription that contains 1,000 resources.

You need to generate compliance reports for the subscription. The solution must ensure that the resources can be grouped by department.

What should you use to organize the resources?

- A. application groups and quotas
- B. Azure Policy and tags
- C. administrative units and Azure Lighthouse
- D. resource groups and role assignments

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 50

Topic #: 1

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

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 Arc
- B. Azure Monitor metrics
- C. Azure Advisor
- D. Azure Log Analytics

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 51

Topic #: 1

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

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 Monitor action groups
- B. Azure Arc
- C. Azure Monitor metrics
- D. Azure Activity Log

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 52

Topic #: 1

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

DRAG DROP

You have an Azure AD tenant that contains an administrative unit named MarketingAU. MarketingAU contains 100 users.

You create two users named User1 and User2.

You need to ensure that the users can perform the following actions in MarketingAU:

- User1 must be able to create user accounts.
- User2 must be able to reset user passwords.

Which role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role 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.

Roles

Helpdesk Administrator for MarketingAU

Helpdesk Administrator for the tenant

User Administrator for MarketingAU

User Administrator for the tenant

Answer Area

User1:

User2:

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 53

Topic #: 1

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

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 Arc
- B. Azure Log Analytics
- C. Application insights
- D. Azure Monitor action groups

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 54

Topic #: 1

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

HOTSPOT

-

You are designing an app that will be hosted on Azure virtual machines that run Ubuntu. The app will use a third-party email service to send email messages to users. The third-party email service requires that the app authenticate by using an API key.

You need to recommend an Azure Key Vault solution for storing and accessing the API key. The solution must minimize administrative effort.

What should you recommend using to store and access the key? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Storage:
Certificate
Key
Secret

Access:
An API token
A managed service identity (MSI)
A service principal

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 55

Topic #: 1

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

DRAG DROP

-

You have two app registrations named App1 and App2 in Azure AD. App1 supports role-based access control (RBAC) and includes a role named Writer.

You need to ensure that when App2 authenticates to access App1, the tokens issued by Azure AD include the Writer role claim.

Which blade should you use to modify each app registration? To answer, drag the appropriate blades to the correct app registrations. Each blade 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.

Blades

Answer Area

API permissions

App roles

Token configuration

App1:

Blade

App2:

Blade

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 56

Topic #: 1

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

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. Application Insights
- B. Azure Arc
- C. Azure Log Analytics
- D. Azure Monitor metrics

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 57

Topic #: 1

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

You have an Azure subscription.

You plan to deploy a monitoring solution that will include the following:

- Azure Monitor Network Insights
- Application Insights
- Microsoft Sentinel
- VM insights

The monitoring solution will be managed by a single team.

What is the minimum number of Azure Monitor workspaces required?

- A. 1
- B. 2
- C. 3
- D. 4

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 58

Topic #: 1

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

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. Application Insights
- B. Azure Analysis Services
- C. Azure Advisor
- D. Azure Activity Log

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 59

Topic #: 1

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

HOTSPOT

-

Case Study

-

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

-

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Overview

-

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam, Berlin, and Rome.

Existing Environment: Active Directory Environment

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests.

Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only. The R&D department is restricted to using on-premises resources only.

Existing Environment: Network Infrastructure

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the internet.

An existing application named WebApp1 is hosted in the data center of the London office. WebApp1 is used by customers to place and track orders. WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V.

The IT department currently uses a separate Hyper-V environment to test updates to WebApp1.

Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Existing Environment: Problem Statements

The use of WebApp1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements: Planned Changes

-

Fabrikam plans to move most of its production workloads to Azure during the next few years, including virtual machines that rely on Active Directory for authentication.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft 365 deployment.

All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Requirements: Technical Requirements

Fabrikam identifies the following technical requirements:

- Website content must be easily updated from a single point.
- User input must be minimized when provisioning new web app instances.
- Whenever possible, existing on-premises licenses must be used to reduce cost.
- Users must always authenticate by using their corp.fabrikam.com UPN identity.
- Any new deployments to Azure must be redundant in case an Azure region fails.
- Whenever possible, solutions must be deployed to Azure by using the Standard pricing tier of Azure App Service.
- An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- In the event that a link fails between Azure and the on-premises network, ensure that the virtual machines hosted in Azure can authenticate to Active Directory.
- Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network.

Requirements: Database Requirements

Fabrikam identifies the following database requirements:

- Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- Database backups must be retained for a minimum of seven years to meet compliance requirements.

Requirements: Security Requirements

Fabrikam identifies the following security requirements:

- Company information including policies, templates, and data must be inaccessible to anyone outside the company.
- Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an internet link fails.
- Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.
- All administrative access to the Azure portal must be secured by using multi-factor authentication (MFA).
- The testing of WebApp1 updates must not be visible to anyone outside the company.

To meet the authentication requirements of Fabrikam, 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

Minimum number of Azure AD tenants:

0
1
2
3
4

Minimum number of conditional access policies to create:

0
1
2
3
4

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 60

Topic #: 1

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

You have an Azure subscription that contains 10 web apps. The apps are integrated with Azure AD and are accessed by users on different project teams.

The users frequently move between projects.

You need to recommend an access management solution for the web apps. The solution must meet the following requirements:

- The users must only have access to the app of the project to which they are assigned currently.
- Project managers must verify which users have access to their project's app and remove users that are no longer assigned to their project.
- Once every 30 days, the project managers must be prompted automatically to verify which users are assigned to their projects.

What should you include in the recommendation?

- A. Azure AD Identity Protection
- B. Microsoft Defender for Identity
- C. Microsoft Entra Permissions Management
- D. Azure AD Identity Governance

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 61

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription that contains 50 Azure SQL databases.

You create an Azure Resource Manager (ARM) template named Template1 that enables Transparent Data Encryption (TDE).

You need to create an Azure Policy definition named Policy1 that will use Template1 to enable TDE for any noncompliant Azure SQL databases.

How should you configure Policy1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Set available effects to:

- DepoIfNotExists
- EnforceRegoPolicy
- Modify

Include in the definition:

- The identity required to perform the remediation task
- The scopes of the policy assignments
- The role-based access control (RBAC) roles required to perform the remediation task

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 62

Topic #: 1

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

You have an Azure subscription. The subscription contains a tiered app named App1 that is distributed across multiple containers hosted in Azure Container Instances.

You need to deploy an Azure Monitor monitoring solution for App1. The solution must meet the following requirements:

- Support using synthetic transaction monitoring to monitor traffic between the App1 components.
- Minimize development effort.

What should you include in the solution?

- A. Network insights
- B. Application Insights
- C. Container insights
- D. Log Analytics Workspace insights

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 63

Topic #: 1

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

HOTSPOT

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

Name	Type	Description
App1	Azure App Service app	None
Workspace1	Log Analytics workspace	Configured to use a pay-as-you-go pricing tier
App1Logs	Log Analytics table	Hosted in Workspace1 Configured to use the Analytics Logs data plan

Log files from App1 are registered to App1Logs. An average of 120 GB of log data is ingested per day.

You configure an Azure Monitor alert that will be triggered if the App1 logs contain error messages.

You need to minimize the Log Analytics costs associated with App1. The solution must meet the following requirements:

- Ensure that all the log files from App1 are ingested to App1Logs.
- Minimize the impact on the Azure Monitor alert.

Which resource should you modify, and which modification should you perform? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Resource:

App1
App1Logs
Workspace1

Modification:

Change to a commitment pricing tier.
Change to the Basic Logs data plan.
Set a daily cap.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 64

Topic #: 1

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

You have 12 Azure subscriptions and three projects. Each project uses resources across multiple subscriptions.

You need to use Microsoft Cost Management to monitor costs on a per project basis. The solution must minimize administrative effort.

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

NOTE: Each correct selection is worth one point.

- A. budgets
- B. resource tags
- C. custom role-based access control (RBAC) roles
- D. management groups
- E. Azure boards

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 65

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription that contains multiple storage accounts.

You assign Azure Policy definitions to the storage accounts.

You need to recommend a solution to meet the following requirements:

- Trigger on-demand Azure Policy compliance scans.
- Raise Azure Monitor non-compliance alerts by querying logs collected by Log Analytics.

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

NOTE: Each correct selection is worth one point.

Answer Area

To trigger the compliance scans, use:

- An Azure template
- The Azure Command-Line Interface (CLI)
- The Azure portal

To generate the non-compliance alerts, configure diagnostic settings for the:

- Azure activity logs
- Log Analytics workspace
- Storage accounts

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 66

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription.

You plan to deploy five storage accounts that will store block blobs and five storage accounts that will host file shares. The file shares will be accessed by using the SMB protocol.

You need to recommend an access authorization solution for the storage accounts. The solution must meet the following requirements:

- Maximize security.
- Prevent the use of shared keys.
- Whenever possible, support time-limited access.

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

For the blobs:

▼

- A user delegation shared access signature (SAS) only
- A shared access signature (SAS) and a stored access policy
- A user delegation shared access signature (SAS) and a stored access policy

For the file shares:

▼

- Azure AD credentials
- A user delegation shared access signature (SAS) only
- A user delegation shared access signature (SAS) and a stored access policy

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 67

Topic #: 1

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

HOTSPOT

-

You have an Azure subscription. The subscription contains 100 virtual machines that run Windows Server 2022 and have the Azure Monitor Agent installed.

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

- Forwards JSON-formatted logs from the virtual machines to a Log Analytics workspace
- Transforms the logs and stores the data in a table in the Log Analytics workspace

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

NOTE: Each correct selection is worth one point.

Answer Area

To forward the logs:

 A linked storage account for the Log Analytics workspace
 An Azure Monitor data collection endpoint
 A service endpoint

To transform the logs and store the data:

 A KQL query
 A WQL query
 An XPath query

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 68

Topic #: 1

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

HOTSPOT

You have five Azure subscriptions. Each subscription is linked to a separate Azure AD tenant and contains virtual machines that run Windows Server 2022.

You plan to collect Windows security events from the virtual machines and send them to a single Log Analytics workspace.

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

- Collects event logs from multiple subscriptions
- Supports the use of data collection rules (DCRs) to define which events to collect

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

NOTE: Each correct selection is worth one point.

Answer Area

To collect the event logs:

	▼
Azure Event Grid	
Azure Lighthouse	
Azure Purview	

To support the DCRs:

	▼
The Log Analytics agent	
The Azure Monitor agent	
The Azure Connected Machine agent	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 2

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

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2014 instances. The instances host databases that have the following characteristics:

- ⇒ Stored procedures are implemented by using CLR.
- ⇒ The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.

You plan to move all the data from SQL Server to Azure.

You need to recommend a service to host the databases. The solution must meet the following requirements:

- ⇒ Whenever possible, minimize management overhead for the migrated databases.
- ⇒ Ensure that users can authenticate by using Azure Active Directory (Azure AD) credentials.
- ⇒ Minimize the number of database changes required to facilitate the migration.

What should you include in the recommendation?

- A. Azure SQL Database elastic pools
- B. Azure SQL Managed Instance
- C. Azure SQL Database single databases
- D. SQL Server 2016 on Azure virtual machines

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 2

Topic #: 2

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

You have an Azure subscription that contains an Azure Blob Storage account named store1.

You have an on-premises file server named Server1 that runs Windows Server 2016. Server1 stores 500 GB of company files.

You need to store a copy of the company files from Server1 in store1.

Which two possible Azure services achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. an Azure Logic Apps integration account
- B. an Azure Import/Export job
- C. Azure Data Factory
- D. an Azure Analysis services On-premises data gateway
- E. an Azure Batch account

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 2

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

You have an Azure subscription that contains two applications named App1 and App2. App1 is a sales processing application. When a transaction in App1 requires shipping, a message is added to an Azure Storage account queue, and then App2 listens to the queue for relevant transactions.

In the future, additional applications will be added that will process some of the shipping requests based on the specific details of the transactions.

You need to recommend a replacement for the storage account queue to ensure that each additional application will be able to read the relevant transactions.

What should you recommend?

- A. one Azure Data Factory pipeline
- B. multiple storage account queues
- C. one Azure Service Bus queue
- D. one Azure Service Bus topic

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 2

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

HOTSPOT -

You need to design a storage solution for an app that will store large amounts of frequently used data. The solution must meet the following requirements:

- ⇒ Maximize data throughput.
- ⇒ Prevent the modification of data for one year.
- ⇒ Minimize latency for read and write operations.

Which Azure Storage account type and storage service 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

Storage account type:

	▼
BlobStorage	
BlockBlobStorage	
FileStorage	
StorageV2 with Premium performance	
StorageV2 with Standard performance	

Storage service:

	▼
Blob	
File	
Table	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 5

Topic #: 2

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

HOTSPOT -

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

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

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

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

Which storage accounts should you recommend using for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

App1:

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

App2:

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

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 2

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

You are designing an application that will be hosted in Azure.

The application will host video files that range from 50 MB to 12 GB. The application will use certificate-based authentication and will be available to users on the internet.

You need to recommend a storage option for the video files. The solution must provide the fastest read performance and must minimize storage costs.

What should you recommend?

- A. Azure Files
- B. Azure Data Lake Storage Gen2
- C. Azure Blob Storage
- D. Azure SQL Database

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 7

Topic #: 2

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

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns.

You need to recommend a database platform to host the databases. The solution must meet the following requirements:

- ⇒ The solution must meet a Service Level Agreement (SLA) of 99.99% uptime.
- ⇒ The compute resources allocated to the databases must scale dynamically.
- ⇒ The solution must have reserved capacity.

Compute charges must be minimized.

▪

What should you include in the recommendation?

- A. an elastic pool that contains 20 Azure SQL databases
- B. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set
- C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine
- D. 20 instances of Azure SQL Database serverless

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 8

Topic #: 2

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

HOTSPOT -

You have an on-premises database that you plan to migrate to Azure.

You need to design the database architecture to meet the following requirements:

- ☞ Support scaling up and down.
- ☞ Support geo-redundant backups.
- ☞ Support a database of up to 75 TB.
- ☞ Be optimized for online transaction processing (OLTP).

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Service:

	▼
Azure SQL Database	
Azure SQL Managed Instance	
Azure Synapse Analytics	
SQL Server on Azure Virtual Machines	

Service tier:

	▼
Basic	
Business Critical	
General Purpose	
Hyperscale	
Premium	
Standard	

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 2

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

You are planning an Azure IoT Hub solution that will include 50,000 IoT devices.

Each device will stream data, including temperature, device ID, and time data. Approximately 50,000 records will be written every second. The data will be visualized in near real time.

You need to recommend a service to store and query the data.

Which two services can you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Table Storage
- B. Azure Event Grid
- C. Azure Cosmos DB SQL API
- D. Azure Time Series Insights

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 2

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

You are designing an application that will aggregate content for users.

You need to recommend a database solution for the application. The solution must meet the following requirements:

- ⇒ Support SQL commands.
- ⇒ Support multi-master writes.
- ⇒ Guarantee low latency read operations.

What should you include in the recommendation?

- A. Azure Cosmos DB SQL API
- B. Azure SQL Database that uses active geo-replication
- C. Azure SQL Database Hyperscale
- D. Azure Database for PostgreSQL

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 2

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

HOTSPOT -

You have an Azure subscription that contains the SQL servers on Azure shown in the following table.

Name	Resource group	Location
SQLsvr1	RG1	East US
SQLsvr2	RG2	West US

The subscription contains the storage accounts shown in the following table.

Name	Resource group	Location	Account kind
storage1	RG1	East US	StorageV2 (general purposev2)
storage2	RG2	Central US	BlobStorage

You create the Azure SQL databases shown in the following table.

Name	Resource group	Server	Pricing tier
SQLdb1	RG1	SQLsvr1	Standard
SQLdb2	RG1	SQLsvr1	Standard
SQLdb3	RG2	SQLsvr2	Premium

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to storage2.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to storage2.	<input type="radio"/>	<input type="radio"/>

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 12

Topic #: 2

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

DRAG DROP -

You plan to import data from your on-premises environment to Azure. The data is shown in the following table.

On-premises source	Azure target
A Microsoft SQL Server 2012 database	An Azure SQL database
A table in a Microsoft SQL Server 2014 database	An Azure Cosmos DB account that uses the SQL API

What should you recommend using to migrate the data? To answer, drag the appropriate tools to the correct data sources. Each tool 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:

Tools

AzCopy

Azure Cosmos DB Data Migration Tool

Data Management Gateway

Data Migration Assistant

Answer Area

From the SQL Server 2012 database:

Tool

From the table in the SQL Server 2014 database:

Tool

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 2

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

You store web access logs data in Azure Blob Storage.

You plan to generate monthly reports from the access logs.

You need to recommend an automated process to upload the data to Azure SQL Database every month.

What should you include in the recommendation?

- A. Microsoft SQL Server Migration Assistant (SSMA)
- B. Data Migration Assistant (DMA)
- C. AzCopy
- D. Azure Data Factory

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 2

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

You have an Azure subscription.

Your on-premises network contains a file server named Server1. Server1 stores 5 TB of company files that are accessed rarely.

You plan to copy the files to Azure Storage.

You need to implement a storage solution for the files that meets the following requirements:

- ⇒ The files must be available within 24 hours of being requested.
- ⇒ Storage costs must be minimized.

Which two possible storage solutions achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Create an Azure Blob Storage account that is configured for the Cool default access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.
- B. Create a general-purpose v1 storage account. Create a blob container and copy the files to the blob container.
- C. Create a general-purpose v2 storage account that is configured for the Cool default access tier. Create a file share in the storage account and copy the files to the file share.
- D. Create a general-purpose v2 storage account that is configured for the Hot default access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.
- E. Create a general-purpose v1 storage account. Create a file share in the storage account and copy the files to the file share.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 2

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

You have an app named App1 that uses two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to migrate DB1 and DB2 to Azure

You need to recommend an Azure solution to host DB1 and DB2. The solution must meet the following requirements:

- ⇒ Support server-side transactions across DB1 and DB2.
- ⇒ Minimize administrative effort to update the solution.

What should you recommend?

- A. two Azure SQL databases in an elastic pool
- B. two databases on the same Azure SQL managed instance
- C. two databases on the same SQL Server instance on an Azure virtual machine
- D. two Azure SQL databases on different Azure SQL Database servers

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 2

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

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

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 17

Topic #: 2

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

HOTSPOT -

You are planning an Azure Storage solution for sensitive data. The data will be accessed daily. The dataset is less than 10 GB.

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

- ⇒ All the data written to storage must be retained for five years.
- ⇒ Once the data is written, the data can only be read. Modifications and deletion must be prevented.
- ⇒ After five years, the data can be deleted, but never modified.
- ⇒ Data access charges must be minimized.

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

Storage account type:

General purpose v2 with Archive access tier for blobs
General purpose v2 with Cool access tier for blobs
General purpose v2 with Hot access tier for blobs

Configuration to prevent modifications and deletions:

Container access level
Container access policy
Storage account resource lock

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 18

Topic #: 2

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

HOTSPOT -

You are designing a data storage solution to support reporting.

The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

- ⇒ Organize data in directories by date and time.
- ⇒ Allow stored data to be queried directly, transformed into summarized tables, and then stored in a data warehouse.
- ⇒ Ensure that the data warehouse can store 50 TB of relational data and support between 200 and 300 concurrent read operations.

Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Data store for the ingested data:

Azure Blob Storage
Azure Data Lake Storage Gen2
Azure Files
Azure NetApp Files

Data store for the data warehouse:

Azure Cosmos DB Cassandra API
Azure Cosmos DB SQL API
Azure SQL Database Hyperscale
Azure Synapse Analytics dedicated SQL pools

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 19

Topic #: 2

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

You have an app named App1 that uses an on-premises Microsoft SQL Server database named DB1.

You plan to migrate DB1 to an Azure SQL managed instance.

You need to enable customer managed Transparent Data Encryption (TDE) for the instance. The solution must maximize encryption strength.

Which type of encryption algorithm and key length should you use for the TDE protector?

- A. RSA 3072
- B. AES 256
- C. RSA 4096
- D. RSA 2048

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 2

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

You are planning an Azure IoT Hub solution that will include 50,000 IoT devices.

Each device will stream data, including temperature, device ID, and time data. Approximately 50,000 records will be written every second. The data will be visualized in near real time.

You need to recommend a service to store and query the data.

Which two services can you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Table Storage
- B. Azure Event Grid
- C. Azure Cosmos DB for NoSQL
- D. Azure Time Series Insights

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 21

Topic #: 2

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

HOTSPOT

-

You are planning an Azure Storage solution for sensitive data. The data will be accessed daily. The dataset is less than 10 GB.

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

- All the data written to storage must be retained for five years.
- Once the data is written, the data can only be read. Modifications and deletion must be prevented.
- After five years, the data can be deleted, but never modified.
- Data access charges must be minimized.

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

NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:

- Premium block blobs
- General purpose v2 with Cool access tier for blobs
- General purpose v2 with Hot access tier for blobs

Configuration to prevent modifications and deletions:

- Container access level
- Container access policy
- Storage account resource lock

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 22

Topic #: 2

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

HOTSPOT

-

You are designing a data analytics solution that will use Azure Synapse and Azure Data Lake Storage Gen2.

You need to recommend Azure Synapse pools to meet the following requirements:

- Ingest data from Data Lake Storage into hash-distributed tables.
- Implement query, and update data in Delta Lake.

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

NOTE: Each correct selection is worth one point.

Answer Area

Ingest data from Data Lake Storage into hash-distributed tables:

	▼
A dedicated SQL pool	
A serverless Apache Spark pool	
A serverless SQL pool	

Implement, query, and update data in Delta Lake:

	▼
A dedicated SQL pool	
A serverless Apache Spark pool	
A serverless SQL pool	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 2

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

You have an on-premises storage solution.

You need to migrate the solution to Azure. The solution must support Hadoop Distributed File System (HDFS).

What should you use?

- A. Azure Data Lake Storage Gen2
- B. Azure NetApp Files
- C. Azure Data Share
- D. Azure Table storage

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 24

Topic #: 2

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

DRAG DROP

-

You have an on-premises app named App1.

Customers use App1 to manage digital images.

You plan to migrate App1 to Azure.

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

- Encrypt images at rest.
- Allow files up to 50 MB.
- Manage access to the images by using Azure Web Application Firewall (WAF) on Azure Front Door.

The solution must meet the following customer account requirements:

- Support automatic scale out of the storage.
- Maintain the availability of App1 if a datacenter fails.
- Support reading and writing data from multiple Azure regions.

Which service should you include in the recommendation for each type of data? To answer, drag the appropriate services to the correct type of data. Each service 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 answer is worth one point.

Services

Azure Blob storage

Azure Cosmos DB

Azure SQL Database

Azure Table storage

Answer Area

Image storage:

Customer accounts:

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 25

Topic #: 2

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

You are designing an application that will aggregate content for users.

You need to recommend a database solution for the application. The solution must meet the following requirements:

- Support SQL commands.
- Support multi-master writes.
- Guarantee low latency read operations.

What should you include in the recommendation?

- A. Azure Cosmos DB for NoSQL
- B. Azure SQL Database that uses active geo-replication
- C. Azure SQL Database Hyperscale
- D. Azure Cosmos DB for PostgreSQL

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 26

Topic #: 2

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

You plan to migrate on-premises MySQL databases to Azure Database for MySQL Flexible Server.

You need to recommend a solution for the Azure Database for MySQL Flexible Server configuration. The solution must meet the following requirements:

- The databases must be accessible if a datacenter fails.
- Costs must be minimized.

Which compute tier should you recommend?

- A. Burstable
- B. General Purpose
- C. Memory Optimized

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 2

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

You are designing an app that will use Azure Cosmos DB to collate sales from multiple countries.

You need to recommend an API for the app. The solution must meet the following requirements:

- Support SQL queries.
- Support geo-replication.
- Store and access data relationally.

Which API should you recommend?

- A. Apache Cassandra
- B. PostgreSQL
- C. MongoDB
- D. NoSQL

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 28

Topic #: 2

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

HOTSPOT

-

You have an app that generates 50,000 events daily.

You plan to stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing of the events. The output of Event Hubs Capture will be consumed by a reporting system.

You need to identify which type of Azure storage must be provisioned to support Event Hubs Capture, and which inbound data format the reporting system must support.

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

NOTE: Each correct selection is worth one point.

Answer Area

Storage type:

- Azure Data Lake Storage Gen2
- Premium block blobs
- Premium file shares

Data format:

- Apache Parquet
- Avro
- JSON

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 29

Topic #: 2

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

You have the resources shown in the following table.

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB for NoSQL account

CDB1 hosts a container that stores continuously updated operational data.

You are designing a solution that will use AS1 to analyze the operational data daily.

You need to recommend a solution to analyze the data without affecting the performance of the operational data store.

What should you include in the recommendation?

- A. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
- B. Azure Synapse Analytics with PolyBase data loading
- C. Azure Synapse Link for Azure Cosmos DB
- D. Azure Cosmos DB change feed

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 30

Topic #: 2

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

HOTSPOT

-

You have an Azure subscription. The subscription contains an Azure SQL managed instance that stores employee details, including social security numbers and phone numbers.

You need to configure the managed instance to meet the following requirements:

- The helpdesk team must see only the last four digits of an employee's phone number.
- Cloud administrators must be prevented from seeing the employee's social security numbers.

What should you enable for each column in the managed instance? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Phone numbers:

- Always Encrypted
- Column encryption
- Dynamic data masking
- Transparent Data Encryption (TDE)

Social security numbers:

- Always Encrypted
- Column encryption
- Dynamic data masking
- Transparent Data Encryption (TDE)

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 31

Topic #: 2

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

You plan to use an Azure Storage account to store data assets.

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

- Supports immutable storage
- Disables anonymous access to the storage account
- Supports access control list (ACL)-based Azure AD permissions

What should you include in the recommendation?

- A. Azure Files
- B. Azure Data Lake Storage
- C. Azure NetApp Files
- D. Azure Blob Storage

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 32

Topic #: 2

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

HOTSPOT

-

You are designing a storage solution that will ingest, store, and analyze petabytes (PBs) of structured, semi-structured, and unstructured text data. The analyzed data will be offloaded to Azure Data Lake Storage Gen2 for long-term retention.

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

- Stores the processed data
- Provides interactive analytics
- Supports manual scaling, built-in autoscaling, and custom autoscaling

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

NOTE: Each correct selection is worth one point.

Answer Area

For storage and interactive analytics:

Azure Data Explorer
Azure Data Lake Analytics
Log Analytics

Query language:

KQL
Transact-SQL
U-SQL

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 33

Topic #: 2

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

HOTSPOT

-

You plan to use Azure SQL as a database platform.

You need to recommend an Azure SQL product and service tier that meets the following requirements:

- Automatically scales compute resources based on the workload demand
- Provides per second billing

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

NOTE: Each correct selection is worth one point.

Answer Area

Azure SQL product:

- A single Azure SQL database
- An Azure SQL Database elastic pool
- Azure SQL Managed Instance

Service tier:

- Basic
- Business Critical
- General Purpose
- Hyperscale
- Standard

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 34

Topic #: 2

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

HOTSPOT

-

You have an Azure subscription.

You need to deploy a solution that will provide point-in-time restore for blobs in storage accounts that have blob versioning and blob soft delete enabled.

Which type of blob should you create, and what should you enable for the accounts? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Blob type:

Append

Block

Page

Enable:

A stored access policy

Immutable blob storage

Object replication

The change feed

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 35

Topic #: 2

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

HOTSPOT

-

Your company, named Contoso, Ltd., has an Azure subscription that contains the following resources:

- An Azure Synapse Analytics workspace named contosoworkspace1
- An Azure Data Lake Storage account named contosolake1
- An Azure SQL database named contososql1

The product data of Contoso is copied from contososql1 to contosolake1.

Contoso has a partner company named Fabrikam Inc. Fabrikam has an Azure subscription that contains the following resources:

- A virtual machine named FabrikamVM1 that runs Microsoft SQL Server 2019
- An Azure Storage account named fabrikamsa1

Contoso plans to upload the research data on FabrikamVM1 to contosolake1. During the upload, the research data must be transformed to the data formats used by Contoso.

The data in contosolake1 will be analyzed by using contosoworkspace1.

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

- Upload and transform the FabrikamVM1 research data.
- Provide Fabrikam with restricted access to snapshots of the data in contosoworkspace1.

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

NOTE: Each correct selection is worth one point.

Answer Area

Upload and transform the data:

- Azure Data Box Gateway
- Azure Data Share
- Azure Synapse pipelines

Provide restricted access:

- Azure Data Box Gateway
- Azure Data Share
- Azure Synapse pipelines

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 36

Topic #: 2

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

HOTSPOT

-

You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:

- Database updates will be exported periodically into a staging area in Azure Blob storage.
- Data from the blob storage will be cleansed and transformed by using a highly parallelized load process.
- The transformed data will be loaded to a data warehouse.
- Each batch of updates will be used to refresh an online analytical processing (OLAP) model in a managed serving layer.
- The managed serving layer will be used by thousands of end users.

You need to implement the data warehouse and serving layers.

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

NOTE: Each correct selection is worth one point.

Answer Area

To implement the data warehouse:

- An Apache Spark pool in Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool
- Azure Data Lake Analytics

To implement the serving layer:

- Azure Analysis Services
- An Apache Spark pool Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 37

Topic #: 2

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

HOTSPOT

-

You have an Azure subscription.

You need to deploy a relational database. The solution must meet the following requirements:

- Support multiple read-only replicas.
- Automatically load balance read-only requests across all the read-only replicas.
- Minimize administrative effort

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

NOTE: Each correct selection is worth one point.

Answer Area

Service

	▼
A single Azure SQL database	
An Azure SQL Database elastic pool	
Azure SQL Managed Instances	

Service tier

	▼
Business Critical	
Hyperscale	
Premium	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 38

Topic #: 2

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

You have an app named App1 that uses an Azure Blob Storage container named app1data.

App1 uploads a cumulative transaction log file named File1.txt to a block blob in app1data once every hour. File1.txt only stores transaction data from the current day.

You need to ensure that you can restore the last uploaded version of File1.txt from any day for up to 30 days after the file was overwritten. The solution must minimize storage space.

What should you include in the solution?

- A. container soft delete
- B. blob snapshots
- C. blob soft delete
- D. blob versioning

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 39

Topic #: 2

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

You have 12 on-premises data sources that contain customer information and consist of Microsoft SQL Server, MySQL, and Oracle databases.

You have an Azure subscription.

You plan to create an Azure Data Lake Storage account that will consolidate the customer information for analysis and reporting.

You need to recommend a solution to automatically copy new information from the data sources to the Data Lake Storage account by using extract, transform and load (ETL). The solution must minimize administrative effort.

What should you include in the recommendation?

- A. Azure Data Factory
- B. Azure Data Explorer
- C. Azure Data Share
- D. Azure Data Studio

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 3

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

You have SQL Server on an Azure virtual machine. The databases are written to nightly as part of a batch process.

You need to recommend a disaster recovery solution for the data. The solution must meet the following requirements:

- ⇒ Provide the ability to recover in the event of a regional outage.
- ⇒ Support a recovery time objective (RTO) of 15 minutes.
- ⇒ Support a recovery point objective (RPO) of 24 hours.
- ⇒ Support automated recovery.
- ⇒ Minimize costs.

What should you include in the recommendation?

- A. Azure virtual machine availability sets
- B. Azure Disk Backup
- C. an Always On availability group
- D. Azure Site Recovery

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 2

Topic #: 3

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

HOTSPOT -

You plan to deploy the backup policy shown in the following exhibit.

Policy 1

Associated items Delete Save Discard

Backup schedule

*Frequency *Time *Timezone

Instant Restore

Retain instant recovery snapshot(s) for

Day(s)

Retention range

Retention of daily backup point.

*At For Day(s)

Retention of weekly backup point.

*On *At For Week(s)

Retention of monthly backup point.

Week Based

Day Based

*On *Day *At For Month(s)

Retention of yearly backup point.

Not Configured

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Virtual machines that are backed up by using the policy can be recovered for up to a maximum of **[answer choice]**:

<input type="text"/>	
90 days	
26 weeks	
36 months	
45 months	

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is **[answer choice]**:

<input type="text"/>	
1 hour	
1 day	
1 week	
1 month	
1 year	

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 3

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

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

⇒ Provide access to the full .NET framework.

Provide redundancy if an Azure region fails.

▪

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

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

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 3

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

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- ⇒ Provide access to the full .NET framework.
- ⇒ Provide redundancy if an Azure region fails.
- ⇒ Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy two Azure virtual machines to two Azure regions, and you deploy an Azure Application Gateway.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 5

Topic #: 3

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

HOTSPOT -

You plan to create an Azure Storage account that will host file shares. The shares will be accessed from on-premises applications that are transaction intensive. You need to recommend a solution to minimize latency when accessing the file shares. The solution must provide the highest-level of resiliency for the selected storage tier.

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

Storage tier:

	▼
Hot	
Premium	
Transaction optimized	

Redundancy:

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

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 3

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

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- ⇒ Provide access to the full .NET framework.
- ⇒ Provide redundancy if an Azure region fails.
- ⇒ Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy an Azure virtual machine scale set that uses autoscaling.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 7

Topic #: 3

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

HOTSPOT -

You need to recommend an Azure Storage account configuration for two applications named Application1 and Application2. The configuration must meet the following requirements:

- ⇒ Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
- ⇒ Storage for Application2 must provide the lowest possible storage costs per GB.
- ⇒ Storage for both applications must be available in an event of datacenter failure.
- ⇒ Storage for both applications must be optimized for uploads and downloads.

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

Application1:

	▼
BlobStorage with Standard performance, Hot access tier, and Read-access geo-redundant storage (RA-GRS) replication	
BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication	
General purpose v1 with Premium performance and Locally-redundant storage (LRS) replication	
General purpose v2 with Standard performance, Hot access tier, and Locally-redundant storage (LRS) replication	

Application2:

	▼
BlobStorage with Standard performance, Cool access tier, and Geo-redundant storage (GRS) replication	
BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication	
General purpose v1 with Standard performance and Read-access geo-redundant storage (RA-GRS) replication	
General purpose v2 with Standard performance, Cool access tier, and Read-access geo-redundant storage (RA-GRS) replication	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 8

Topic #: 3

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

HOTSPOT -

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

- ⇒ Prevent new data from being modified for one year.
- ⇒ Maximize data resiliency.
- ⇒ Minimize read latency.

What storage solution should you recommend for the app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Storage Account type:

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

Redundancy:

	▼
Zone-redundant storage (ZRS)	
Locally-redundant storage (LRS)	

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 3

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

You plan to deploy 10 applications to Azure. The applications will be deployed to two Azure Kubernetes Service (AKS) clusters. Each cluster will be deployed to a separate Azure region.

The application deployment must meet the following requirements:

- ⇒ Ensure that the applications remain available if a single AKS cluster fails.
- ⇒ Ensure that the connection traffic over the internet is encrypted by using SSL without having to configure SSL on each container.

Which service should you include in the recommendation?

- A. Azure Front Door
- B. Azure Traffic Manager
- C. AKS ingress controller
- D. Azure Load Balancer

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 3

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

HOTSPOT -

You have an on-premises file server that stores 2 TB of data files.

You plan to move the data files to Azure Blob Storage in the West Europe Azure region.

You need to recommend a storage account type to store the data files and a replication solution for the storage account. The solution must meet the following requirements:

- ⇒ Be available if a single Azure datacenter fails.
- ⇒ Support storage tiers.
- ⇒ Minimize cost.

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

Storage Account type:

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

Redundancy:

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

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 3

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

HOTSPOT -

You have an Azure web app named App1 and an Azure key vault named KV1.

App1 stores database connection strings in KV1.

App1 performs the following types of requests to KV1:

- ⇒ Get
- ⇒ List
- ⇒ Wrap
- ⇒ Delete

Unwrap -

-
- ⇒ Backup
- ⇒ Decrypt
- ⇒ Encrypt

You are evaluating the continuity of service for App1.

You need to identify the following if the Azure region that hosts KV1 becomes unavailable:

- ⇒ To where will KV1 fail over?
- ⇒ During the failover, which request type will be unavailable?

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

To where will KV1 fail over?

A server in the same availability set
A server in the same fault domain
A server in the paired region
A virtual machine in a scale set

During the failover, which request type will be unavailable?

Get
List
Wrap
Delete
Unwrap
Backup
Decrypt
Encrypt

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 12

Topic #: 3

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

DRAG DROP -

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting applications in the company's on-premises data center:

- ⇒ The sales application must be able to fail over to a second on-premises data center.
- ⇒ The reporting application must be able to recover point-in-time data at a daily granularity. The RTO is eight hours.
- ⇒ The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery time objective (RTO) is 10 minutes.

You need to recommend which services meet the business continuity and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct applications. Each service 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:

Services

Azure Backup only

Azure Site Recovery and Azure Backup

Azure Site Recovery only

Answer Area

Sales:

Service or Services

Finance:

Service or Services

Reporting:

Service or Services

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 3

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

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 Database Premium
- C. Azure SQL Database Basic
- D. Azure SQL Managed Instance General Purpose

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 3

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

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 Database Premium
- C. Azure SQL Database Basic
- D. Azure SQL Database Hyperscale

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 3

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

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 need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- ⇒ Provide access to the full .NET framework.
- ⇒ Provide redundancy if an Azure region fails.
- ⇒ Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy a web app in an Isolated App Service plan.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 3

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

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 Serverless
- B. Azure SQL Database Business Critical
- C. Azure SQL Database Basic
- D. Azure SQL Database Standard

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 17

Topic #: 3

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

HOTSPOT

-

You have an on-premises Microsoft SQL Server database named SQL1.

You plan to migrate SQL1 to Azure.

You need to recommend a hosting solution for SQL1. The solution must meet the following requirements:

- Support the deployment of multiple secondary, read-only replicas.
- Support automatic replication between primary and secondary replicas.
- Support failover between primary and secondary replicas within a 15-minute recovery time objective (RTO).

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

Azure service or service tier:

	▼
Azure SQL Database	
Azure SQL managed Instance	
The Hyperscale service tier	

Replication mechanism:

	▼
Active geo-replication	
Auto-failover groups	
Standard geo-replication	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 18

Topic #: 3

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

HOTSPOT

-

You have two on-premises Microsoft SQL Server 2017 instances that host an Always On availability group named AG1. AG1 contains a single database named DB1.

You have an Azure subscription that contains a virtual machine named VM1. VM1 runs Linux and contains a SQL Server 2019 instance.

You need to migrate DB1 to VM1. The solution must minimize downtime on DB1.

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

NOTE: Each correct selection is worth one point.

Prepare for the migration by:

- Adding a secondary replica to AG1
- Creating an Always On availability group on VM1
- Upgrading the on-premises SQL Server instances

Perform the migration by using:

- A distributed availability group
- Azure Migrate
- Log shipping

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 19

Topic #: 3

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

HOTSPOT

-

You are building an Azure web app that will store the Personally Identifiable Information (PII) of employees.

You need to recommend an Azure SQL Database solution for the web app. The solution must meet the following requirements:

- Maintain availability in the event of a single datacenter outage.
- Support the encryption of specific columns that contain PII.
- Automatically scale up during payroll operations.
- Minimize costs.

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

NOTE: Each correct selection is worth one point.

Answer Area

Service tier and computer tier:

Business Critical service tier and Serverless computer tier
General Purpose service tier and Serverless computer tier
Hyperscale service tier and Provisioned compute tier

Encryption method:

Always Encrypted
Microsoft SQL Server and database encryption keys
Transparent Data Encryption (TDE)

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 3

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

You plan to deploy an Azure Database for MySQL flexible server named Server1 to the East US Azure region.

You need to implement a business continuity solution for Server1. The solution must minimize downtime in the event of a failover to a paired region.

What should you do?

- A. Create a read replica.
- B. Store the database files in Azure premium file shares.
- C. Implement Geo-redundant backup.
- D. Configure native MySQL replication.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 21

Topic #: 3

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

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

Name	Type	Description
VNet1	Virtual Network	<i>None</i>
LB1	Public load balancer	Includes a backend pool name BP1
VMSS1	Azure Virtual Machine Scale Sets	Included in BP1 Connected to VNet1
NVA1	Network Virtual Appliance (NVA)	Connected to VNet1 Performs security filtering of traffic for VMSS1
NVA2	Network Virtual Appliance (NVA)	Connected to VNet1 Performs security filtering of traffic for VMSS1

You need to recommend a load balancing solution that will distribute incoming traffic for VMSS1 across NVA1 and NVA2. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. Gateway Load Balancer
- B. Azure Front Door
- C. Azure Application Gateway
- D. Azure Traffic Manager

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 22

Topic #: 3

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

HOTSPOT

-

You have the Azure subscriptions shown in the following table.

Name	Location	Azure AD tenant
Sub1	East US	contoso.onmicrosoft.com
Sub2	East US	contoso-recovery.onmicrosoft.com

Contoso.onmicrosoft.com contains a user named User1.

You need to deploy a solution to protect against ransomware attacks. The solution must meet the following requirements:

- Ensure that all the resources in Sub1 are backed up by using Azure Backup.
- Require that User1 first be assigned a role for Sub2 before the user can make major changes to the backup configuration.

What should you create in each subscription? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Sub1:

- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

Sub2:

- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 3

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

HOTSPOT

-

You have 10 on-premises servers that run Windows Server.

You need to perform daily backups of the servers to a Recovery Services vault. The solution must meet the following requirements:

- Back up all the files and folders on the servers.
- Maintain three copies of the backups in Azure.
- Minimize costs.

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

NOTE: Each correct selection is worth one point.

Answer Area

On the servers:
The Azure Site Recovery Mobility service
The Microsoft Azure Recovery Services (MARS) agent
Volume Shadow Copy Service (VSS)

For the storage:
Geo-redundant storage (GRS)
Locally-redundant storage (LRS)
Zone-redundant storage (ZRS)

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 24

Topic #: 3

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

HOTSPOT

-

You plan to deploy a containerized web-app that will be hosted in five Azure Kubernetes Service (AKS) clusters. Each cluster will be hosted in a different Azure region.

You need to provide access to the app from the internet. The solution must meet the following requirements:

- Incoming HTTPS requests must be routed to the cluster that has the lowest network latency.
- HTTPS traffic to individual pods must be routed via an ingress controller.
- In the event of an AKS cluster outage, failover time must be minimized.

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

For global load balancing:

- Azure Front Door
- Azure Traffic Manager
- Cross-region load balancing in Azure
- Standard Load Balancer

As the ingress controller:

- Azure Application Gateway
- Azure Standard Load Balancer
- Basic Azure Load Balancer

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 25

Topic #: 3

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

HOTSPOT

-

You have an Azure subscription.

You create a storage account that will store documents.

You need to configure the storage account to meet the following requirements:

- Ensure that retention policies are standardized across the subscription.
- Ensure that data can be purged if the data is copied to an unauthorized location.

Which two settings should you enable? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.

Recovery	
▼	<input type="checkbox"/> Enable operational backup with Azure Backup
▼	<input type="checkbox"/> Enable point-in-time restore for containers
▼	<input type="checkbox"/> Enable soft delete for blobs
▼	<input type="checkbox"/> Enable soft delete for containers
▼	<input type="checkbox"/> Enable permanent delete for soft deleted items
Tracking	
▼	<input type="checkbox"/> Enable versioning for blobs
▼	<input type="checkbox"/> Enable blob change feed
Access control	
▼	<input type="checkbox"/> Enable version-level immutability support

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 26

Topic #: 3

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

HOTSPOT

-

You have an Azure subscription.

You are designing a solution for containerized apps. The solution must meet the following requirements:

- Automatically scale the apps by creating additional instances.
- Minimize administrative effort to maintain nodes and clusters.
- Ensure that containerized apps are highly available across multiple availability zones.
- Provide a central location for the lifecycle management and storage of container images.

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

To run the containerized apps:

	▼
Azure Container Apps	
Azure Container Instances	
Azure Container Registry	
Azure Kubernetes Service (AKS)	

For the lifecycle management and storage of container images:

	▼
Azure Container Apps	
Azure Container Instances	
Azure Container Registry	
Azure Service Fabric	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 3

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

DRAG DROP

-

You plan to use Azure Storage to store data assets.

You need to identify the procedure to fail over a general-purpose v2 account as part of a disaster recovery plan. The solution must meet the following requirements:

- Apps must be able to access the storage account after a failover.
- You must be able to fail back the storage account to the original location.
- Downtime must be minimized.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

After a failover, configure geo-redundant storage (GRS) replication for the storage account.

Initiate a failover.

Before a failover, configure zone-redundant storage (ZRS) replication for the storage account.

Before a failover, configure geo-redundant storage (GRS) replication for the storage account.

After a failover, configure zone-redundant storage (ZRS) replication for the storage account.



Answer Area



Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 4

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

You have an Azure subscription that contains a Basic Azure virtual WAN named VirtualWAN1 and the virtual hubs shown in the following table.

Name	Location
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East Azure region.

You need to create an ExpressRoute association to VirtualWAN1.

What should you do first?

- A. Upgrade VirtualWAN1 to Standard.
- B. Create a gateway on Hub1.
- C. Enable the ExpressRoute premium add-on.
- D. Create a hub virtual network in US East.

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 2

Topic #: 4

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

You have an Azure subscription that contains a storage account.

An application sometimes writes duplicate files to the storage account.

You have a PowerShell script that identifies and deletes duplicate files in the storage account. Currently, the script is run manually after approval from the operations manager.

You need to recommend a serverless solution that performs the following actions:

- ⇒ Runs the script once an hour to identify whether duplicate files exist
- ⇒ Sends an email notification to the operations manager requesting approval to delete the duplicate files
- ⇒ Processes an email response from the operations manager specifying whether the deletion was approved
- ⇒ Runs the script if the deletion was approved

What should you include in the recommendation?

- A. Azure Logic Apps and Azure Event Grid
- B. Azure Logic Apps and Azure Functions
- C. Azure Pipelines and Azure Service Fabric
- D. Azure Functions and Azure Batch

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 4

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

Your company has the infrastructure shown in the following table.

Location	Resource
Azure	<ul style="list-style-type: none">• Azure subscription named Subscription1• 20 Azure web apps
On-premises datacenter	<ul style="list-style-type: none">• Active Directory domain• Server running Azure AD Connect• Linux computer named Server1

The on-premises Active Directory domain syncs with Azure Active Directory (Azure AD).

Server1 runs an application named App1 that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that App1 continues to function after the migration. The solution must meet the security policy.

What should you include in the recommendation?

- A. Azure AD Application Proxy
- B. the Active Directory Domain Services role on a virtual machine
- C. an Azure VPN gateway
- D. Azure AD Domain Services (Azure AD DS)

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 4

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

You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:

- ⇒ The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.
- ⇒ Costs must be minimized.

What should you include in the solution?

- A. Azure Logic Apps in the Consumption plan
- B. Azure Functions in the Premium plan
- C. Azure Functions in the Consumption plan
- D. Azure Logic Apps in the integrated service environment

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 5

Topic #: 4

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

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

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

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

What should you include in the recommendation?

- A. a Recovery Services vault and Windows Server Backup
- B. Azure blob containers and Azure File Sync
- C. a Recovery Services vault and Azure Backup
- D. an Azure file share and Azure File Sync

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 4

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

HOTSPOT -

You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.

You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server is prevented from accessing the internet.

An Azure logic app resource named LogicApp1 requires write access to a database on Server1.

You need to recommend a solution to provide LogicApp1 with the ability to access Server1.

What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

On-premises:

	▼
A Web Application Proxy for Windows Server	
An Azure AD Application Proxy connector	
An On-premises data gateway	
Hybrid Connection Manager	

Azure:

	▼
A connection gateway resource	
An Azure Application Gateway	
An Azure Event Grid domain	
An enterprise application	

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 7

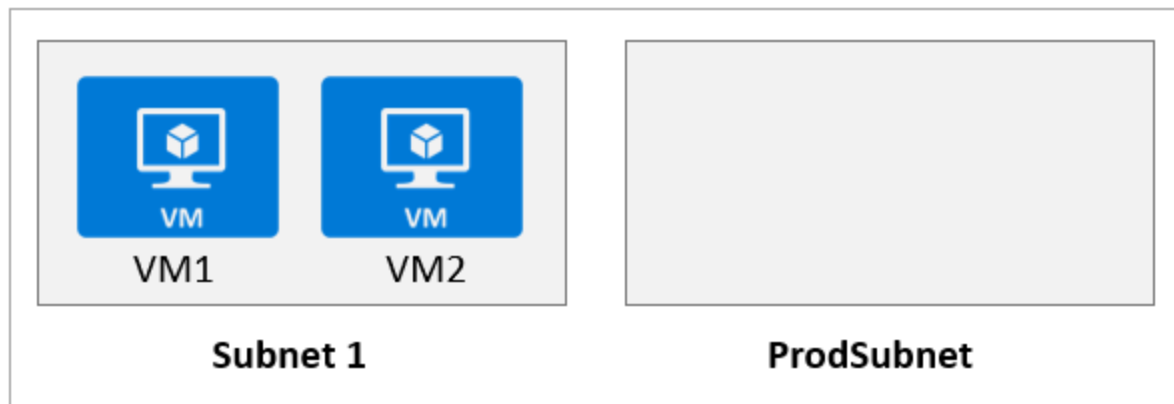
Topic #: 4

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

HOTSPOT -

Your company develops a web service that is deployed to an Azure virtual machine named VM1. The web service allows an API to access real-time data from VM1.

The current virtual machine deployment is shown in the Deployment exhibit.



The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named VM1.

Testing has shown that the API is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in applications that they develop."

You deploy an Azure API Management (APIM) service. The relevant API Management configuration is shown in the API exhibit.

Virtual network

Off

External

Internal

Location

Virtual network

Subnet

West Europe

VNet1

ProdSubnet

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements

Yes

No

The API is available to partners over the internet.

The APIM instance can access real-time data from VM1.

A VPN gateway is required for partner access.

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 8

Topic #: 4

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

DRAG DROP -

Your company has an existing web app that runs on Azure virtual machines.

You need to ensure that the app is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruptions to the code of the app.

What should you recommend? To answer, drag the appropriate services to the correct targets. Each service 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:

Services

Web Application Firewall (WAF)

Azure Application Gateway

Azure Load Balancer

Azure Traffic Manager

SSL offloading

URL-based content routing

Answer Area

Azure service:

Service

Feature:

Service

Show Suggested Answer

Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 4

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

You are designing a microservices architecture that will be hosted in an Azure Kubernetes Service (AKS) cluster. Apps that will consume the microservices will be hosted on Azure virtual machines. The virtual machines and the AKS cluster will reside on the same virtual network.

You need to design a solution to expose the microservices to the consumer apps. The solution must meet the following requirements:

- ⇒ Ingress access to the microservices must be restricted to a single private IP address and protected by using mutual TLS authentication.
- ⇒ The number of incoming microservice calls must be rate-limited.
- ⇒ Costs must be minimized.

What should you include in the solution?

- A. Azure App Gateway with Azure Web Application Firewall (WAF)
- B. Azure API Management Standard tier with a service endpoint
- C. Azure Front Door with Azure Web Application Firewall (WAF)
- D. Azure API Management Premium tier with virtual network connection

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 4

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

You have a .NET web service named Service1 that performs the following tasks:

- ⇒ Reads and writes temporary files to the local file system.
- ⇒ Writes to the Application event log.

You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:

- ⇒ Minimize maintenance overhead.
- ⇒ Minimize costs.

What should you include in the recommendation?

- A. an Azure App Service web app
- B. an Azure virtual machine scale set
- C. an App Service Environment (ASE)
- D. an Azure Functions app

Show Suggested Answer



Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 4

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

You have the Azure resources shown in the following table.

Name	Type	Location
US-Central-Firewall-policy	Azure Firewall policy	Central US
US-East-Firewall-policy	Azure Firewall policy	East US
EU-Firewall-policy	Azure Firewall policy	West Europe
USEastfirewall	Azure Firewall	Central US
USWestfirewall	Azure Firewall	East US
EUFirewall	Azure Firewall	West Europe

You need to deploy a new Azure Firewall policy that will contain mandatory rules for all Azure Firewall deployments. The new policy will be configured as a parent policy for the existing policies.

What is the minimum number of additional Azure Firewall policies you should create?

- A. 0
- B. 1
- C. 2
- D. 3

Show Suggested Answer

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
- B. DTU-based Standard
- C. vCore-based Business Critical
- D. DTU-based Basic

Show Suggested Answer



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
- D. Azure Traffic Manager

Show Suggested Answer





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
- D. Azure Cost Management

Show Suggested Answer



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
- C. Azure Purview
- D. Azure Lighthouse

Show Suggested Answer



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	

Show Suggested Answer

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

Show Suggested Answer

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.

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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

Show Suggested Answer





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.

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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

Show Suggested Answer



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)	

Show Suggested Answer

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

Show Suggested Answer

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

Show Suggested Answer

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
- C. Conditional Access policies
- D. role-based access control (RBAC)

Show Suggested Answer



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

172.16.0.0/16

172.16.1.0/27

192.168.0.0/24

192.168.1.0/27

Answer Area

Subnet1:

Gateway subnet:

Show Suggested Answer



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
- D. Azure Data Box Gateway

Show Suggested Answer





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
- D. horizontal pod autoscaler

Show Suggested Answer



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:

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Install an Azure File Sync agent.

Install a self-hosted integration runtime.

Install the File Server Resource Manager role service.

From the data factory:

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Create a pipeline.

Create an Azure Import/Export job.

Provision an Azure-SQL Server Integration Services (SSIS) integration runtime.

Show Suggested Answer



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
- D. Virtual Kubelet

Show Suggested Answer



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
- C. an Azure Event Grid domain
- D. an Azure Event Hubs capture

Show Suggested Answer



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
- C. Azure Data Catalog
- D. SQL Server Migration Assistant (SSMA)

Show Suggested Answer



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
- D. the Azure File Sync agent

Show Suggested Answer





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
- D. Azure AD Identity Protection
- E. Conditional Access policies

Show Suggested Answer





Actual exam question from Microsoft's AZ-305

Question #: 33

Topic #: 4

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

You plan to automata 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.

Show Suggested Answer



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)	

Show Suggested Answer

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
- B. Azure Traffic Manager
- C. Azure Application Gateway
- D. Azure Load Balancer

Show Suggested Answer



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 C NAME 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	

Show Suggested Answer

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
- D. Azure virtual machine scale set

Show Suggested Answer





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

B. No

Show Suggested Answer





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
- B. Azure Arc
- C. Azure Analysis Services
- D. Azure Monitor action groups

[Show Suggested Answer](#)





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
- C. Conditional Access policies
- D. role-based access control (RBAC)

Show Suggested Answer





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
- D. Azure Blob Storage

Show Suggested Answer





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
- B. Data Migration Assistant (DMA)
- C. Azure Data Box
- D. Azure Database Migration Service

Show Suggested Answer





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

Show Suggested Answer





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
- C. premium page blobs
- D. premium file shares

Show Suggested Answer



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)
- 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

Show Suggested Answer



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:

<input type="checkbox"/>	The child management groups
<input type="checkbox"/>	The root management group
<input type="checkbox"/>	The subscriptions

Level at which to create the blueprint assignments:

<input type="checkbox"/>	The child management groups
<input type="checkbox"/>	The root management group
<input type="checkbox"/>	The subscriptions

Show Suggested Answer

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: Method

Data: Method

Show Suggested Answer

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.
- E. Enable parallel task execution on compute nodes.

Show Suggested Answer



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
- C. Azure SQL Database
- D. Azure SQL Managed Instance

Show Suggested Answer



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

Show Suggested Answer

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

Show Suggested Answer



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

Show Suggested Answer



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)
- D. an Always On Failover Cluster Instance that has a virtual network name (VNN) and a premium file share

Show Suggested Answer





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

Show Suggested Answer



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 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

Show Suggested Answer

