

## Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

<https://www.2passeasy.com/dumps/AZ-305/>



### NEW QUESTION 1

- (Exam Topic 4)

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.

Answer Area

To provide access to virtual machines on VNET1, use:

Azure Bastion  
 Just-in-time (JIT) VM access  
 Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

An Azure Identity Governance access package  
 A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In  
 A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Answer Area

To provide access to virtual machines on VNET1, use:

Azure Bastion  
 Just-in-time (JIT) VM access  
 Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

An Azure Identity Governance access package  
 A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In  
 A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

### NEW QUESTION 2

- (Exam Topic 4)

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. IncL

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.

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

Answer: D

Explanation:

API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.

You can secure API Management using the OAuth 2.0 client credentials flow. Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-key-concepts> <https://docs.microsoft.com/en-us/azure/api-management/api-management-features> <https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad#ena>

### NEW QUESTION 3

- (Exam Topic 4)

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 Azure virtual machine scale set that uses autoscaling.

Does this meet the goal?

- A. Yes  
 B. No

Answer: B

**Explanation:**

Instead, you should deploy two Azure virtual machines to two Azure regions, and you create a Traffic Manager profile.

**NEW QUESTION 4**

- (Exam Topic 4)

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 has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use Azure Network Watcher to run IP flow verify to analyze the network traffic

Does the solution meet the goal?

A. Yes

B. No

**Answer: A**

**Explanation:**

The Network Watcher Network performance monitor is a cloud-based hybrid network monitoring solution that helps you monitor network performance between various points in your network infrastructure. It also helps you monitor network connectivity to service and application endpoints and monitor the performance of Azure ExpressRoute.

Note:

IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.

IP flow verify looks at the rules for all Network Security Groups (NSGs) applied to the network interface, such as a subnet or virtual machine NIC. Traffic flow is then verified based on the configured settings to or from that network interface. IP flow verify is useful in confirming if a rule in a Network Security Group is blocking ingress or egress traffic to or from a virtual machine.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview> <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

**NEW QUESTION 5**

- (Exam Topic 4)

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Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is being 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

**Answer: B**

**Explanation:**

Instead use Azure Network Watcher IP Flow Verify, which allows you to detect traffic filtering issues at a VM level.

Note: IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview> <https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics>

**NEW QUESTION 6**

- (Exam Topic 4)

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Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use the Azure Advisor to analyze the network traffic.

Does the solution meet the goal?

A. Yes

B. No

**Answer: B**

**Explanation:**

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Note: Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure

resources.

With Advisor, you can:

Get proactive, actionable, and personalized best practices recommendations.

Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.

Get recommendations with proposed actions inline. Reference:

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

#### NEW QUESTION 7

- (Exam Topic 4)

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

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

**Answer:** A

#### NEW QUESTION 8

- (Exam Topic 4)

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

**Answer:** A

#### Explanation:

Azure Data Factory is the platform that solves such data scenarios. It is the cloud-based ETL and data integration service that allows you to create data-driven workflows for orchestrating data movement and transforming data at scale. Using Azure Data Factory, you can create and schedule data-driven workflows (called pipelines) that can ingest data from disparate data stores. You can build complex ETL processes that transform data visually with data flows or by using compute services such as Azure HDInsight Hadoop, Azure Databricks, and Azure SQL Database.

Reference:

<https://docs.microsoft.com/en-gb/azure/data-factory/introduction>

#### NEW QUESTION 9

- (Exam Topic 4)

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

**Answer:** CD

#### Explanation:

D: Time Series Insights is a fully managed service for time series data. In this architecture, Time Series Insights performs the roles of stream processing, data store, and analytics and reporting. It accepts streaming data from either IoT Hub or Event Hubs and stores, processes, analyzes, and displays the data in near real time.

C: The processed data is stored in an analytical data store, such as Azure Data Explorer, HBase, Azure Cosmos DB, Azure Data Lake, or Blob Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/scenarios/time-series>

#### NEW QUESTION 10

- (Exam Topic 4)

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After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

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

Solution: You recommend using an Azure policy to enforce the resource group location. Does this meet the goal?

- A. Yes
- B. No



**Answer:** A

**Explanation:**

Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Reference:

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

**NEW QUESTION 10**

- (Exam Topic 4)

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. Implement Azure AD Privileged Identity Management.
- D. Create an access review.

**Answer:** D

**Explanation:**

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#learn-about-access-reviews> Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.

An administrator creates an access review of Group1 with 50 member users and 25 guest users. Makes it a self-review. 50 licenses for each user as self-reviewers.\*

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#example-license-requirements>

There are 4 requirements and every single one is only met by access reviews.

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#when-should-you-review>

Dynamic User is needed if a user must be automatically granted access on the basis of its attributes (department, job title, location, etc.)

<https://techcommunity.microsoft.com/t5/itops-talk-blog/dynamic-groups-in-azure-ad-and-microsoft-365/ba-p/22>

Implementing Azure AD PIM is no solution and absolutely not necessary for access reviews. <https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#where-do-you-create-access-reviews>

**NEW QUESTION 13**

- (Exam Topic 4)

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

**Answer:** AC

**Explanation:**

A: Application Proxy is a feature of Azure AD that enables users to access on-premises web applications from a remote client. Application Proxy includes both the Application Proxy service which runs in the cloud, and the Application Proxy connector which runs on an on-premises server.

You can configure single sign-on to an Application Proxy application.

C: Microsoft recommends using Application Proxy with pre-authentication and Conditional Access policies for remote access from the internet. An approach to provide Conditional Access for intranet use is to modernize applications so they can directly authenticate with AAD.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-config-sso-how-to> <https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-deployment-plan>

**NEW QUESTION 14**

- (Exam Topic 4)

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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 an Azure policy initiative to enforce the location. Does this meet the goal?

- A. Yes

B. No

**Answer:** A

**Explanation:**

Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Reference:

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

**NEW QUESTION 15**

- (Exam Topic 4)

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

**Answer:** B

**Explanation:**

A queue allows processing of a message by a single consumer. In contrast to queues, topics and subscriptions provide a one-to-many form of communication in a publish and subscribe pattern. It's useful for scaling to large numbers of recipients. Each published message is made available to each subscription registered with the topic. Publisher sends a message to a topic and one or more subscribers receive a copy of the message, depending on filter rules set on these subscriptions.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics-subscriptions>

**NEW QUESTION 17**

- (Exam Topic 4)

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

## Policy 1

Associated items Delete Save Discard

### Backup schedule

\*Frequency \*Time \*Timezone  
Daily 6:00 PM (UTC) Coordinated Univer...

### Instant Restore i

Retain instant recovery snapshot(s) for

3 Day(s) i

### Retention range

☒ Retention of daily backup point.

\*At For  
6:00 PM 90 Day(s)

☒ Retention of weekly backup point.

\*On \*At For  
Sunday 6:00 PM 26 Week(s)

☒ Retention of monthly backup point.

Week Based Day Based

\*On \*Day \*At For  
First Sunday 6:00 PM 36 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.

## Answer Area

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

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]**:

1 hour	
1 day	
1 week	
1 month	
1 year	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-vm-backup-faq#what-s-the-minimum-rpo-and-rto>

**NEW QUESTION 21**

- (Exam Topic 4)

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. Which type of identity should you include in the recommendation?

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

**Answer:** D

**Explanation:**

Managed identities for Azure resources is a feature of Azure Active Directory.

User-assigned managed identity can be shared. The same user-assigned managed identity can be associated with more than one Azure resource.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

**NEW QUESTION 25**

- (Exam Topic 4)

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 Azure Security Center. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

The Regulatory compliance dashboard in Azure Security Center is not used for regional compliance. Note: Instead Azure Resource Policy Definitions can be used which can be applied to a specific Resource

Group with the App Service instances.

Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

Reference:

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

<https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available>

**NEW QUESTION 26**

- (Exam Topic 4)

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Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use the Azure Traffic Analytics solution in Azure Log Analytics to analyze the network traffic.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic. Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview> <https://docs.microsoft.com/en-us/azure/network-watcher/network->



watcher-ip-flow-verify-overview

### NEW QUESTION 28

- (Exam Topic 4)

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.

### Answer Area

Management groups:

Blueprint definitions:

Blueprint assignments:

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.

Box 2: 2

Box 3: 4

One assignment for each subscription.

"Assigning a blueprint definition to a management group means the assignment object exists at the management group. The deployment of artifacts still targets a subscription. To perform a management group assignment, the Create Or Update REST API must be used and the request body must include a value for properties.scope to define the target subscription."

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

### NEW QUESTION 30

- (Exam Topic 4)

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. Server1 is prevented from accessing the internet.

An Azure logic app 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.

## 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	

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

Box 1: An on-premises data gateway

For logic apps in global, multi-tenant Azure that connect to on-premises SQL Server, you need to have the on-premises data gateway installed on a local computer and a data gateway resource that's already created in Azure.

Box 2: A connection gateway resource Reference:

<https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure>

## NEW QUESTION 32

- (Exam Topic 4)

You have an Azure subscription that contains a custom application named Application1. Application1 was developed by an external company named Fabric, 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 Fabric 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 access permission, automatically revoke that permission.
- \* Minimize development effort. What should you recommend?

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

**Answer:** D

### Explanation:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-user-access-with-access-reviews> Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group

memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access. Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.

Why are access reviews important?

"Azure AD enables you to collaborate with users from inside your organization and with external users. Users can join groups, invite guests, connect to cloud apps, and work remotely from their work or personal devices. The convenience of using self-service has led to a need for better access management capabilities."

## NEW QUESTION 35

- (Exam Topic 4)

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 integrated service environment
- B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan
- C. Azure Logic Apps in the Consumption plan
- D. Azure Functions in the Consumption plan

**Answer:** D

**Explanation:**

When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan.

For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance. Connect to private endpoints with Azure Functions

As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale> <https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p> Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale#hosting-plans-comparison>

**NEW QUESTION 38**

- (Exam Topic 4)

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

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

What should you include in the recommendation?

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

**Answer:** A

**Explanation:**

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

"Service Bus offers a reliable and secure platform for asynchronous transfer of data and state." ... "Service Bus supports standard AMQP 1.0 and HTTP/REST protocols."

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview>

**NEW QUESTION 41**

- (Exam Topic 4)

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 Analytics with PolyBase data loading
- D. Azure Synapse Link for Azure Cosmos DB

**Answer:** C

**NEW QUESTION 45**

- (Exam Topic 4)

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

**Answer:** A

**Explanation:**

One option is to deploy APIM (API Management) inside the cluster VNet.

The AKS cluster and the applications that consume the microservices might reside within the same VNet, hence there is no reason to expose the cluster publicly as all API traffic will remain within the VNet. For these scenarios, you can deploy API Management into the cluster VNet. API Management Premium tier supports VNet deployment.

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-kubernetes>

#### NEW QUESTION 49

- (Exam Topic 4)

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.

#### 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

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:

References:

<https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-to-azure-sql> <https://docs.microsoft.com/en-us/azure/cosmos-db/import-data>

#### NEW QUESTION 54

- (Exam Topic 4)

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.

#### Answer Area

Storage account type:

Premium file shares  
 Premium page blobs  
 Standard general-purpose v2

Data redundancy:

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

These are the selections for Data redundancy

Networking:

Azure Route Server  
 A private endpoint  
 A service endpoint

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:



## Answer Area

Storage account type:

- Premium file shares
- Premium page blobs
- Standard general-purpose v2

Data redundancy:

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

Networking:

- Azure Route Server
- A private endpoint
- A service endpoint

These are the selections for Data redundancy

### NEW QUESTION 58

- (Exam Topic 4)

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 has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Install and configure the Microsoft Monitoring Agent and the Dependency Agent on all VMs. Use the Wire Data solution in Azure Monitor to analyze the network traffic.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer: B**

#### Explanation:

Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.

Note: Wire Data looks at network data at the application level, not down at the TCP transport layer. The solution doesn't look at individual ACKs and SYN's.

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-monitoring-overview> <https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview>

### NEW QUESTION 59

- (Exam Topic 4)

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	450 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% 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. The solution must minimize costs. Which service tier should you use?

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

**Answer: C**

#### Explanation:

DTU-based Standard supports databases up to 1 TB in size. Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tiers-dtu>

### NEW QUESTION 63

- (Exam Topic 4)

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. Virtual Kubetet
- B. cluster autoscaler
- C. virtual nodes
- D. horizontal pod autoscaler

**Answer:** C

**Explanation:**

<https://docs.microsoft.com/en-us/azure/aks/virtual-nodes>

#### NEW QUESTION 64

- (Exam Topic 4)

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

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

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

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

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

What should you include in the recommendation?

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

**Answer:** B

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

SQL Managed Instance allows existing SQL Server customers to lift and shift their on-premises applications to the cloud with minimal application and database changes. At the same time, SQL Managed Instance preserves all PaaS capabilities (automatic patching and version updates, automated backups, high availability) that drastically reduce management overhead and TCO.

<https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/transact-sql-tsql-differences-sql-server#clr> <https://docs.microsoft.com/en-gb/azure/azure-sql/database/transact-sql-tsql-differences-sql-server#transact-sql-s>

#### NEW QUESTION 65

- (Exam Topic 4)

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

**Answer:** B

**Explanation:**

Resource locks are not used for compliance purposes. Resource locks prevent changes from being made to resources.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources>

#### NEW QUESTION 69

- (Exam Topic 4)

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

You need to recommend a solution to store their 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.

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: Get  
Keys: List and Get  
Secrets: Get  
Secrets: List and Get

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
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: Get  
Keys: List and Get  
Secrets: Get  
Secrets: List and Get

NEW QUESTION 74

- (Exam Topic 4)

You need to recommend an Azure Storage Account configuration for two applications named Application1 and Applications. 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 optimized for uploads and downloads.
- Storage for both applications must be available in an event of datacenter failure.

What should you recommend ? To answer, select the appropriate options in the answer area NOTE: Each correct selection is worth one point

## 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

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Graphical user interface, text, application Description automatically generated

Box 1: BlobStorage with Premium performance and Zone-redundant storage (ZRS) replication.

BlockBlobStorage accounts: Storage accounts with premium performance characteristics for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.

Premium: optimized for high transaction rates and single-digit consistent storage latency. Box 2: General purpose v2 with Standard performance..

General-purpose v2 accounts: Basic storage account type for blobs, files, queues, and tables. Recommended for most scenarios using Azure Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

### NEW QUESTION 76

- (Exam Topic 4)

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. Conditional Access policies
- B. role-based access control (RBAC)
- C. Azure Resource Manager (ARM) templates
- D. Azure Policy

**Answer:** D

### Explanation:

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage> <https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/manage/azure-server-management/common>

### NEW QUESTION 79

- (Exam Topic 4)

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
- Do not allow write operations



You need to recommend configuration options.  
What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

Topic	Value
Allowed authentication methods	<div><div></div><div>All methods GET only GET and POST only GET, POST, and OPTIONS only</div></div>
Authorization level	<div><div></div><div>Function Anonymous Admin</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**  
Graphical user interface, table Description automatically generated  
Allowed authentication methods: GET only Authorization level: Anonymous  
The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers.  
This option provides more flexibility in handling anonymous requests. References:  
<https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization>

NEW QUESTION 82

- (Exam Topic 3)  
You need to recommend an App Service architecture that meets the requirements for Appl. The solution must minimize costs.  
What should few recommend?

- A. one App Service Environment (ASE) per availability zone
- B. one App Service plan per availability zone
- C. one App Service plan per region
- D. one App Service Environment (ASE) per region

Answer: A

NEW QUESTION 85

- (Exam Topic 3)  
You need to recommend a solution that meets the file storage requirements for App2.  
What should you deploy to the Azure subscription and the on-premises network? To answer, drag the appropriate services to the correct locations. 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.

Services

Azure Blob Storage

Azure Data Box

Azure Data Box Gateway

Azure Data Lake Storage

Azure File Sync

Azure Files

Answer Area

Azure subscription:

Service

On-premises network:

Service

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, application Description automatically generated

Box 1: Azure Files

Scenario: App2 has the following file storage requirements:

- > Save files to an Azure Storage account.
- > Replicate files to an on-premises location.
- > Ensure that on-premises clients can read the files over the LAN by using the SMB protocol.

Box 2: Azure File Sync

Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share. You can use any protocol that's available on Windows Server to access your data locally, including SMB, NFS, and FTPS. You can have as many caches as you need across the world.

Reference:

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

**NEW QUESTION 87**

- (Exam Topic 3)

What should you implement to meet the identity requirements? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Service:

	▼
Azure AD Identity Governance	
Azure AD Identity Protection	
Azure AD Privilege Access Management (PIM)	
Azure Automation	

Feature:

	▼
Access packages	
Access reviews	
Approvals	
Runbooks	

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Requirements: Identity Requirements

Contoso identifies the following requirements for managing Fabrikam access to resources:

Every month, an account manager at Fabrikam must review which Fabrikam users have access permissions to App1. Accounts that no longer need permissions must be removed as guests.

The solution must minimize development effort.

Box 1: The Azure AD Privileged Identity Management (PIM) When should you use access reviews?

Too many users in privileged roles: It's a good idea to check how many users have administrative access, how many of them are Global Administrators, and if there are any invited guests or partners that have not been removed after being assigned to do an administrative task. You can recertify the role assignment users in Azure AD roles such as Global Administrators, or Azure resources roles such as User Access Administrator in the Azure AD Privileged Identity Management (PIM) experience.

Box 2: Access reviews

Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview>

**NEW QUESTION 88**

- (Exam Topic 2)

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 90

- (Exam Topic 2)

You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A. Configure a long-term retention policy for the database.  
B. Configure Azure Site Recovery.  
C. Configure geo replication of the database.  
D. Use automatic Azure SQL Database backups.

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/long-term-retention-overview>

In Azure SQL Database, you can configure a database with a long-term backup retention policy (LTR) to automatically retain the database backups in separate Azure Blob storage containers for up to 10 years

#### NEW QUESTION 91

- (Exam Topic 2)

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.

Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

#### NEW QUESTION 93

- (Exam Topic 1)

You plan to migrate App1 to Azure.

You need to recommend a network connectivity solution for the Azure Storage account that will host the App1 data. The solution must meet the security and compliance requirements.

What should you include in the recommendation?

- A. a private endpoint
- B. a service endpoint that has a service endpoint policy
- C. Azure public peering for an ExpressRoute circuit
- D. Microsoft peering for an ExpressRoute circuit



**Answer:** A

**Explanation:**

Private Endpoint securely connect to storage accounts from on-premises networks that connect to the VNet using VPN or ExpressRoutes with private-peering. Private Endpoint also secure your storage account by configuring the storage firewall to block all connections on the public endpoint for the storage service.  
<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-faqs#microsoft-peering>

**NEW QUESTION 95**

- (Exam Topic 1)

You plan to migrate App1 to Azure.

You need to estimate the compute costs for App1 in Azure. The solution must meet the security and compliance requirements.

What should you use to estimate the costs, and what should you implement to minimize the costs? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

To estimate the costs, use:

<input type="text"/> Azure Advisor The Azure Cost Management Power BI app The Azure Total Cost of Ownership (TCO) calculator
---

Implement:

<input type="text"/> Azure Reservations Azure Hybrid Benefit Azure Spot Virtual Machine pricing
--

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text Description automatically generated

Box 1: The Azure Total Cost of Ownership (TCO) Calculator

The Total Cost of Ownership (TCO) Calculator estimates the cost savings you can realize by migrating your workloads to Azure.

Note: The TCO Calculator recommends a set of equivalent services in Azure that will support your applications. Our analysis will show each cost area with an estimate of your on-premises spend versus your spend in Azure. There are several cost categories that either decrease or go away completely when you move workloads to the cloud.

Box 2: Azure Hybrid Benefit

Azure Hybrid Benefit is a licensing benefit that helps you to significantly reduce the costs of running your workloads in the cloud. It works by letting you use your on-premises Software Assurance-enabled Windows Server and SQL Server licenses on Azure. And now, this benefit applies to RedHat and SUSE Linux subscriptions, too.

Scenario:

Litware identifies the following security and compliance requirements:

- Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.
- On-premises users and services must be able to access the Azure Storage account that will host the data in App1.
- Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.
- All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.
- App1 must not share physical hardware with other workloads.

Reference:

<https://azure.microsoft.com/en-us/pricing/tco/> <https://azure.microsoft.com/en-us/pricing/hybrid-benefit/>

**NEW QUESTION 99**

- (Exam Topic 1)

You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements. Which type of endpoint should App1 use to obtain an access token?

- A. Azure Instance Metadata Service (IMDS)
- B. Azure AD
- C. Azure Service Management
- D. Microsoft identity platform

**Answer:** D

**Explanation:**

Scenario: To access the resources in Azure, App1 must use the managed identity of the virtual machines that will host the app.

Managed identities provide an identity for applications to use when connecting to resources that support Azure Active Directory (Azure AD) authentication.

Applications may use the managed identity to obtain Azure AD tokens.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

**NEW QUESTION 103**

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