

## Microsoft.AZ-305.v2025-07-03.q156

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<a href="https://www.freepdfdumps.com/Microsoft.AZ-305.v2025-07-03.q156.html">https://www.freepdfdumps.com/Microsoft.AZ-305.v2025-07-03.q156.html</a>	

### NEW QUESTION: 1

You need to recommend a solution that meets the application development requirements. What should you include in the recommendation?


- A. Continuous Integration/Continuous Deployment (CI/CD) sources
- B. deployment slots
- C. the Azure App Configuration service
- D. an Azure Container Registry instance

**Answer:** ([SHOW ANSWER](#))

### NEW QUESTION: 2

You need to configure an Azure policy to ensure that the Azure SQL databases have TDE enabled. The solution must meet the security and compliance requirements.

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	Answer Area
Create an Azure policy definition that uses the deployIfNotExists effect.	
Create a user-assigned managed identity.	
Invoke a remediation task.	
Create an Azure policy assignment.	
Create an Azure policy definition that uses the Modify effect.	

**Answer:**

Actions	Answer Area
Create an Azure policy definition that uses the deployIfNotExists effect.	Create an Azure policy definition that uses the deployIfNotExists effect.
Create a user-assigned managed identity.	Create an Azure policy assignment.
Invoke a remediation task.	Invoke a remediation task.
Create an Azure policy assignment.	
Create an Azure policy definition that uses the Modify effect.	

**Explanation:**

Create an Azure policy definition that uses the deployIfNotExists effect.
Create an Azure policy assignment.
Invoke a remediation task.

Scenario: All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.

Step 1: Create an Azure policy definition that uses the deployIfNotExists identity.

The first step is to define the roles that `deployIfNotExists` and `modify` needs in the policy definition to successfully deploy the content of your included template.

#### Step 2: Create an Azure policy assignment

When creating an assignment using the portal, Azure Policy both generates the managed identity and grants it the roles defined in `roleDefinitionIds`.

#### Step 3: Invoke a remediation task

Resources that are non-compliant to a `deployIfNotExists` or `modify` policy can be put into a compliant state through Remediation. Remediation is accomplished by instructing Azure Policy to run the `deployIfNotExists` effect or the `modify` operations of the assigned policy on your existing resources and subscriptions, whether that assignment is to a management group, a subscription, a resource group, or an individual resource.

During evaluation, the policy assignment with `deployIfNotExists` or `modify` effects determines if there are non-compliant resources or subscriptions. When non-compliant resources or subscriptions are found, the details are provided on the Remediation page.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

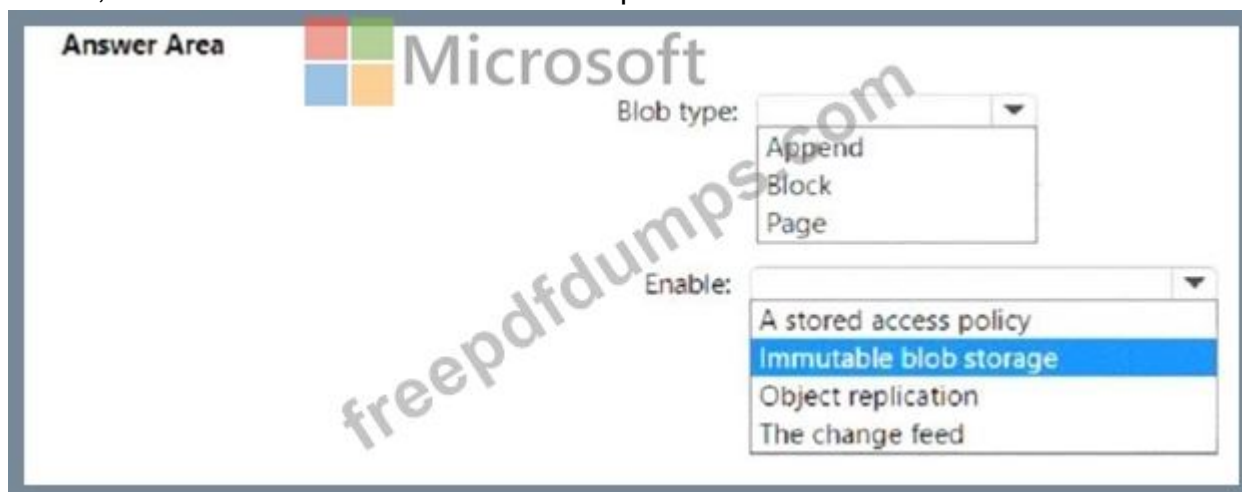
### NEW QUESTION: 3

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.



The screenshot shows the 'Answer Area' in the Azure portal. It features the Microsoft logo and a watermark for 'freepdfdumps.com'. There are two dropdown menus. The first is labeled 'Blob type:' and has a list with 'Append', 'Block', and 'Page'. The second is labeled 'Enable:' and has a list with 'A stored access policy', 'Immutable blob storage' (which is highlighted in blue), 'Object replication', and 'The change feed'.

**Answer:**

## Answer Area

The screenshot shows the configuration interface for Azure Blob Storage. The 'Blob type' dropdown menu is open, showing options: Append, Block, and Page. The 'Enable' dropdown menu is also open, showing options: A stored access policy, Immutable blob storage (highlighted in blue), Object replication, and The change feed.

Explanation:

The screenshot shows the 'Answer Area' with the configuration for 'Blob type' set to 'Append' and 'Enable' set to 'A stored access policy'.

### NEW QUESTION: 4

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

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

- A. Azure Resource Manager templates remain connected to the deployed resources.
- B. Only Azure Resource Manager templates can contain policy definitions.
- C. Azure Blueprints remain connected to the deployed resources.
- D. Only Azure Blueprints can contain policy definitions.

**Answer: C (LEAVE A REPLY)**

With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.

Reference:

<https://docs.microsoft.com/en-us/answers/questions/26851/how-is-azure-blue-prints-different-from-resource-m.html>

### NEW QUESTION: 5

You have to design a Data Engineering solution for your company. The company currently has an Azure subscription. They also have application data hosted in a database on a Microsoft SQL Server hosted in their on-premises data center server. They want to implement the following requirements Transfer transactional data from the on-premises SQL server onto a data warehouse in Azure. Data needs to be transferred every day in the night as a scheduled job A

managed Spark cluster needs to be in place for data engineers to perform analysis on the data stored in the SQL data warehouse. Here the data engineers should have the ability to develop notebooks in Scale, R and Python.

They also need to have a data lake store in place for the ingestion of data from multiple data sources Which of the following would the use for hosting the data warehouse in Azure?

- A. Azure Data Factory
- B. Azure Synapse Analytics
- C. Azure Data Lake Gen2 Storage accounts
- D. Azure Databricks

**Answer: (SHOW ANSWER)**

### NEW QUESTION: 6

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: (SHOW ANSWER)**

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: 7

You have an on-premises network to which you deploy a virtual appliance.

You plan to deploy several Azure virtual machines and connect the on-premises network to Azure by using a Site-to-Site connection.

All network traffic that will be directed from the Azure virtual machines to a specific subnet must flow through the virtual appliance.

You need to recommend solutions to manage network traffic.

Which two options should you recommend? Each correct answer presents a complete solution.

- A. Configure Azure Traffic Manager.
- B. Implement an Azure virtual network.
- C. Implement Azure ExpressRoute.
- D. Configure a routing table.

**Answer:** ([SHOW ANSWER](#))

Connectivity can be from an any-to-any (IP VPN) network, a point-to-point Ethernet network, or a virtual cross-connection through a connectivity provider at a co-location facility. ExpressRoute connections do not go over the public Internet. This allows ExpressRoute connections to offer more reliability, faster speeds, lower latencies, and higher security than typical connections over the Internet.

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-forced-tunneling-rm>

<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction>

### **NEW QUESTION: 8**

Your company currently has an application that is hosted on their on-premises environment. The application currently connects to two databases in the on-premises environment. The databases are named whizlabdb1 and whizlabdb2.

You have to move the databases onto Azure. The databases have to support server-side transactions across both of the databases.

Solution: You decide to deploy the databases to an Azure SQL database-managed instance.

Would this fulfill the requirement?

- A. Yes
- B. No

**Answer:** A ([LEAVE A REPLY](#))

### **NEW QUESTION: 9**

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 Database Migration Service
- D. Azure Data Box

**Answer:** ([SHOW ANSWER](#))

### NEW QUESTION: 10

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

Name	Type	Purpose
App1	Web app	Processes customer orders
Function1	Function	Check product availability at vendor 1
Function2	Function	Check product availability at vendor 2
storage1	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?

D18912E1457D5D1DDCBD40AB3BF70D5D

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

- A. an Azure Data Factory pipeline
- B. an Azure Service Bus queue
- C. an Azure Event Grid domain
- D. an Azure Event Hubs capture

**Answer: (SHOW ANSWER)**

A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.

The activities in a pipeline define actions to perform on your data.

Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.

Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities>

### NEW QUESTION: 11

You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.

You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:

- \* Ensure that the applications can authenticate only when running on the 10 virtual machines.
- \* 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.

To provision the Azure AD identity:

<input type="checkbox"/>	Create a system-assigned Managed Service Identity
<input type="checkbox"/>	Create a user-assigned Managed Service Identity
<input type="checkbox"/>	Register each application in Azure AD

To authenticate request a token by using:

<input type="checkbox"/>	An Azure AD v1.0 endpoint
<input type="checkbox"/>	An Azure AD v2.0 endpoint
<input type="checkbox"/>	An Azure Instance Metadata Service Identity
<input type="checkbox"/>	OAuth2 endpoint

**Answer:**

To provision the Azure AD identity:

<input checked="" type="checkbox"/>	Create a system-assigned Managed Service Identity
<input checked="" type="checkbox"/>	Create a user-assigned Managed Service Identity
<input type="checkbox"/>	Register each application in Azure AD

To authenticate request a token by using:

<input type="checkbox"/>	An Azure AD v1.0 endpoint
<input checked="" type="checkbox"/>	An Azure AD v2.0 endpoint
<input type="checkbox"/>	An Azure Instance Metadata Service Identity
<input type="checkbox"/>	OAuth2 endpoint

**Explanation:**

To provision the Azure AD identity:

<input checked="" type="checkbox"/>	Create a system-assigned Managed Service Identity
<input checked="" type="checkbox"/>	Create a user-assigned Managed Service Identity
<input type="checkbox"/>	Register each application in Azure AD

To authenticate request a token by using:

<input type="checkbox"/>	An Azure AD v1.0 endpoint
<input checked="" type="checkbox"/>	An Azure AD v2.0 endpoint
<input type="checkbox"/>	An Azure Instance Metadata Service Identity
<input type="checkbox"/>	OAuth2 endpoint

### NEW QUESTION: 12

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

**Answer: A (LEAVE A REPLY)**

With Cosmos DB's novel multi-region (multi-master) writes replication protocol, every region supports both writes and reads. The multi-region writes capability also enables:

Unlimited elastic write and read scalability.

99.999% read and write availability all around the world.

Guaranteed reads and writes served in less than 10 milliseconds at the 99th percentile.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/distribute-data-globally>

### NEW QUESTION: 13

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 (LEAVE A REPLY)**

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/1426615>

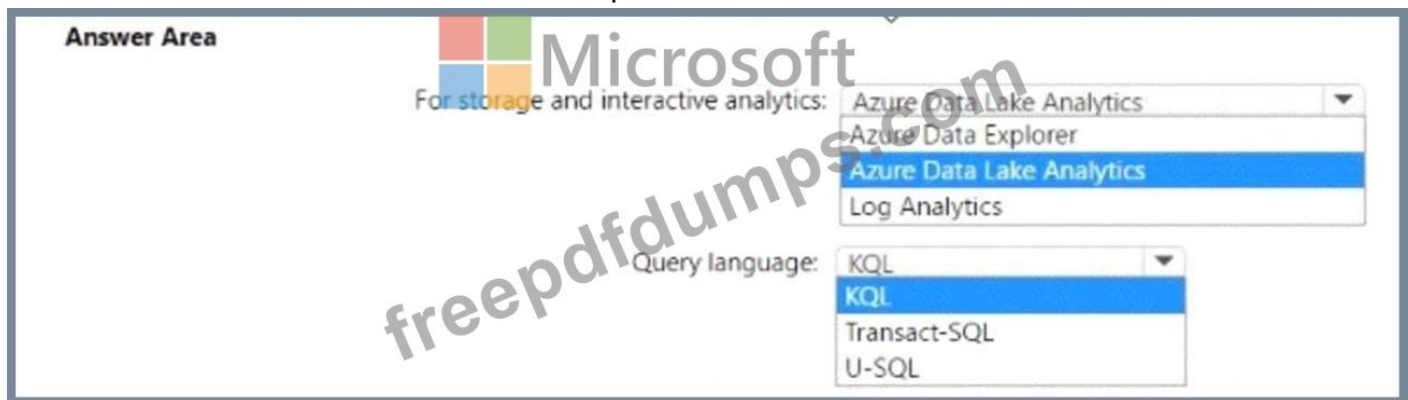
**NEW QUESTION: 14**

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:

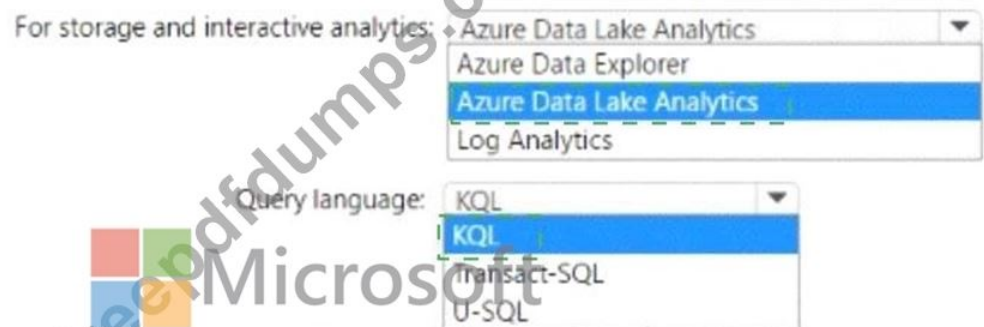
- \* Stores the processed data
  - \* Provides interactive analytics
  - \* Supports manual scaling, built-in autoscaling, and custom autoscaling
- What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE Each correct selection is worth one point.



**Answer:**

Answer Area



Explanation:



**NEW QUESTION: 15**

Your network contains an on-premises Active Directory forest.

You discover that when users change jobs within your company, the membership of the user groups are not being updated. As a result, the users can access resources that are no longer relevant to their job.

You plan to integrate Active Directory and Azure Active Directory (Azure AD) by using Azure AD Connect.

You need to recommend a solution to ensure that group owners are emailed monthly about the group memberships they manage.

What should you include in the recommendation?

- A. conditional access policies
- B. Tenant Restrictions
- C. Azure AD access reviews
- D. Azure AD Identity Protection

**Answer: C (LEAVE A REPLY)**

Reference:

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

**NEW QUESTION: 16**

You need to ensure that users managing the production environment are registered for Azure MFA and must authenticate by using Azure MFA when they sign in to the Azure portal. The solution must meet the authentication and authorization requirements.

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

NOTE: Each correct selection is worth one point.

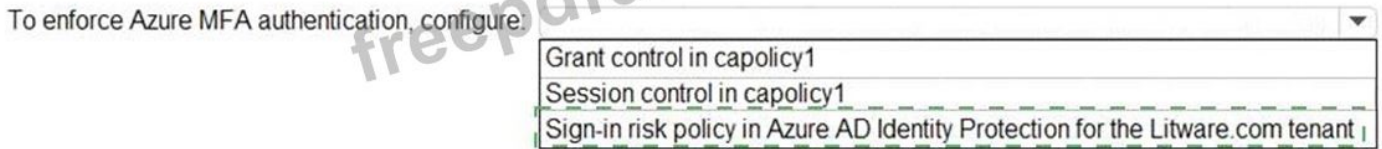
To register the users for Azure MFA, use:

- Azure AD Identity Protection
- Security defaults in Azure AD
- Per-user MFA in the MFA management UI

To enforce Azure MFA authentication, configure:

- Grant control in capolicy1
- Session control in capolicy1
- Sign-in risk policy in Azure AD Identity Protection for the Litware.com tenant

**Answer:**



Explanation:



Box 1: Azure AD Identity Protection

Azure AD Identity Protection helps you manage the roll-out of Azure AD Multi-Factor Authentication (MFA) registration by configuring a Conditional Access policy to require MFA registration no matter what modern authentication app you are signing in to.

Scenario: Users that manage the production environment by using the Azure portal must connect from a hybrid Azure AD-joined device and authenticate by using Azure Multi-Factor Authentication (MFA).

Box 2: Sign-in risk policy...

Scenario: The Litware.com tenant has a conditional access policy named capolicy1. Capolicy1 requires that when users manage the Azure subscription for a production environment by using the Azure portal, they must connect from a hybrid Azure AD-joined device.

Identity Protection policies we have two risk policies that we can enable in our directory.

\* Sign-in risk policy

\* User risk policy

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-mfa-policy>

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-risk-policies>

Topic 2, Fabrikam inc Case Study A

Overview:

Existing Environment

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.

#### Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.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.

#### 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.

#### Problem Statement:

The use of Web App1 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.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment All R&D operations will remain on-premises.

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

##### Technical Requirements:

Fabrikam identifies the following technical requirements:

- \* Web site content must be easily updated from a single point.
- \* User input must be minimized when provisioning new 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 platform as a service (PaaS).
- \* An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- \* Directory synchronization between Azure Active Directory (Azure AD) and corp.fabhkam.com must not be affected by a link failure between Azure and the on premises network.

##### 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 requirement 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 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.
- \*The testing of WebApp1 updates must not be visible to anyone outside the company.

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#### **NEW QUESTION: 17**

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

**Answer: B ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 18**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to deploy multiple instances of an Azure web app across several Azure regions. You need to design an access solution for the app. The solution must meet the following replication requirements:

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

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

Does this meet the goal?

- A. Yes
- B. No

**Answer:** ([SHOW ANSWER](#))

#### **NEW QUESTION: 19**

You have a multi-tier app named Appl and an Azure SQL database named SQL 1. The backend service Of Appl writes data to Users use the Appl client to read the data from SQL 1.

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

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

What should you include in the solution?

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

**Answer:** C ([LEAVE A REPLY](#))

#### **NEW QUESTION: 20**

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

**Answer:**

**Answer Area**

For the blobs: 

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

**Explanation:**

**Answer Area**

For the blobs:

For the file shares:

**NEW QUESTION: 21**

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

**Answer: A,B (LEAVE A REPLY)**

**NEW QUESTION: 22**

You have an on-premises web server farm that contains 10 servers. The servers run Windows Server 2016 and host a .NET Framework application named App1. The state data for App1 is maintained by using a database named DB1. The usage patterns of App1 vary significantly.

You plan to perform the following actions:

- \* Migrate App1 to Azure.

\* Migrate DB1 to an Azure SQL database.

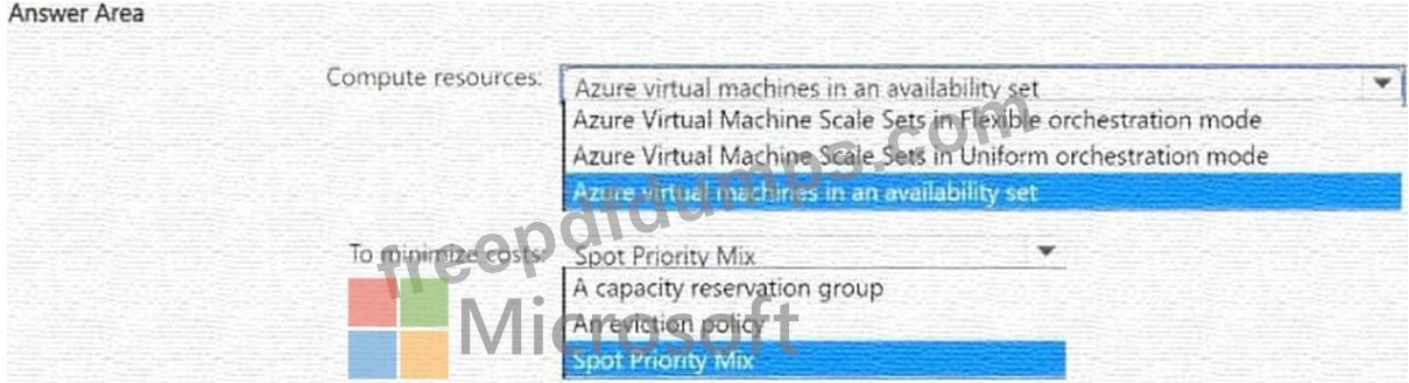
You need to recommend a virtual machine-based solution to host App1. The solution must meet the following requirements;

- \* Minimize how long it takes to scale out resources during surges in demand for App1.
- \* Ensure minimum capacity availability of the virtual machines at all times.
- \* Ensure that the solution can be recovered if an Azure region fails.
- \* Minimize compute costs.

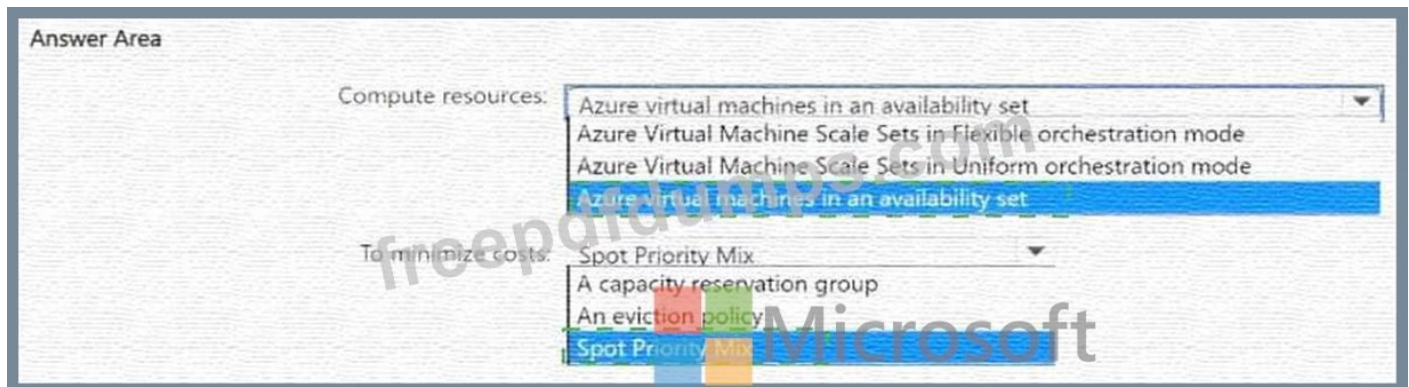
What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

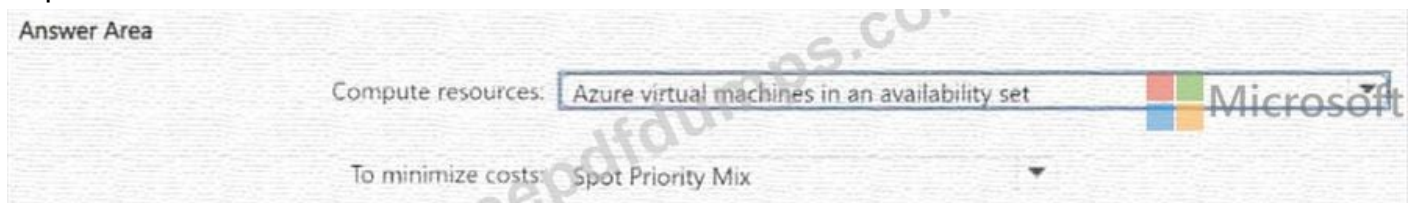
Answer Area



Answer:



Explanation:



### NEW QUESTION: 23

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

## Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

## Retention range

 Retention of daily backup point.

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

 Retention of weekly backup point.

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

 Retention of monthly backup point.

Week Based Day Based

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

Virtual machines that are backed up 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	

Answer:

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

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

90 days
26 weeks
36 months
45 months

1 hour
1 day
1 week
1 month
1 year

Explanation:

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

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

90 days
26 weeks
36 months
45 months

1 hour
1 day
1 week
1 month
1 year

**NEW QUESTION: 24**

You are designing an app that will include two components. The components will communicate by sending messages via a queue. You need to recommend a solution to process the messages by using a First in. First out (FIFO) pattern. What should you include in the recommendation?

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

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 25**

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

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

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

**Answer: (SHOW ANSWER)**

With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.

Reference:

<https://docs.microsoft.com/en-us/answers/questions/26851/how-is-azure-blue-prints-different-from-resource-m.html>

**NEW QUESTION: 26**

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys.

Several departments have the following requests to support the applications:

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

You need to recommend the appropriate Azure service for each department request.

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.

Department	Azure Service
Security	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <ul style="list-style-type: none"> <li>Azure AD Privileged Identity Management</li> <li>Azure AD Managed Service Identity</li> <li>Azure AD Connect</li> <li>Azure AD Identity Protection</li> </ul> </div>
Development	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <ul style="list-style-type: none"> <li>Azure AD Privileged Identity Management</li> <li>Azure AD Managed Service Identity</li> <li>Azure AD Connect</li> <li>Azure AD Identity Protection</li> </ul> </div>
Quality Assurance	<div style="border: 1px solid black; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <ul style="list-style-type: none"> <li>Azure AD Privileged Identity Management</li> <li>Azure AD Managed Service Identity</li> <li>Azure AD Connect</li> <li>Azure AD Identity Protection</li> </ul> </div>

**Answer:**

Department



Microsoft

Azure Service

Security

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

Development

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

Quality Assurance

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

Explanation:

Department

Azure Service



Microsoft

Security

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

Development

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

Quality Assurance

	▼
Azure AD Privileged Identity Management	
Azure AD Managed Service Identity	
Azure AD Connect	
Azure AD Identity Protection	

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

**NEW QUESTION: 27**

You plan to store data in Azure Blob storage for many years. The stored data will be accessed rarely.

You need to ensure that the data in Blob storage is always available for immediate access. The solution must minimize storage costs.

Which storage tier should you use?

- A. Cool
- B. Archive
- C. Hot

**Answer: A (LEAVE A REPLY)**

Azure cool tier is equivalent to the Amazon S3 Infrequent Access (S3-IA) storage in AWS that provides a low cost high performance storage for infrequently access data.

Note: Azure's cool storage tier, also known as Azure cool Blob storage, is for infrequently-accessed data that needs to be stored for a minimum of 30 days. Typical use cases include backing up data before tiering to archival systems, legal data, media files, system audit information, datasets used for big data analysis and more.

The storage cost for this Azure cold storage tier is lower than that of hot storage tier. Since it is expected that the data stored in this tier will be accessed less frequently, the data access charges are high when compared to hot tier. There are no additional changes required in your applications as these tiers can be accessed using APIs in the same manner that you access Azure storage.

References:

<https://cloud.netapp.com/blog/low-cost-storage-options-on-azure>

**NEW QUESTION: 28**

You plan to migrate App1 to Azure.

You need to recommend a storage solution for App1 that meets the security and compliance requirements.

Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Storage account type:

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

Configuration:

	▼
NFSv3	
Large file shares	
Hierarchical namespace	



Microsoft

**Answer:**

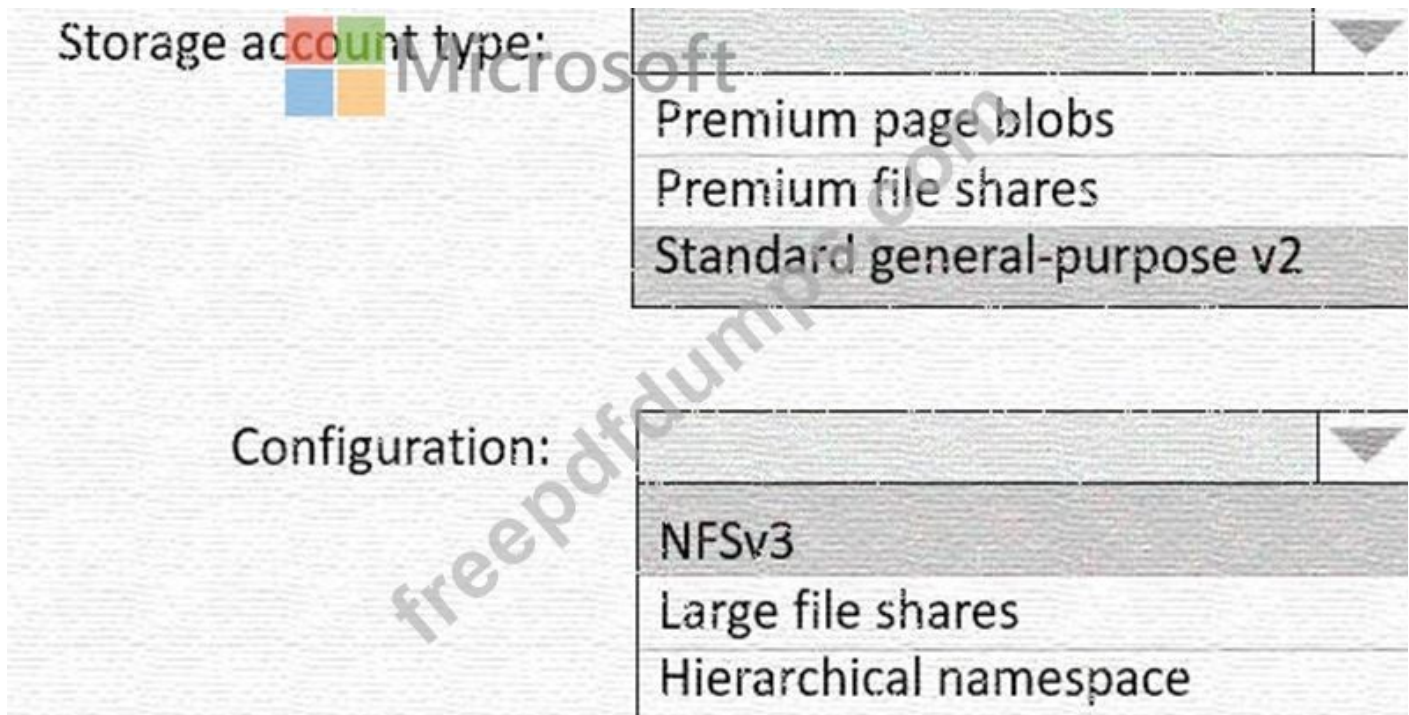
Storage account type:

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

Configuration:

	▼
NFSv3	
Large file shares	
Hierarchical namespace	

Explanation:



Box 1: Standard general-purpose v2

Standard general-purpose v2 supports Blob Storage.

Azure Storage provides data protection for Blob Storage and Azure Data Lake Storage Gen2.

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.

Box 2: NFSv3

Scenario: Plan: Migrate App1 to Azure virtual machines.

Blob storage now supports the Network File System (NFS) 3.0 protocol. This support provides Linux file system compatibility at object storage scale and prices and enables Linux clients to mount a container in Blob storage from an Azure Virtual Machine (VM) or a computer on-premises.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-protection-overview>

### **NEW QUESTION: 29**

You plan 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 Lighthouse
- B. Azure CycleCloud
- C. Azure Purview
- D. Azure Automation

**Answer: B (LEAVE A REPLY)**

You can dynamically provision Azure HPC clusters with Azure CycleCloud.

Azure CycleCloud is the simplest way to manage HPC workloads.

Note: Azure CycleCloud is an enterprise-friendly tool for orchestrating and managing High Performance Computing (HPC) environments on Azure. With CycleCloud, users can provision infrastructure for HPC systems, deploy familiar HPC schedulers, and automatically scale the infrastructure to run jobs efficiently at any scale. Through CycleCloud, users can create different types of file systems and mount them to the compute cluster nodes to support HPC workloads.

Reference:

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

### NEW QUESTION: 30

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 a Traffic Manager profile.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A (LEAVE A REPLY)**

Azure Traffic Manager is a DNS-based traffic load balancer that enables you to distribute traffic optimally to services across global Azure regions, while providing high availability and responsiveness.

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

### NEW QUESTION: 31

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

### Services

### Answer Area

an internal Azure Load Balancer

an Azure AD conditional access policy

Azure AD Application Proxy

an Azure AD managed identity

a public Azure Load Balancer

an Azure AD enterprise application

an App Service plan

### Answer:

Services

an internal Azure Load Balancer

an Azure AD conditional access policy

Azure AD Application Proxy

an Azure AD managed identity

a public Azure Load Balancer

an Azure AD enterprise application

an App Service plan

Answer Area

Azure AD Application Proxy

an Azure AD enterprise application

an Azure AD conditional access policy

Explanation:

AD Application Proxy

AD Enterprise Application

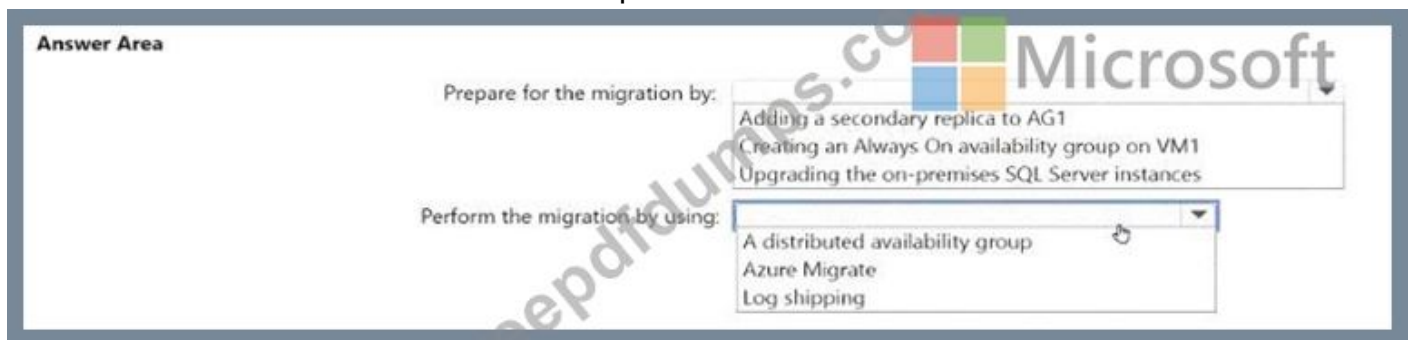
AD Conditional access policy

<https://thesleepyadmins.com/2019/02/>

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**NEW QUESTION: 32**

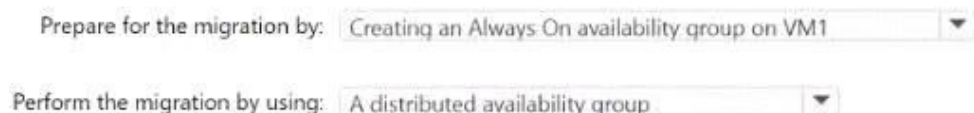
You have two on-premises Microsoft SQL Server 2017 instances that host an Always On availability group named AG1. AG1 contains a single database named DB1.  
 You have an Azure subscription that contains a virtual machine named VM1. VM1 runs Linux and contains a SQL Server 2019 instance.  
 You need 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.



**Answer:**  
 Answer Area



**Explanation:**  
 Answer Area



**NEW QUESTION: 33**

You have a resource group named RG1 that contains the objects shown in the following table.

Name	Type	Location
ASP-RG1	App Service plan	East US
KV1	Azure Key Vault	East US
KV2	Azure Key Vault	West Europe
App1	Azure Logic Apps	West US

You need to configure permissions so that App1 can copy all the secrets from KV1 to KV2. App1 currently has the Get permission for the secrets in KV1.

Which additional permissions should you assign to App1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Permission to assign so that App1 can copy the secrets from KV1:

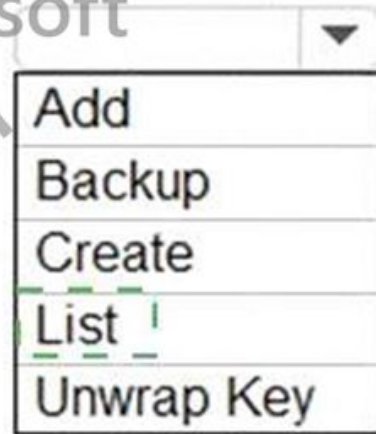
- Add
- Backup
- Create
- List
- Unwrap Key

Permission to assign so that App1 can copy the secrets to KV2:

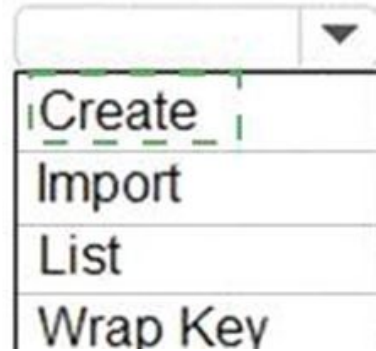
- Create
- Import
- List
- Wrap Key

**Answer:**

Permission to assign so that App1 can copy the secrets from KV1:

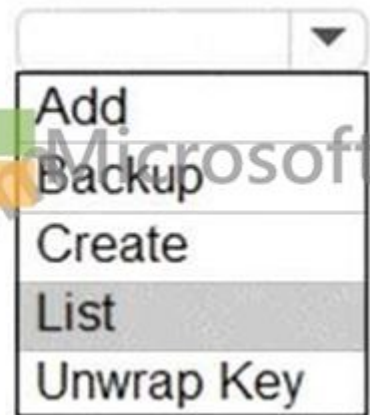


Permission to assign so that App1 can copy the secrets to KV2:

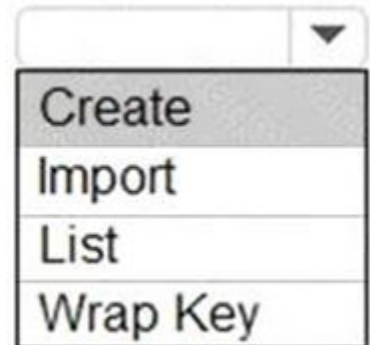


Explanation:

Permission to assign so that App1 can copy the secrets from KV1:



Permission to assign so that App1 can copy the secrets to KV2:



Box 1: List

Get: Gets the specified Azure key vault.

List: The List operation gets information about the vaults associated with the subscription.

Box 2: Create

Create Or Update: Create or update a key vault in the specified subscription.

Reference:

<https://docs.microsoft.com/en-us/rest/api/keyvault/>

### **NEW QUESTION: 34**

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 (LEAVE A REPLY)**

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: 35**

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.** access keys
- C.** conditional access policies
- D.** certificates

**Answer: A (LEAVE A REPLY)**

Reference:

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

### NEW QUESTION: 36

You have an Azure subscription that contains 100 virtual machines in the North Europe Azure region.

You replicate the virtual machines to the West Europe region by using Azure Site Recovery.

You plan to perform disaster recovery testing once a month. The testing will be performed during an eight-hour period, during which the virtual machines will be accessed, and their functionality validated. The virtual machines will be shut down when testing is not being performed.

You need to estimate the costs of the Site Recovery solution per month. Which costs should the estimate include?

- A.** the virtual machine compute costs for only eight hours, the virtual machine storage costs for only eight hours, and the Site Recovery license costs per protected virtual machine for only eight hours
- B.** the virtual machine compute costs for the entire month, the virtual machine storage costs for all the hours each month, and the Site Recovery license costs per protected virtual machine for the entire month
- C.** the virtual machine compute costs for only eight hours, the virtual machine storage costs for the entire month, and the Site Recovery license costs per protected virtual machine for the entire month
- D.** the virtual machine compute costs for only eight hours, the virtual machine storage costs for only eight hours, and the Site Recovery license costs per protected virtual machine for the entire month

**Answer: C** ([LEAVE A REPLY](#))

### NEW QUESTION: 37

You have a Microsoft Entra tenant named contoso.com that contains multiple enterprise apps.

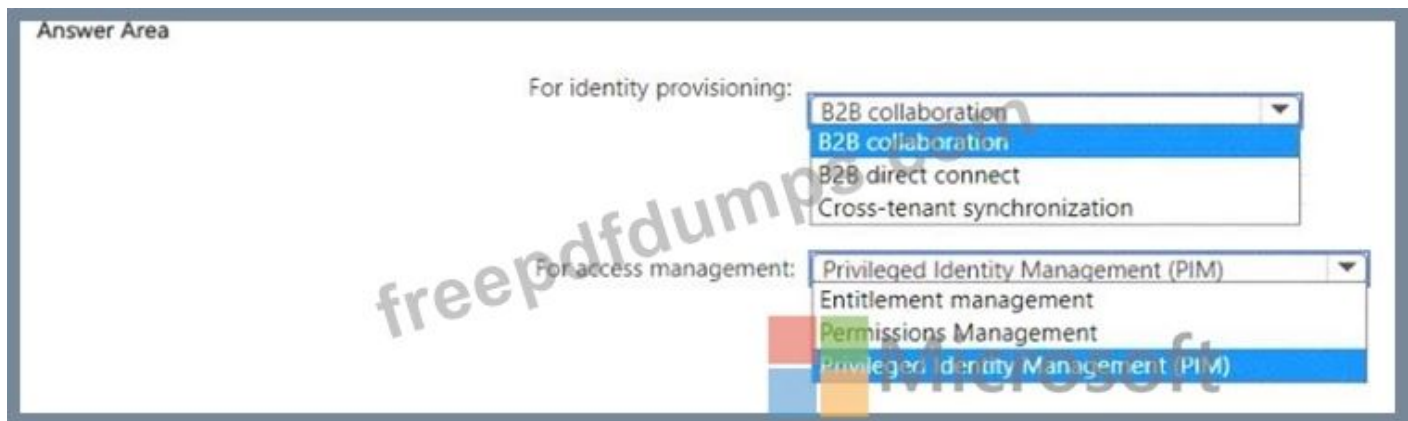
Your company has a business partner that has a Microsoft Entra tenant named fabrikam.com.

You need to recommend an identity governance solution that will provide users in fabrikam.com with access to the enterprise apps in contoso.com. The solution must meet the following requirements:

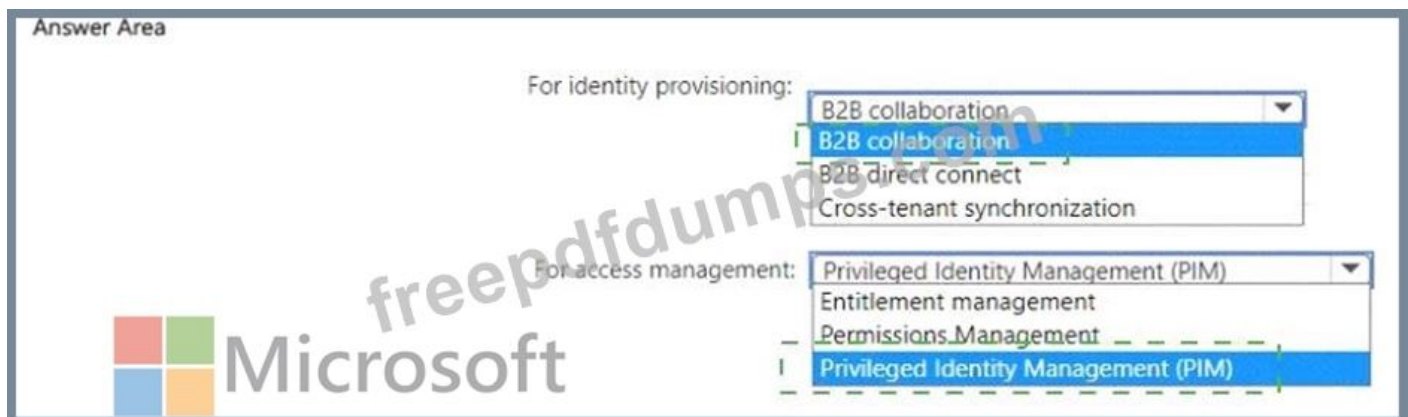
- \* Ensure that administrators in fabrikam.com can provide the fabrikam.com users with access to the contoso.com enterprise apps.
- \* Automatically provision identities for the fabrikam.com users to enable access to the contoso.com enterprise apps.
- \* Provide policy-based management of access assignments, approvals, and expirations.
- \* Minimize administrative effort.

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

NOTE: Each correct collection is worth one point.



**Answer:**



**Explanation:**



**NEW QUESTION: 38**

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.

Which storage solution should you recommend for archiving?

- A. Ingest the log files into an Azure Log Analytics workspace
- B. Use an Azure Blob storage account and a time-based retention policy
- C. Use an Azure Blob storage account configured to use the Archive access tier
- D. Use an Azure file share that has access control enabled

**Answer: B (LEAVE A REPLY)**

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval.

When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

### **NEW QUESTION: 39**

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 (LEAVE A REPLY)**

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: 40**

You configure OAuth2 authorization in API Management as shown in the following exhibit.



## Add OAuth2 service



API Management service

Display name \*

Unique name used to reference this authorization server on t...

Id \*

Description

Authorization server description

Client registration page URL\*

<https://contoso.com/register>

Authorization grant types

- Authorization code
- Implicit
- Resource owner password
- Client credentials

Authorization endpoint URL\*

<https://login.microsoftonline.com/contosoonmicrosoft.com...>

Support state parameter



### Authorization request method

GET

POST

Token endpoint URL \*

Token endpoint is used by clients to obtain access tokens in ...

**Create**

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.

The selected authorization grant type is for [answer choice].

- Background services
- Headless device authentication
- Web applications

To enable custom data in the grant flow, select [answer choice].

- Client credentials
- Resource owner password
- Support state parameter

**Answer:**

The selected authorization grant type is for [answer choice].

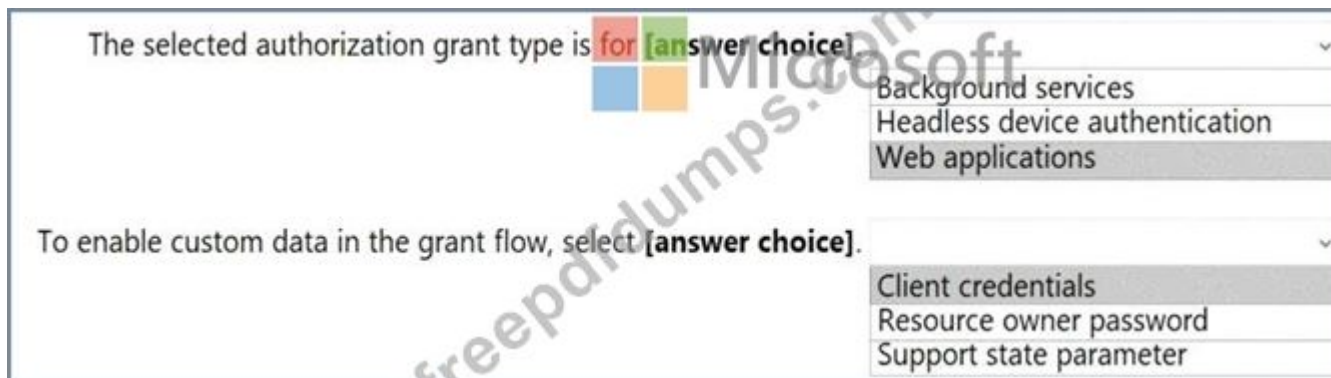
- Background services
- Headless device authentication
- Web applications

To enable custom data in the grant flow, select [answer choice].



- Client credentials
- Resource owner password
- Support state parameter

Explanation:



Box 1: Web applications

The Authorization Code Grant Type is used by both web apps and native apps to get an access token after a user authorizes an app.

Note: The Authorization Code grant type is used by confidential and public clients to exchange an authorization code for an access token.

After the user returns to the client via the redirect URL, the application will get the authorization code from the URL and use it to request an access token.

Reference:

<https://developer.okta.com/blog/2018/04/10/oauth-authorization-code-grant-type>

<https://connect2id.com/products/server/docs/guides/client-registration>

#### **NEW QUESTION: 41**

You have an Azure Functions microservice app named App1 that is hosted in the Consumption plan. App1 uses an Azure Queue Storage trigger.

You plan to migrate App1 to an Azure Kubernetes Service (AKS) cluster.

You need to prepare the AKS cluster to support App1. The solution must meet the following requirements:

- \* Use the same scaling mechanism as the current deployment.
- \* Support kubernetes and Azure Container Networking Interface (CNI) networking.

Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct answer is worth one point.

- A.** Install Kubernetes-based Event Driven Autoscaling (KEDA).
- B.** Configure the AKS cluster autoscaler.
- C.** Install Virtual Kubelet.
- D.** Configure the horizontal pod autoscaler.
- E.** Configure the virtual node add-on.

**Answer:** ([SHOW ANSWER](#))

#### **NEW QUESTION: 42**

You are designing a cost-optimized solution that uses Azure Batch to run two types of jobs on Linux nodes.

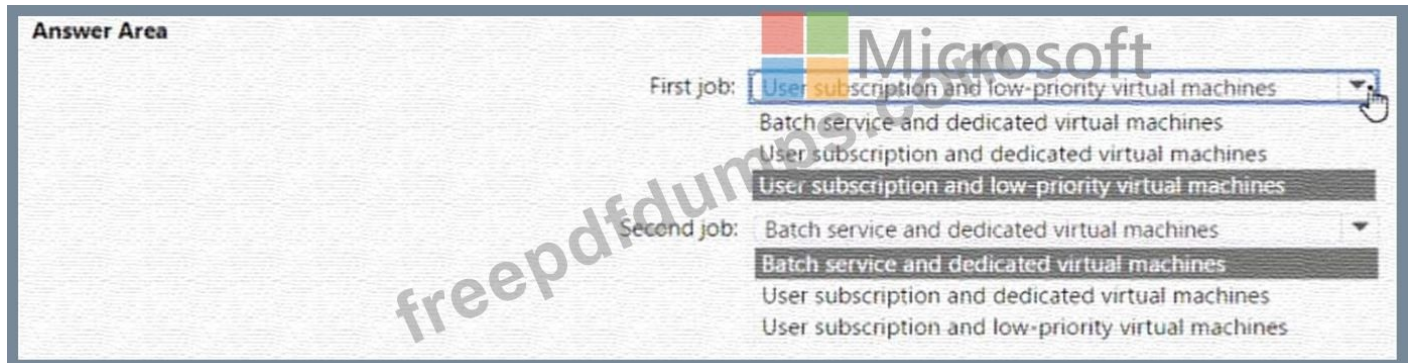
The first job type will consist of short-running tasks for a development environment. The second job type will consist of long-running Message Passing Interface (MPI) applications for a

production environment that requires timely job completion.

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

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation:



### NEW QUESTION: 43

You have an Azure subscription that contains a Basic Azure virtual WAN named Virtual/WAN1 and the virtual hubs shown in the following table.

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East 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. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

Answer: ([SHOW ANSWER](#))

US East and US West are in the same geopolitical region so there is no need for enabling ExpressRoute premium add-on <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about#basicstandard> The current config of virtual WAN is only Basic as given, so it can connect to only site to site VPN, to connect to express route it needs to be upgraded from basic to standard. <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

#### **NEW QUESTION: 44**

You have an Azure subscription that contains a custom application named Application1 developed by an external company named Fabric, Ltd. Developers at Fabricam 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 Fabricam 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 (LEAVE A REPLY)**

<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: 45**

You are designing a virtual machine that will run Microsoft SQL Server and will 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 caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy 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.

The screenshot shows a drag-and-drop interface with two main sections: 'Policies' and 'Answer Area'. The 'Policies' section contains three buttons: 'None', 'ReadOnly', and 'ReadWrite'. The 'Answer Area' contains two labels: 'Log:' and 'Data:'. Next to each label is a large empty box for a policy. In the center, there are two circular arrows (left and right) and a vertical split bar. A watermark 'freepdfdumps.com' and the Microsoft logo are visible.

**Answer:**

This screenshot shows the same interface as above, but with the correct policies assigned. The 'Log:' box contains 'None' and the 'Data:' box contains 'ReadOnly'. The 'Policies' section is enclosed in a dashed green border, indicating it is no longer active. The 'Answer Area' labels and boxes are now populated with the selected policies. A watermark 'freepdfdumps.com' and the Microsoft logo are visible.

**Explanation:**

This is a close-up view of the 'Answer Area' from the previous screenshot. It clearly shows the 'Log:' label next to a box containing the text 'None', and the 'Data:' label next to a box containing the text 'ReadOnly'. A watermark 'freepdfdumps.com' and the Microsoft logo are visible.

**References:**

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

**NEW QUESTION: 46**

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

Microsoft

Storage: Secret

- Certificate
- Key
- Secret

Access: A managed service identity (MSI)

- An API token
- A managed service identity (MSI)
- A service principal

**Answer:**

Answer Area

Microsoft

Storage: Secret

- Certificate
- Key
- Secret

Access: A managed service identity (MSI)

- An API token
- A managed service identity (MSI)
- A service principal

**Explanation:**

Answer Area

Storage: Secret

Access: A managed service identity (MSI)

Microsoft

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### NEW QUESTION: 47

Your on-premises datacenter contains a server named Server1 that runs Microsoft SQL Server 2022. Server1 contains a 30-TB database named DB1 that stores customer data. Server1 runs a custom application named App1 that verifies the compliance of records in DB1. App1 must run on the same server as DB1.

You have an Azure subscription.

You need to migrate DB1 to Azure. The solution must minimize administrative effort.

To which service should you migrate DB1, and what should you use to perform the migration? To answer, select the appropriate options in the answer area.

**Answer Area**

Migrate to:

By using:

**Answer:**  
ANSWER AREA

Migrate to:

By using:

Explanation:

**Answer Area**

Migrate to:

By using:

### NEW QUESTION: 48

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 the Regulatory compliance dashboard in Microsoft Defender for Cloud.

Does this meet the goal?

A. Yes

B. No

Answer: B ([LEAVE A REPLY](#))

### NEW QUESTION: 49

You have an on-premises network that uses on IP address space of 172.16.0.0/16 You plan to deploy 25 virtual machines to a new azure subscription.

You identify the following technical requirements.

- \* All Azure virtual machines must be placed on the same subnet 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.

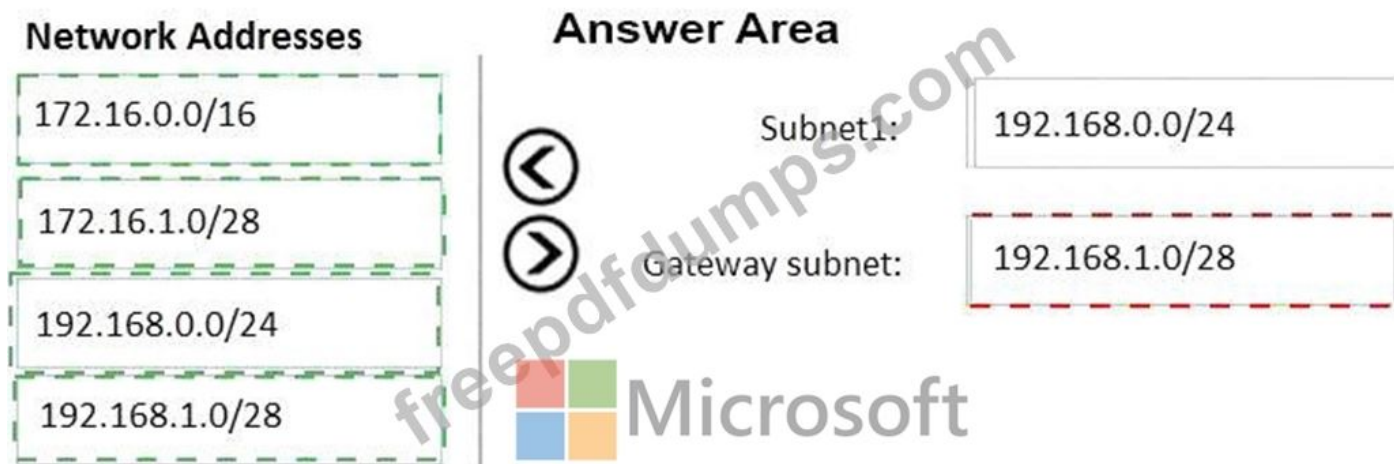
You need to recommend a subnet design that meets the technical requirements.

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

The screenshot shows a drag-and-drop interface for configuring subnets. The 'Network Addresses' pane on the left contains four address ranges: 172.16.0.0/16, 172.16.1.0/28, 192.168.0.0/24, and 192.168.1.0/28. The 'Answer Area' on the right has two target boxes: 'Subnet1: Network address' and 'Gateway subnet: Network address'. Navigation arrows are positioned between the panes.

Answer:



Explanation:

Subnet1:

192.168.0.0/24

Gateway subnet:

192.168.1.0/28

### NEW QUESTION: 50

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?

- Azure SQL Database Business Critical
- Azure SQL Database Managed Instance Business Critical
- Azure SQL Database Serverless
- Azure SQL Database Premium

**Answer: D (LEAVE A REPLY)**

General Purpose / Standard prevents data loss through high available storage

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

[/azure/azure-sql/database/service-tier-general-purpose?view=azuresql](https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tier-general-purpose?view=azuresql). This architectural model relies on high availability and reliability of Azure Blob storage that transparently replicates database files and guarantees no data loss if underlying infrastructure failure happens. General Purpose / Standard support Zone Redundancy For General Purpose tier the zone-redundant configuration is Generally Available in the following regions:

[https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla?](https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla?view=azuresql&tabs=azure-powershell)

[view=azuresql&tabs=azure-powershell](https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla?view=azuresql&tabs=azure-powershell) Without any information regarding the usage pattern, serverless is possible. Other option is D

<https://docs.microsoft.com/en-us/azure/azure-sql/database/serverless-tier-overview?view=azuresql>

**NEW QUESTION: 51**

You need to implement the Azure RBAC role assignments for the Network Contributor role. The solution must meet the authentication and authorization requirements.

What is the minimum number of assignments that you must use?

- A. 1
- B. 2
- C. 5
- D. 10
- E. 15

**Answer: A (LEAVE A REPLY)**

Scenario: The Network Contributor built-in RBAC role must be used to grant permissions to the network administrators for all the virtual networks in all the Azure subscriptions.

RBAC roles must be applied at the highest level possible.

**NEW QUESTION: 52**

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.

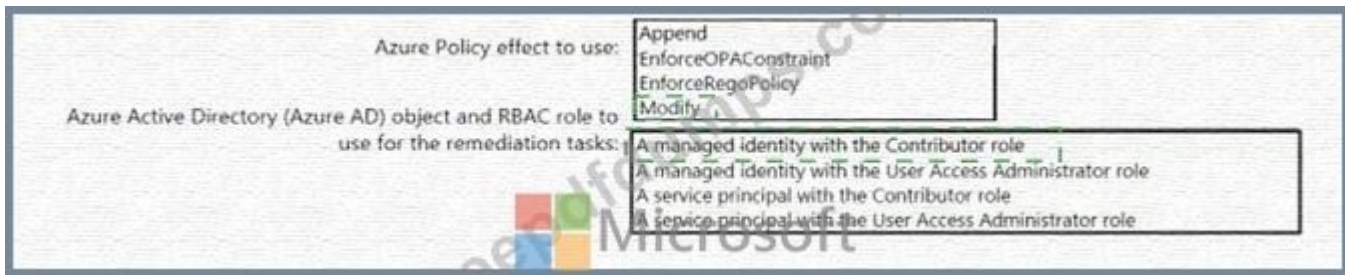
What should you include in the design? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

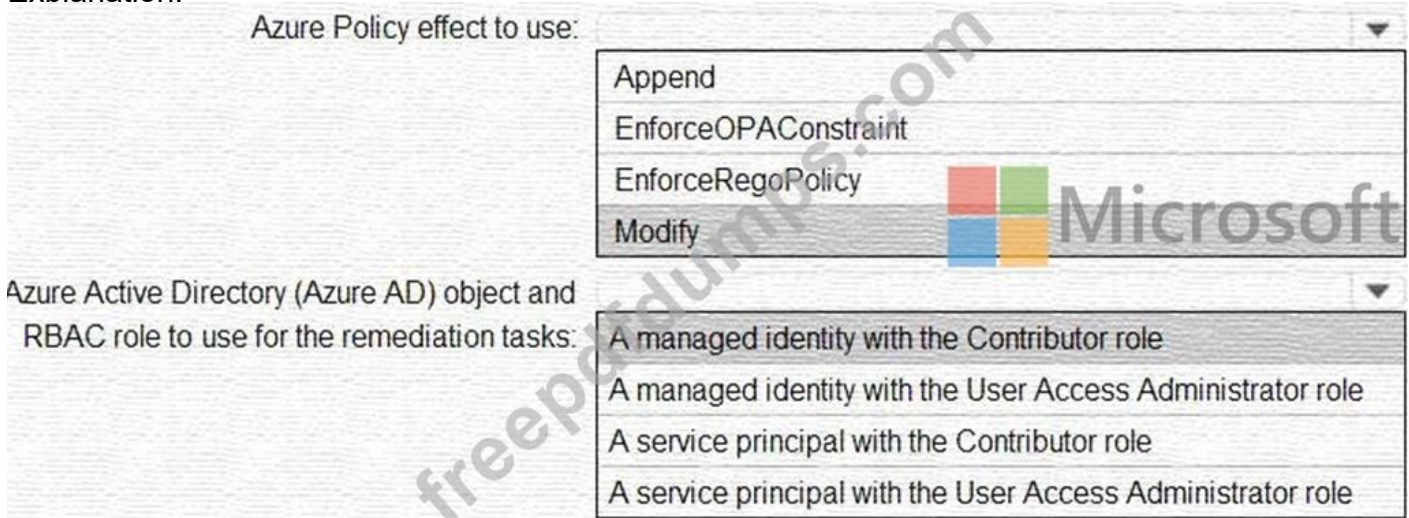
Azure Policy effect to use: Append  
EnforceOPAConstraint  
EnforceRegoPolicy  
Modify

Azure Active Directory (Azure AD) object and 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

**Answer:**



Explanation:



Box 1: Modify

Modify is used to add, update, or remove properties or tags on a resource during creation or update. A common example is updating tags on resources such as costCenter. Existing non-compliant resources can be remediated with a remediation task. A single Modify rule can have any number of operations.

Box 2: A managed identity with the Contributor role

\* Managed identity

How remediation security works: When Azure Policy runs the template in the deployIfNotExists policy definition, it does so using a managed identity. Azure Policy creates a managed identity for each assignment, but must have details about what roles to grant the managed identity.

\* Contributor role

The Contributor role grants the required access to apply tags to any entity.

Reference:

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

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

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

<https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects#modify>

### NEW QUESTION: 53

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"/>

**Answer:**

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"/>

**Explanation:**

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input checked="" 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: 54**

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

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 55**

You need to implement the Azure RBAC role assignment. The solution must meet the authentication and authorization requirements.

How many assignment should you configure for the Network Contributor role for Role1? To answer, select appropriate in the answer area.

NOTE:



Answer:



Explanation:



### NEW QUESTION: 56

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

**Answer:**

**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

**Explanation:**

**Answer Area**

To implement the data warehouse: Azure Data Lake Analytics

To implement the serving layer: Azure Analysis Services



**NEW QUESTION: 57**

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 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.

NOTE: Each correct selection is worth one point.


**Answer Area**

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

- Azure AD
- Azure AD
- Azure API Management
- The web APIs

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

- Azure API Management
- Azure AD
- Azure API Management
- The web APIs



**Answer:**  
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

Explanation:

**Answer Area**

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

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

**NEW QUESTION: 58**

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.

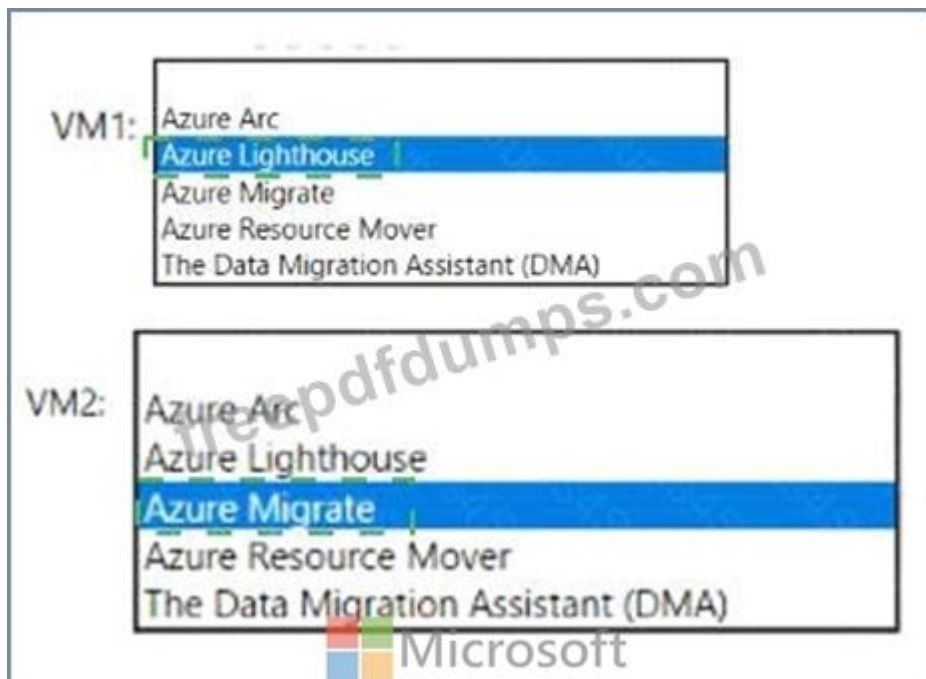
VM1:

- 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)

**Answer:**



Explanation:



### NEW QUESTION: 59

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:** ([SHOW ANSWER](#))

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: 60

You have an on-premises Microsoft SQL Server 2016 database named DB1.

You have an Azure subscription.

You need to migrate DB1 to an Azure SQL database by using the Azure SQL Migration extension for Azure Data Studio.

What should you do first?

- A. Create a user-assigned managed identity.
- B. Define the schema for the Azure SQL database.
- C. Configure a Site-to-Site (S2S) VPN connection.
- D. Upgrade DB1.

**Answer: C (LEAVE A REPLY)**

### NEW QUESTION: 61

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

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East 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. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

**Answer: A (LEAVE A REPLY)**

US East and US West are in the same geopolitical region so there is no need for enabling ExpressRoute premium add-on <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about#basicstandard> The current config of virtual WAN is only Basic as given, so it can connect

to only site to site VPN, to connect to express route it needs to be upgraded from basic to standard. <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>  
<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

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### NEW QUESTION: 62

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

What should you include in the recommendation?

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

**Answer: D (LEAVE A REPLY)**

<https://docs.microsoft.com/bs-cyrl-ba/azure/sql-database/sql-database-managed-instance-migrate> Quote from that page "Azure SQL Database and SQL Server databases in an Azure Virtual Machine. DMS is the recommended method of migration for your enterprise workloads. If you use SQL Server Integration Services (SSIS) on your SQL Server on premises, DMS does not yet support migrating SSIS catalog (SSISDB) that stores SSIS packages, but you can provision Azure-SSIS Integration Runtime (IR) in Azure Data Factory (ADF) that will create a new SSISDB in a managed instance and then you can redeploy your packages to it, see Create Azure-SSIS IR in ADF.

To learn more about this scenario and configuration steps for DMS, see Migrate your on-premises database to managed instance using DMS."

<https://docs.microsoft.com/en-us/azure/data-factory/how-to-migrate-ssis-job-ssms>

### NEW QUESTION: 63

You are evaluating whether to use Azure Traffic Manager and Azure Application Gateway to meet the connection requirements for App1.

What is the minimum numbers of instances required for each service? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Azure Traffic Manager:

Azure Application Gateway:



**Answer:**

**Answer Area**

Azure Traffic Manager:

Azure Application Gateway:



**Explanation:**

**Answer Area**



Azure Traffic Manager:

Azure Application Gateway:

**NEW QUESTION: 64**

Your company has 50 business units across the globe. The business units operate from 08:00 AM to 06:00 PM from Monday to Friday in their local time zone. Transactions are only processed during business hours.

You have an Azure subscription.

You plan to deploy an app named App1 that will manage the transactions for the business units.

App1 will use a separate Azure SQL database for each business unit.

You need to recommend an Azure SQL Database configuration for App1. The solution must meet the following requirements:

- \* Support Azure Hybrid Benefit licensing.
- \* Minimize costs.

What should you recommend?

- A. a DTU purchasing model and multiple single database instances
- B. a vCore purchasing model and multiple single database instances
- C. a vCore purchasing model and multiple database instances in an elastic pool
- D. a DTU purchasing model and multiple database instances in an elastic pool

Answer: C ([LEAVE A REPLY](#))

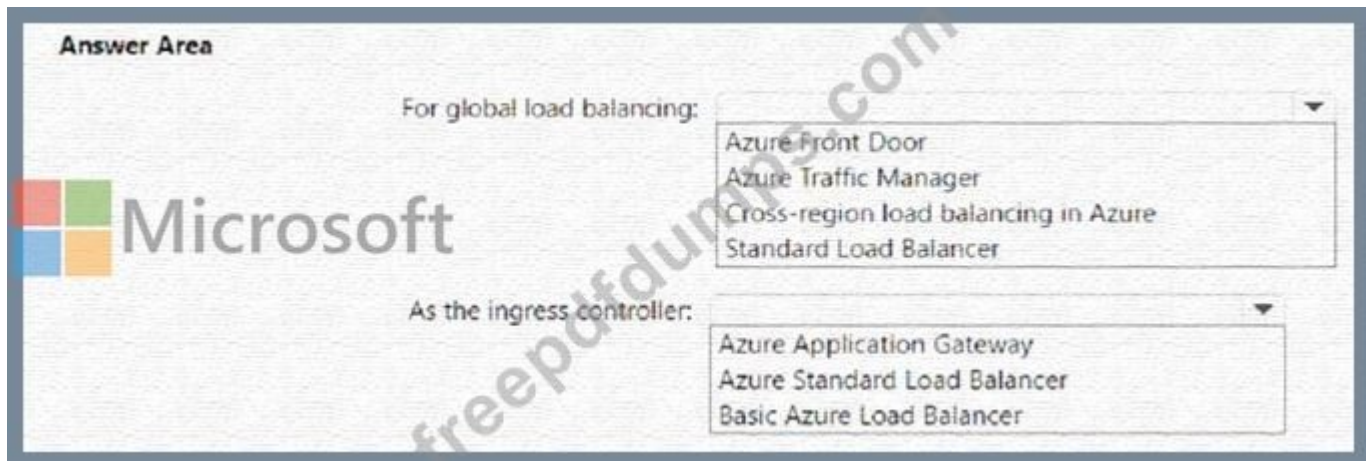
**NEW QUESTION: 65**

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.

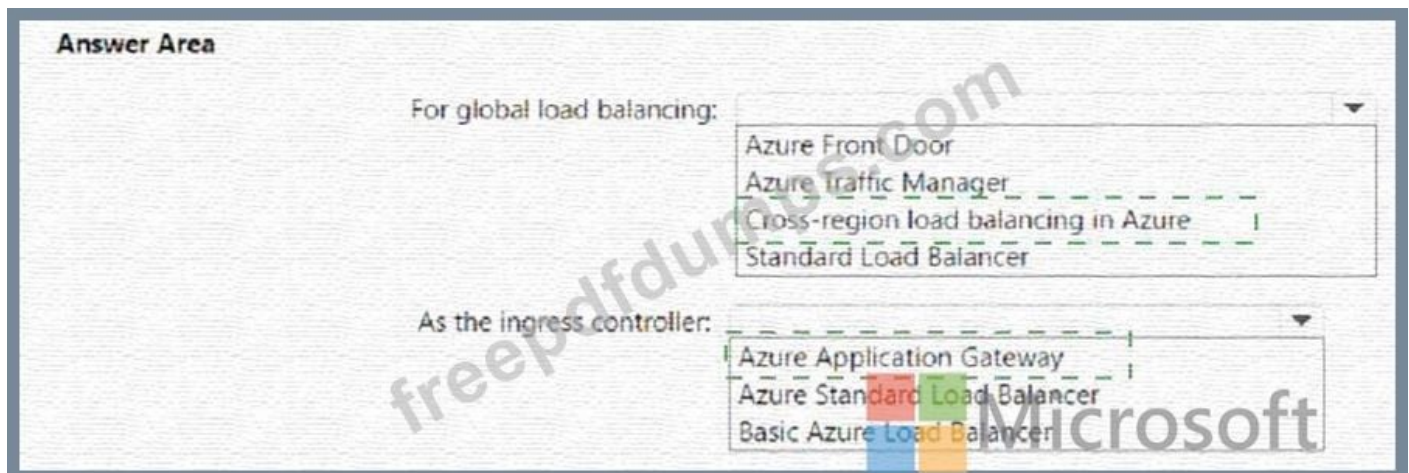
You need to provide access to the app from the internet. The solution must meet the following requirements:

- \* 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.



Answer:



Explanation:

Answer Area

Microsoft

For global load balancing: Cross-region load balancing in Azure

As the ingress controller: Azure Application Gateway

**NEW QUESTION: 66**

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 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 an Office 365 tenant. Fabrikam has the same on-premises identity infrastructure 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 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. Configure a forest trust between the on-premises Active Directory forests of Contoso and Fabrikam.
- B. Configure an organization relationship between the Office 365 tenants of Fabrikam and Contoso.
- C. In the Azure AD tenant of Contoso, use MIM to create guest accounts for the Fabrikam developers.
- D. Configure an AD FS relying party trust between the fabrikam and Contoso AD FS infrastructures.

**Answer: C (LEAVE A REPLY)**

Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest

\* A one-way trust is required from production environment to the admin forest.

\* Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts.

References:

<https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securing-privileged-access-reference-material>

**NEW QUESTION: 67**

You design a solution for the web tier of WebApp1 as shown in the exhibit.



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

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input checked="" type="radio"/>	<input type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input checked="" type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes

Any new deployments to Azure must be redundant in case an Azure region fails.

Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a traffic- routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Box 2: Yes

Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e.

Azure App Service to be precise as scaling happens on App Service plan level and has effect on all Web Apps running in that App Service plan).

Box 3: No

Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Reference:

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

<https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/>

### NEW QUESTION: 68

You are designing a high-availability solution for a multi-tier containerized app that will be hosted in a multi- node Azure Kubernetes Service (AKS) cluster. The cluster nodes will be distributed across three availability zones. Each tier will contain three pods.

You need to ensure that active pods of the app are distributed across all the availability zones.

Which AKS feature should you use?

- A. Kubernetes controller type
- B. startup probes
- C. scheduling anti-affinity
- D. leader election

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 69

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

You need to use Azure Log Analytics design an alerting strategy for security-related events. Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types.

Each value 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.

**Tables**

- AzureActivity
- AzureDiagnostics
- Event
- Syslog

**Answer Area**

- Events from Windows event logs:
- Events from Linux system logging:
- Table
- Table

**Answer:**

**Tables**

- AzureActivity
- AzureDiagnostics
- Event
- Syslog

**Answer Area**

- Events from Windows event logs: Event
- Events from Linux system logging: Syslog

**Explanation:**

Events from Windows event logs: Event

Events from Linux system logging: Syslog

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/log-analytics-agent> Windows Event logs --> Information sent to the Windows event logging system. Syslog --> Information sent to the Linux event logging system.

**NEW QUESTION: 70**

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

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 71

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

Name	Type	Description
VNet1	Virtual network	None
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. Azure Application Gateway
- B. Azure Traffic Manager
- C. Azure Front Door
- D. Gateway Load Balancer

Answer: C ([LEAVE A REPLY](#))

### NEW QUESTION: 72

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:

- Azure Advisor
- The Azure Cost Management Power BI app
- The Azure Total Cost of Ownership (TCO) calculator

Implement:

- Azure Reservations
- Azure Hybrid Benefit
- Azure Spot Virtual Machine pricing

**Answer:**

To estimate the costs, use:

- Azure Advisor
- The Azure Cost Management Power BI app
- The Azure Total Cost of Ownership (TCO) calculator

Implement:

- Azure Reservations
- Azure Hybrid Benefit
- Azure Spot Virtual Machine pricing

Explanation:

To estimate the costs, use:

- Azure Advisor
- The Azure Cost Management Power BI app
- The Azure Total Cost of Ownership (TCO) calculator

Implement:

- Azure Reservations
- Azure Hybrid Benefit
- Azure Spot Virtual Machine pricing

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: 73

You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements.

Which of the endpoint should App1 use to obtain an access token?

- A. Microsoft identify platform
- B. Azure AD
- C. Azure Service management
- D. Azure instance Service (IMDS)

**Answer: A ([LEAVE A REPLY](#))**

### NEW QUESTION: 74

You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 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.

Network Addresses

172.16.0.0/16

172.16.1.0/27

192.168.0.0/24

192.168.1.0/27

Answer Area

Subnet 1: Network address

Gateway subnet: Network address

Microsoft

Answer:

Network Addresses

172.16.0.0/16

172.16.1.0/27

192.168.0.0/24

192.168.1.0/27

Answer Area

Subnet 1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/27

Microsoft

Explanation:

Answer Area

Subnet 1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/27

Microsoft

### NEW QUESTION: 75

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




Answer:

Service:

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

Feature:

- Access packages
- Access reviews
- Approvals
- Runbooks



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: 76**

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.

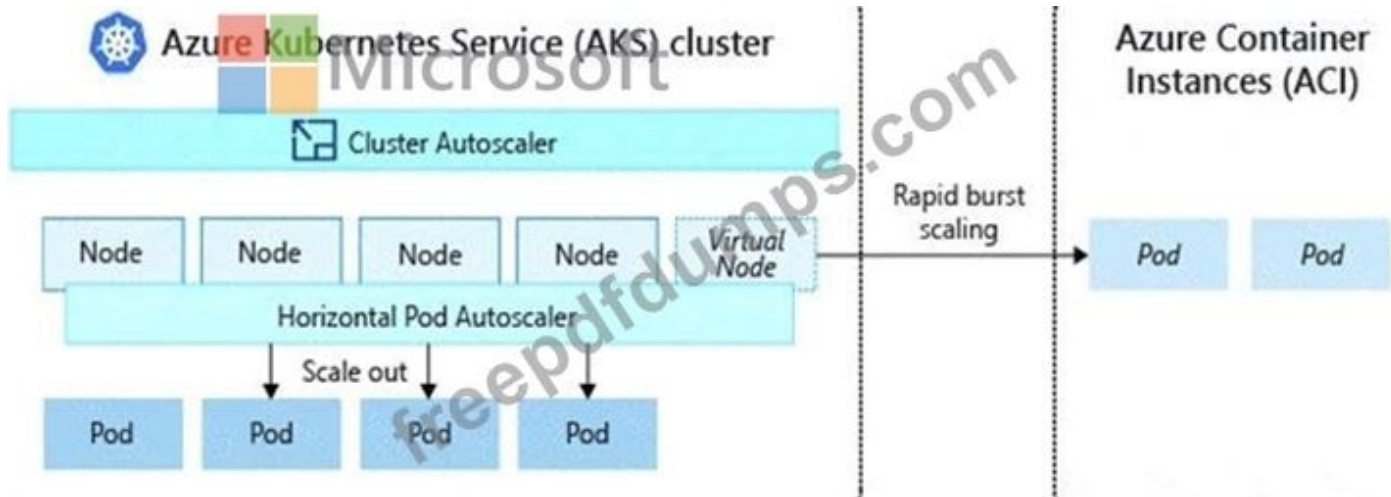
Which scaling option should you recommend?

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

**Answer: D (LEAVE A REPLY)**

Azure Container Instances (ACI) lets you quickly deploy container instances without additional infrastructure overhead. When you connect with AKS, ACI becomes a secured, logical extension of your AKS cluster. The virtual nodes component, which is based on Virtual Kubelet, is installed in your AKS cluster that presents ACI as a virtual Kubernetes node. Kubernetes can then schedule pods that run as ACI instances through virtual nodes, not as pods on VM nodes directly in your AKS cluster.

Your application requires no modification to use virtual nodes. Deployments can scale across AKS and ACI and with no delay as cluster autoscaler deploys new nodes in your AKS cluster.



Note: AKS clusters can scale in one of two ways:

- \* The cluster autoscaler watches for pods that can't be scheduled on nodes because of resource constraints. The cluster then automatically increases the number of nodes.
- \* The horizontal pod autoscaler uses the Metrics Server in a Kubernetes cluster to monitor the resource demand of pods. If an application needs more resources, the number of pods is automatically increased to meet the demand.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/concepts-scale5>

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### NEW QUESTION: 77

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

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

- \* Store the data of multiple users.
- \* Encrypt each user's data by using a separate key.
- \* Encrypt all the data in the storage account by using Microsoft keys or customer-managed keys.

What should you deploy?

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

**Answer: B (LEAVE A REPLY)**

### NEW QUESTION: 78

Your company plans to publish APIs for its services by using Azure API Management. You discover that service responses include the ASP.NET-Version header. You need to recommend a solution to remove ASP.NET-Version from the response of the published APIs.

What should you include in the recommendation?

- A. a new product
- B. a modification to the URL scheme
- C. a new policy
- D. a new revision

**Answer:** (SHOW ANSWER)

References:

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

### NEW QUESTION: 79

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

**Answer:**

**Answer Area**

Sub1: The Microsoft Azure Recovery Services (MARS) agent  
 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 Recovery Services vault  
 A Resource Guard  
 An Azure Site Recovery job  
 Microsoft Azure Backup Server (MABS)  
 The Microsoft Azure Recovery Services (MARS) agent

Explanation:

**Answer Area**

Sub1: The Microsoft Azure Recovery Services (MARS) agent

Sub2: A Recovery Services vault

**NEW QUESTION: 80**

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: (SHOW ANSWER)**

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/1426615

Reference:

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

### **NEW QUESTION: 81**

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 Standard
- B. Azure SQL Database Serverless
- C. Azure SQL Database Premium
- D. Azure SQL Managed Instance General Purpose

**Answer: D** ([LEAVE A REPLY](#))

### **NEW QUESTION: 82**

The accounting department at your company migrates to a new financial accounting software. The accounting department must keep file-based database backups for seven years for compliance purposes. It is unlikely that the backups will be used to recover data.

You need to move the backups to Azure. The solution must minimize costs.

Where should you store the backups?

- A. Azure Blob storage that uses the Archive tier
- B. Azure SQL Database
- C. Azure Blob storage that uses the Cool tier
- D. a Recovery Services vault

**Answer: A** ([LEAVE A REPLY](#))

Azure Front Door enables you to define, manage, and monitor the global routing for your web traffic by optimizing for best performance and instant global failover for high availability. With Front Door, you can transform your global (multi-region) consumer and enterprise applications into robust, high-performance personalized modern applications, APIs, and content that reaches a global audience with Azure.

Front Door works at Layer 7 or HTTP/HTTPS layer and uses anycast protocol with split TCP and Microsoft's global network for improving global connectivity.

Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-overview>

### **NEW QUESTION: 83**

You have to deploy an Azure SQL database named db1 for your company. The databases must

meet the following security requirements When IT help desk supervisors query a database table named customers, they must be able to see the full number of each credit card When IT help desk operators query a database table named customers, they must only see the last four digits of each credit card number A column named Credit Card rating in the customers table must never appear in plain text in the database system. Only client applications must be able to decrypt the information that is stored in this column Which of the following can be implemented for the Credit Card rating column security requirement?

- A. Always Encrypted
- B. Azure Advanced Threat Protection
- C. Transparent Data Encryption
- D. Dynamic Data Masking

**Answer: A (LEAVE A REPLY)**

<https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/always-encrypted-database-engine?view=sql-server-ver15>

### **NEW QUESTION: 84**

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 contosoql1

The product data of Contoso is copied from contosoql1 to contosolake1.

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

- \* A virtual machine named FabrikamVMI that runs Microsoft SQL Server 2019
- \* An Azure Storage account named fabrikamsal

Contoso plans to upload the research data on FabrikamVMI 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 FabrikamVMI 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



**Answer:**

Answer Area



Explanation:



### NEW QUESTION: 85

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 (LEAVE A REPLY)**

<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

Topic 3, Contoso

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.

Existing Environment: Technical Environment

The on-premises network contains a single Active Directory domain named contoso.com.

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

Contoso has a business partnership with Fabrikam, Inc. Fabrikam users access some Contoso applications over the internet by using Azure Active Directory (Azure AD) guest accounts.

Requirements: Planned Changes

Contoso plans to deploy two applications named App1 and App2 to Azure.

Requirements: App1

App1 will be a Python web app hosted in Azure App Service that requires a Linux runtime. Users from Contoso and Fabrikam will access App1.

App1 will access several services that require third-party credentials and access strings. The credentials and access strings are stored in Azure Key Vault.

App1 will have six instances: three in the East US Azure region and three in the West Europe Azure region.

App1 has the following data requirements:

- \* Each instance will write data to a data store in the same availability zone as the instance.
- \* Data written by any App1 instance must be visible to all App1 instances.

App1 will only be accessible from the internet. App1 has the following connection requirements:

- \* Connections to App1 must pass through a web application firewall (WAF).
- \* Connections to App1 must be active-active load balanced between instances.
- \* All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

Every hour, you will run a maintenance task by invoking a PowerShell script that copies files from all the App1 instances. The PowerShell script will run from a central location.

Requirements: App2

App2 will be a NET app hosted in App Service that requires a Windows runtime. 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.

You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.

Application Development Requirements

Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:

- \* A staging instance of a new application version must be deployed to the application host before the new version is used in production.
- \* After testing the new version, the staging version of the application will replace the production version.
- \* The switch to the new application version from staging to production must occur without any downtime of the application.

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.

Security Requirement

All secrets used by Azure services must be stored in Azure Key Vault.

Services that require credentials must have the credentials tied to the service instance. The credentials must NOT be shared between services.

### **NEW QUESTION: 86**

You need to recommend a solution that meets the application development requirements.

What should you include in the recommendation?

- A.** an Azure Container Registry instance
- B.** deployment slots
- C.** Continuous Integration/Continuous Deployment (CI/CD) sources
- D.** the Azure App Configuration service

**Answer: B (LEAVE A REPLY)**

Topic 4, HABInsurance

Case Study

An insurance company, HABInsurance, operates in three states and provides home, auto, and boat insurance.

Besides the head office, HABInsurance has three regional offices.

Current environment

General

An insurance company, HABInsurance, operates in three states and provides home, auto, and

boat insurance.

Besides the head office, HABInsurance has three regional offices.

### NEW QUESTION: 87

You have an on-premises datacenter named Site1. Site1 contains a VMware vSphere cluster named Cluster1 that hosts 100 virtual machines. Cluster1 is managed by using VMware vCenter.

You have an Azure subscription named Sub1.

You plan to migrate the virtual machines from Cluster1 to Sub1.

You need to identify which resources are required to run the virtual machines in Azure. The solution must minimize administrative effort.

What should you configure? To answer, drag the appropriate resources to the correct targets.

Each resource 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.

Resources

- An Azure Migrate appliance
- An Azure Migrate project
- An Azure VMware Solution private cloud
- An Azure VMware Solution host

Answer Area

Sub1:

Cluster1:

Microsoft

### Answer:

Resources

- An Azure Migrate appliance
- An Azure Migrate project
- An Azure VMware Solution private cloud
- An Azure VMware Solution host

Answer Area

Sub1:

Cluster1:

Microsoft

### Explanation:

Resources

- An Azure Migrate appliance
- An Azure Migrate project
- An Azure VMware Solution private cloud
- An Azure VMware Solution host

Answer Area

Sub1:

Cluster1:

Microsoft

### NEW QUESTION: 88

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

Contoso uses License Mobility through Software Assurance.

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

- \* Support automatic scaling.
- \* Minimize Microsoft SQL Server licensing costs.

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

area.

NOTE: Each correct selection is worth one point.

Purchase model:   
DTU   
vCore   
Azure reserved virtual machine instances

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

Answer:

Purchase model:   
DTU   
vCore   
Azure reserved virtual machine instances

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

Explanation:

Purchase model:   
DTU   
vCore   
Azure reserved virtual machine instances

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

Box 1: vCore

Virtual core (vCore)-based purchasing model (recommended). This purchasing model provides a choice between a provisioned compute tier and a serverless compute tier. With the provisioned compute tier, you choose the exact amount of compute resources that are always provisioned for your workload. With the serverless compute tier, you specify the autoscaling of the compute resources over a configurable compute range

Box 2: An Azure SQL Database Elastic pool

Azure SQL Database provides the following deployment options for a database:

\* Single database represents a fully managed, isolated database.

\* Elastic pool is a collection of single databases with a shared set of resources, such as CPU or memory.

Single databases can be moved into and out of an elastic pool.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/purchasing-models>

### NEW QUESTION: 89

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"><li>Review the membership of administrative roles and require users to provide a justification for continued membership.</li><li>Get alerts about changes in administrator assignments.</li><li>See a history of administrator activation, including which changes administrators made to Azure resources.</li></ul>
Development	<ul style="list-style-type: none"><li>Enable the applications to access Key Vault and retrieve keys for use in code.</li></ul>

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.

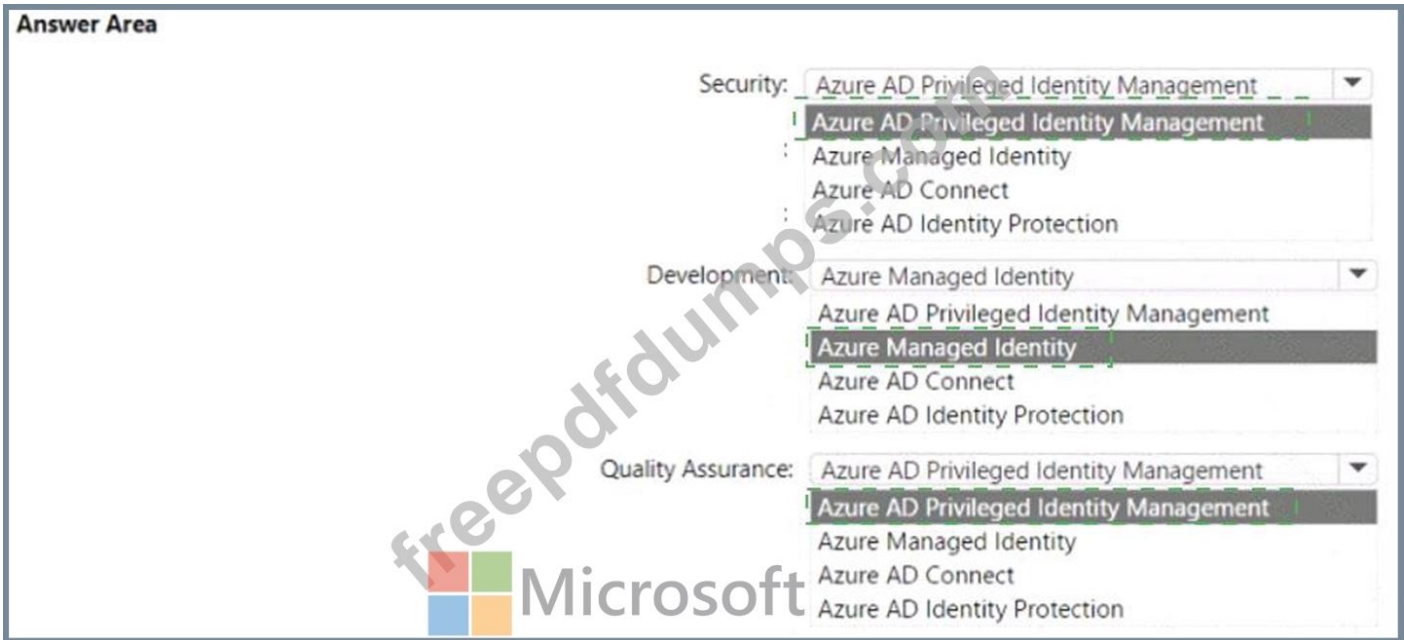
**Answer Area**

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

**Answer:**



Explanation:



### NEW QUESTION: 90

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

**Answer: A (LEAVE A REPLY)**

You can schedule a powershell script with Azure Logic Apps.

When you want to run code that performs a specific job in your logic apps, you can create your

own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions.

Azure Functions provides serverless computing in the cloud and is useful for performing tasks such as these examples:

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions>

**NEW QUESTION: 91**

You plan to deploy multiple containerized microservice-based apps to Azure Kubernetes Service (AKS).

You need to recommend a solution that implements the following functions:

- \* State management
- \* Pub/sub messaging
- \* Traffic routing and splitting

The solution must minimize administrative effort.

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

NOTE: Each correct selection is worth one point.

Answer Area

State management:

Pub/sub messaging:

Traffic routing and splitting:

Answer:

Answer Area

State management: 

- Dapr
- Flux
- Istio

Pub/sub messaging: 

- Dapr
- Flux
- Istio

Traffic routing and splitting: 

- Istio
- Dapr
- Flux
- Istio



Explanation:

Answer Area

State management:

Pub/sub messaging:

Traffic routing and splitting:



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### NEW QUESTION: 92

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 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: ([SHOW ANSWER](#))

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>

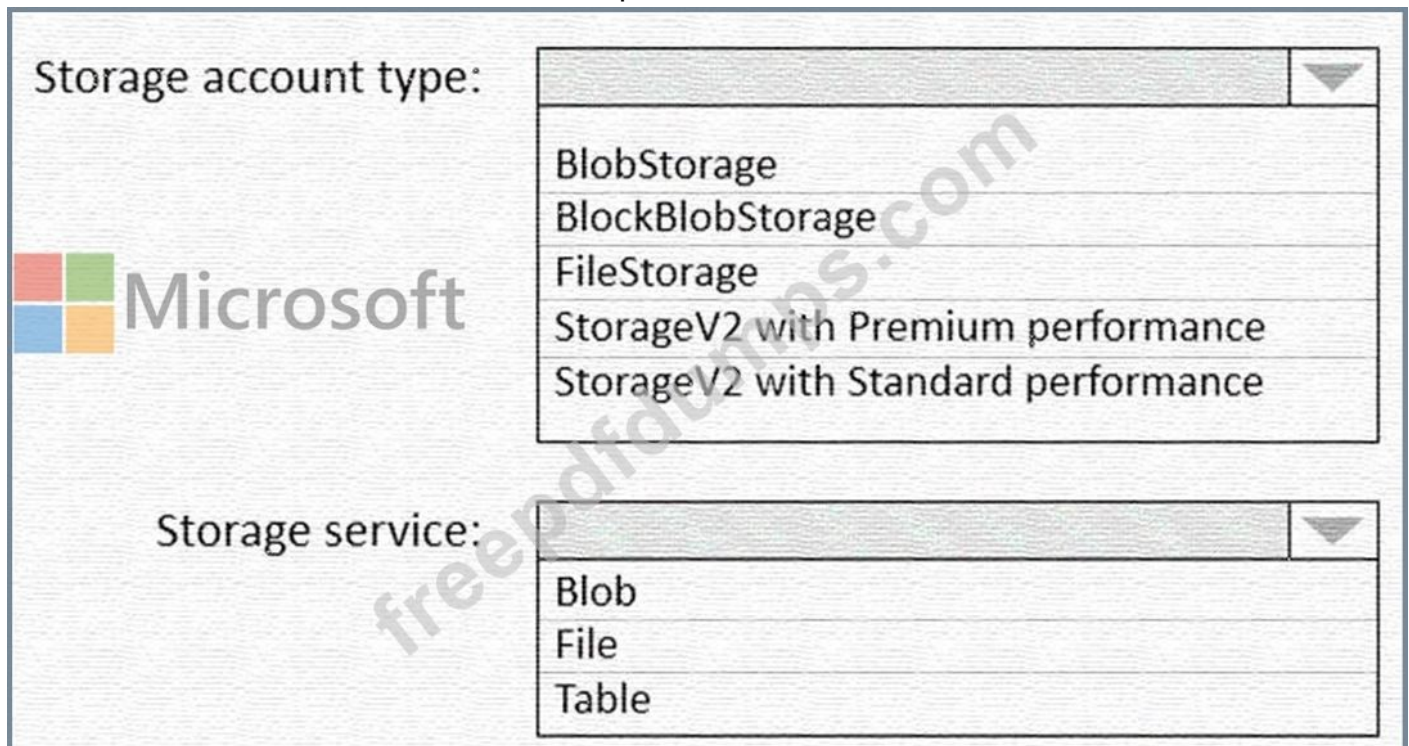
### NEW QUESTION: 93

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.

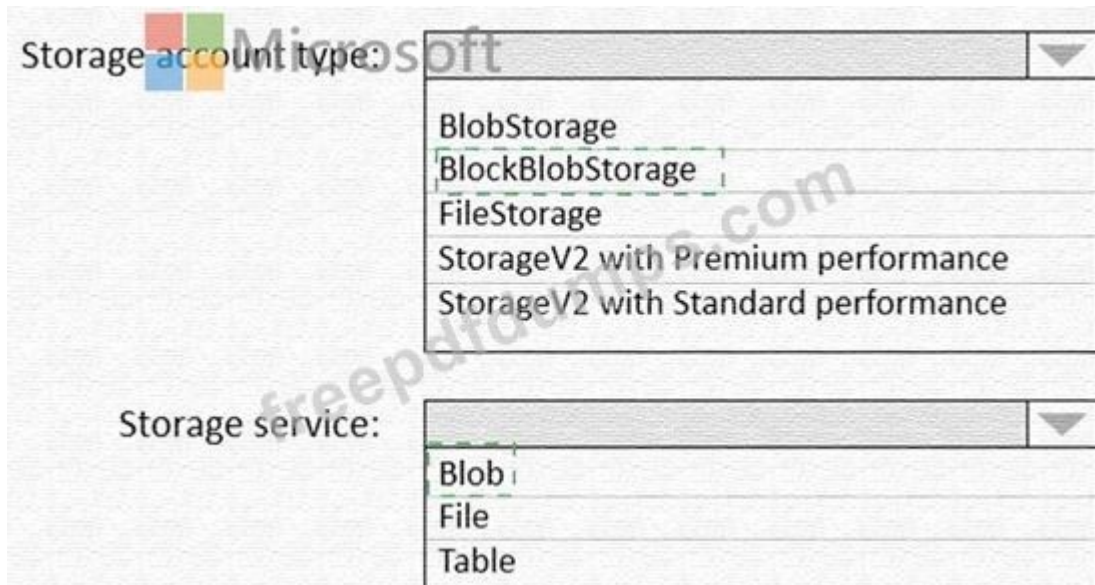
NOTE: Each correct selection is worth one point.



The screenshot shows a form with two dropdown menus. The first dropdown is labeled 'Storage account type:' and contains the following options: BlobStorage, BlockBlobStorage, FileStorage, StorageV2 with Premium performance, and StorageV2 with Standard performance. The second dropdown is labeled 'Storage service:' and contains the following options: Blob, File, and Table. A Microsoft logo is visible on the left side of the form. A watermark 'freedownload.com' is overlaid diagonally across the form.

Storage account type:	<input type="text"/>
	BlobStorage
	BlockBlobStorage
	FileStorage
	StorageV2 with Premium performance
	StorageV2 with Standard performance
Storage service:	<input type="text"/>
	Blob
	File
	Table

Answer:



Explanation:

Box 1: BlockBlobStorage

Block Blob is a premium storage account type 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.

Box 2: Blob

The Archive tier is an offline tier for storing blob data that is rarely accessed. The Archive tier offers the lowest storage costs, but higher data retrieval costs and latency compared to the online tiers (Hot and Cool).

Data must remain in the Archive tier for at least 180 days or be subject to an early deletion charge.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/archive-blob>

### NEW QUESTION: 94

You plan 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 Lighthouse
- B. Azure CycleCloud
- C. Azure Purview
- D. Azure Automation

**Answer: (SHOW ANSWER)**

You can dynamically provision Azure HPC clusters with Azure CycleCloud.

Azure CycleCloud is the simplest way to manage HPC workloads.

Note: Azure CycleCloud is an enterprise-friendly tool for orchestrating and managing High Performance Computing (HPC) environments on Azure. With CycleCloud, users can provision infrastructure for HPC systems, deploy familiar HPC schedulers, and automatically scale the

infrastructure to run jobs efficiently at any scale. Through CycleCloud, users can create different types of file systems and mount them to the compute cluster nodes to support HPC workloads.

Reference:

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

### NEW QUESTION: 95

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)

Networking: Azure Route Server, A private endpoint, A service endpoint

These are the selections for Data redundancy

**Answer:**

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

Explanation:



**NEW QUESTION: 96**

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

\*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 in objective (RTO) is 10 minutes,

\* The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.

\*The sales application must be able to fail over to second on-premises data center.

You need to recommend which Azure 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 application. Each service may be used once. More than once not at an You may need to drag the spin bar between panes or scroll 10 view content.

**Answer:**

Explanation:

- 1) Sales: Azure Site Recovery only

2) Finance: Azure Site Recovery and Azure Backup

3) Reporting: Azure Backup only

**NEW QUESTION: 97**

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 Central Europe 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.

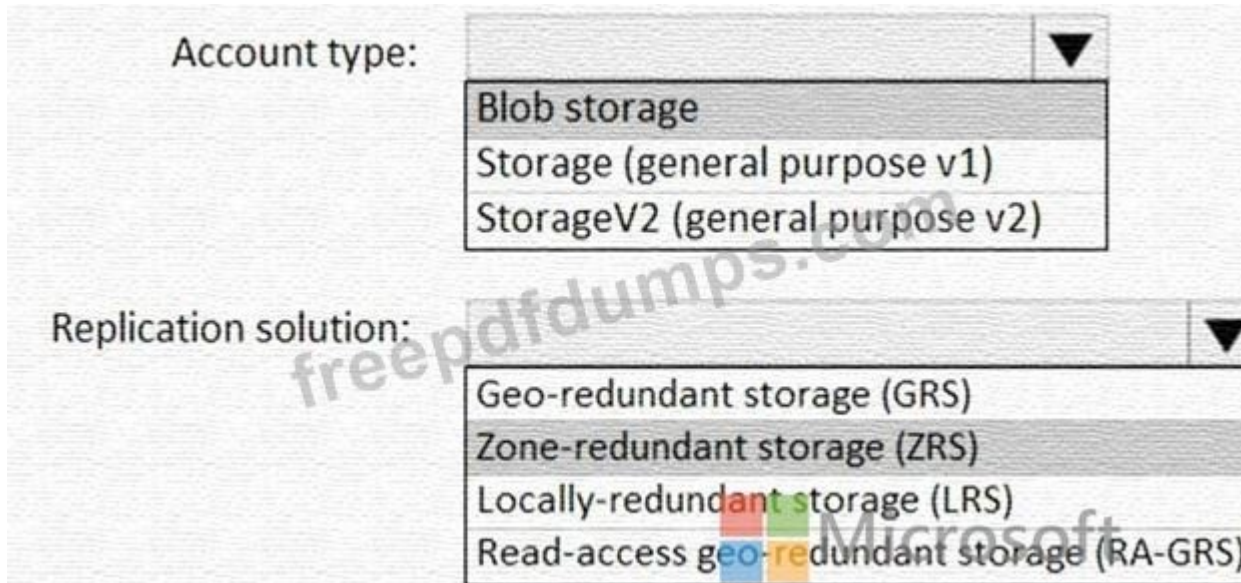
NOTE: Each correct selection is worth one point.

The screenshot shows two dropdown menus. The first is labeled 'Account type:' and has three options: 'Blob storage', 'Storage (general purpose v1)', and 'StorageV2 (general purpose v2)'. The second is labeled 'Replication solution:' and has four options: 'Geo-redundant storage (GRS)', 'Zone-redundant storage (ZRS)', 'Locally-redundant storage (LRS)', and 'Read-access geo-redundant storage (RA-GRS)'. A watermark 'freepdfdumps.com' is visible across the middle of the image.

**Answer:**

The screenshot shows the same two dropdown menus as above. In the 'Account type:' dropdown, 'Blob storage' is selected. In the 'Replication solution:' dropdown, 'Zone-redundant storage (ZRS)' is selected. A watermark 'freepdfdumps.com' is visible across the middle of the image.

Explanation:



Account Type: StorageV2

Replication solution: Zone-redundant storage (ZRS)

### NEW QUESTION: 98

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 (LEAVE A REPLY)**

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: 99

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

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 100**

You have an Azure Load Balancer named LB1 that balances requests to five Azure virtual machines.

You need to develop a monitoring solution for LB1. The solution must generate an alert when any of the following conditions are met:

- \* A virtual machine is unavailable.
- \* Connection attempts exceed 50,000 per minute.

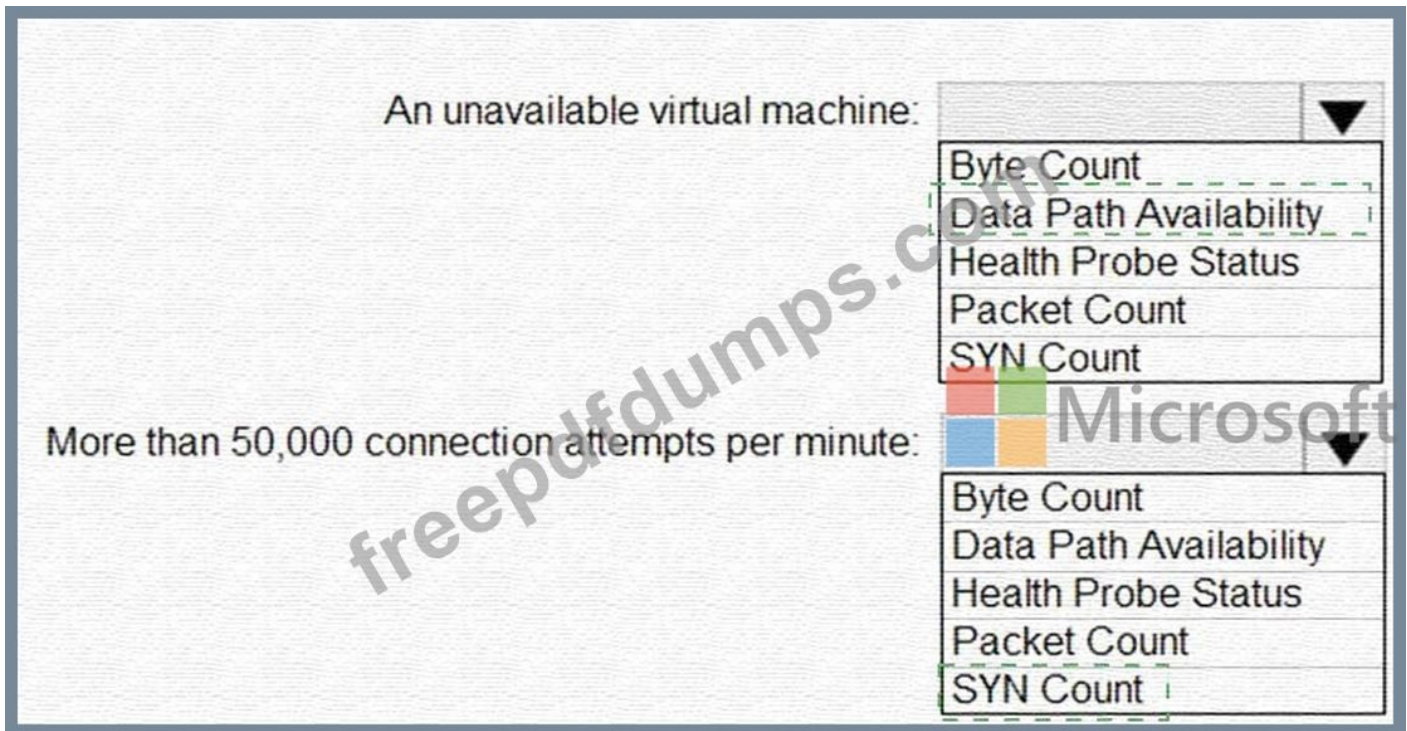
Which signal should you include in the solution for each condition? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

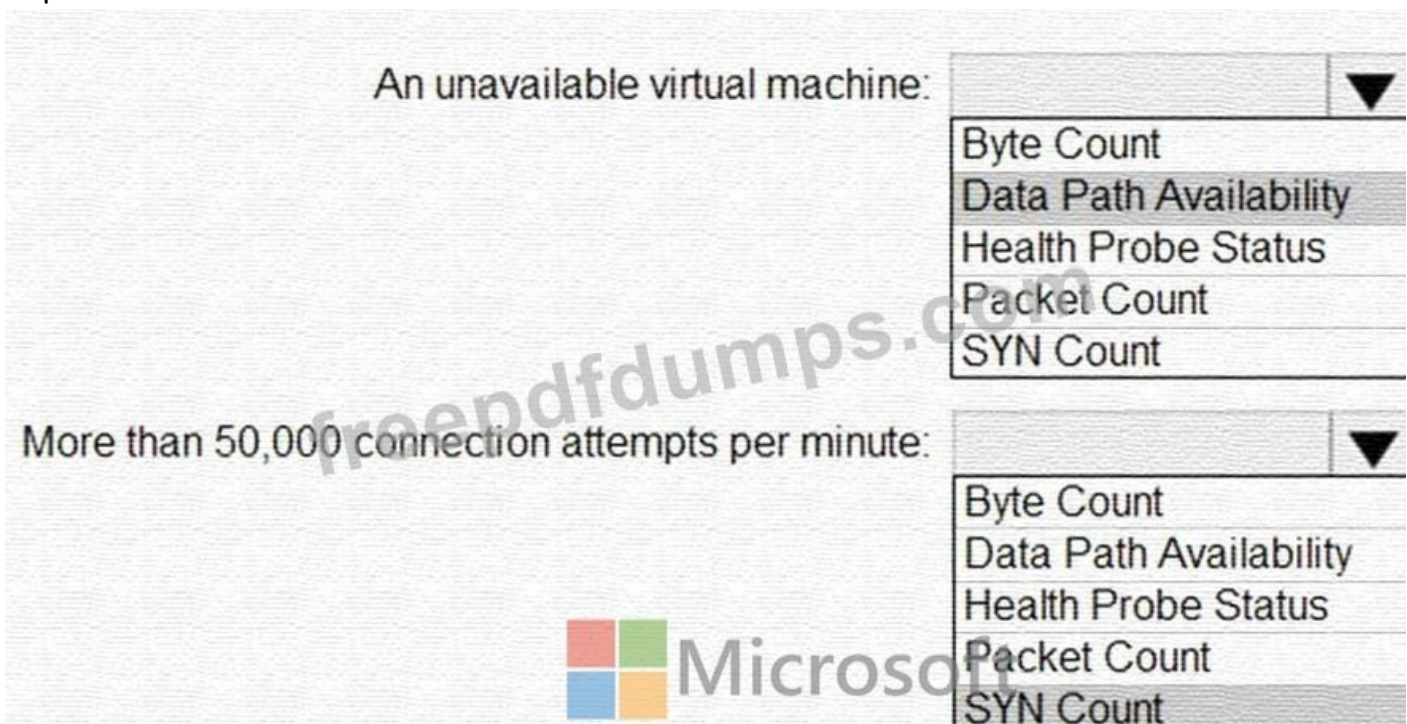
The screenshot shows the configuration interface for monitoring an Azure Load Balancer. It features two conditions to be monitored:

- Condition 1:** "An unavailable virtual machine". The dropdown menu for this condition includes:
  - Byte Count
  - Data Path Availability
  - Health Probe Status
  - Packet Count
  - SYN Count
- Condition 2:** "More than 50,000 connection attempts per minute". The dropdown menu for this condition includes:
  - Byte Count
  - Data Path Availability
  - Health Probe Status
  - Packet Count
  - SYN Count

Answer:



Explanation:



**Box 1: Data path availability**

Standard Load Balancer continuously exercises the data path from within a region to the load balancer front end, all the way to the SDN stack that supports your VM. As long as healthy instances remain, the measurement follows the same path as your application's load-balanced traffic. The data path that your customers use is also validated. The measurement is invisible to your application and does not interfere with other operations.

Note: Load balancer distributes inbound flows that arrive at the load balancer's front end to backend pool instances. These flows are according to configured load-balancing rules and health probes. The backend pool instances can be Azure Virtual Machines or instances in a virtual machine scale set.

Box 2: SYN count

SYN (synchronize) count: Standard Load Balancer does not terminate Transmission Control Protocol (TCP) connections or interact with TCP or UDP packet flows. Flows and their handshakes are always between the source and the VM instance. To better troubleshoot your TCP protocol scenarios, you can make use of SYN packets counters to understand how many TCP connection attempts are made. The metric reports the number of TCP SYN packets that were received.

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-diagnostics>

### **NEW QUESTION: 101**

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 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 (LEAVE A REPLY)**

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: 102**

Technology assessment

The company has two Active Directory forests: main.habinsurance.com and region.habinsurance.com.

HABInsurance's primary internal system is Insurance Processing System (IPS). It is an ASP.Net/C# application running on IIS/Windows Servers hosted in a data center. IPS has three tiers: web, business logic API, and a datastore on a back end. The company uses Microsoft SQL Server and MongoDB for the backend.

The system has two parts: Customer data and Insurance forms and documents. Customer data is

stored in Microsoft SQL Server and Insurance forms and documents - in MongoDB. The company also has 10 TB of Human Resources (HR) data stored on NAS at the head office location.

Requirements General HABInsurance plans to migrate its workloads to Azure. They purchased an Azure subscription. Changes During a transition period, HABInsurance wants to create a hybrid identity model along with a Microsoft Office 365 deployment. The company intends to sync its AD forests to Azure AD and benefit from Azure AD administrative units functionality.

HABInsurance needs to migrate the current IPSCustomers SQL database to a new fully managed SQL database in Azure that would be budget-oriented, balanced with scalable compute and storage options. The management team expects the Azure database service to scale the database resources dynamically with minimal downtime. The technical team proposes implementing a DTU-based purchasing model for the new database.

HABInsurance wants to migrate Insurance forms and documents to Azure database service.

HABInsurance plans to move IPS first two tiers to Azure without any modifications. The technology team discusses the possibility of running IPS tiers on a set of virtual machines instances. The number of instances should be adjusted automatically based on the CPU utilization. An SLA of 99.95% must be guaranteed for the compute infrastructure.

The company needs to move HR data to Azure File shares.

In their new Azure ecosystem, HABInsurance plans to use internal and third-party applications. The company considers adding user consent for data access to the registered applications Later, the technology team contemplates adding a customer self-service portal to IPS and deploying a new IPS to multi-region ASK. But the management team is worried about performance and availability of the multi-region AKS deployments during regional outages.

What two parameters would you recommend set up to ensure that the new IPSCustomers database will scale to meet the workload demands?

- A. Define the maximum resource limit per group of databases
- B. Define the maximum of Database Transaction Units
- C. Define the maximum size for a database
- D. Define the maximum of CPU cores
- E. Define the maximum of the allocated storage

**Answer: B,C ([LEAVE A REPLY](#))**

### **NEW QUESTION: 103**

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

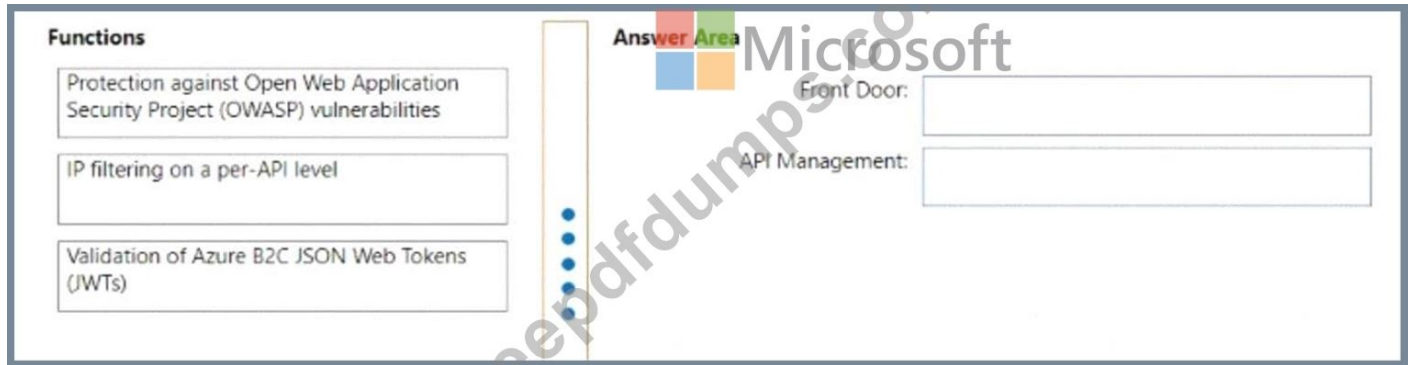
- \* External users will access the infrastructure by using Azure Front Door.
- \* External user access to the backend APIs hosted in Azure Kubernetes Service (AKS) will be controlled by using Azure API Management.
- \* External users will be authenticated by an Azure AO B2C tenant that uses OpenID Connect-based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

Which function does each service provide? To answer, drag the appropriate functions to the correct services.

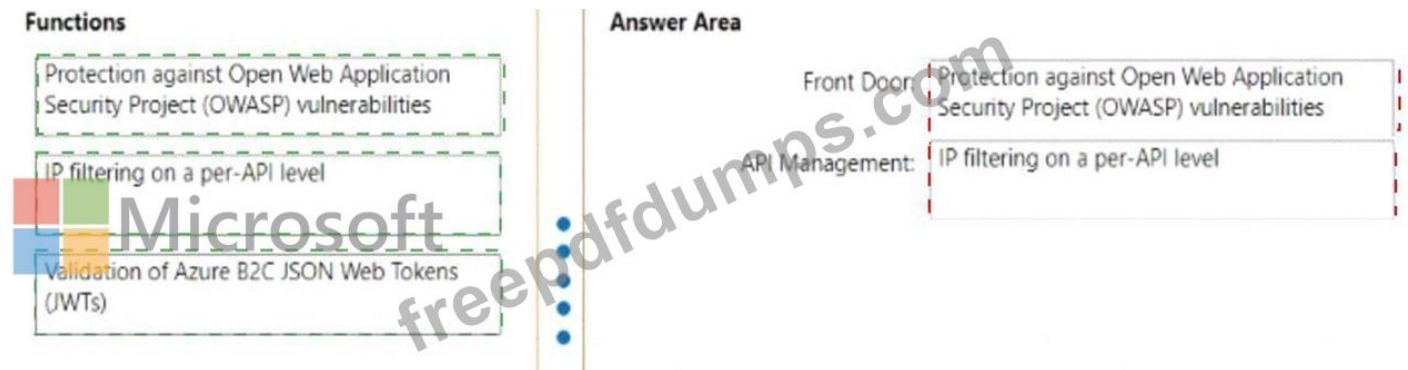
Each function may be used once, more than once, or not at all You may need to drag the split bar

between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



**Answer:**



Explanation:

Front Door: Protection against Open Web Application Security Project (OWASP) vulnerabilities<sup>1</sup>  
API Management: IP filtering on a per-API level<sup>2</sup> and validation of Azure B2C JSON Web Tokens (JWTs)<sup>3</sup> References:

1: Azure Front Door - Web Application Firewall 2: Azure API Management policy reference - ip-filter 3: How to validate an Azure B2C JWT token in a web API?

### NEW QUESTION: 104

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

**Answer: B (LEAVE A REPLY)**

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

### NEW QUESTION: 105

You need to recommend a solution for the App1 maintenance task. The solution must minimize

costs.

What should you include in the recommendation?

- A. an Azure logic app
- B. an Azure function
- C. an Azure virtual machine
- D. an App Service WebJob

**Answer:** ([SHOW ANSWER](#))

<https://learn.microsoft.com/en-us/azure/azure-functions/functions-reference-powershell?tabs=portal>

<https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function#create-a-timer-triggered-function>

**NEW QUESTION: 106**

You deploy several Azure SQL Database instances.

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

## Diagnostics settings

Save Discard Delete

### Diagnostics



Storage account

csa14d260928e42x4ea7xb77

Stream to an event hub

Send to Log Analytics

Log Analytics

fabrikamproductionworkspace

LOG

SQLInsights

Retention (days)



90

AutomaticTuning

Retention (days)



30

QueryStoreRuntimeStatistics

Retention (days)



0

QueryStoreWaitStatistics

Retention (days)



0

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.

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	

Answer:

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	

Explanation:

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	

In the exhibit, the SQLInsights data is configured to be stored in Azure Log Analytics for 90 days. However, the question is asking for the "maximum" amount of time that the data can be stored which is 730 days.

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**NEW QUESTION: 107**

You have an on-premises network.

You have an Azure subscription.

You plan to centralize the collection and analytics of Azure and on-premises resources by using Log Analytics.

You are evaluating the cost implications of using the Basic log data plan versus the Analytics log data plan.

What will increase costs by using the Basic log data plan, and what will reduce costs by using the Basic log data plan? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Increase costs: Ingestion  
Alerts  
**Ingestion**  
Log queries

Reduce costs: Alerts  
**Alerts**  
Ingestion  
Log queries

Microsoft

**Answer:**

Answer Area

Increase costs: Ingestion  
Alerts  
**Ingestion**  
Log queries

Reduce costs: Alerts  
**Alerts**  
Ingestion  
Log queries

Microsoft

Answer Area

Increase costs: **Ingestion**

Reduce costs: **Alerts**

## NEW QUESTION: 108

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 (LEAVE A REPLY)**

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>

Topic 1, Litware, Inc

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. General Overview

Litware, Inc. is a medium-sized finance company.

Overview. Physical Locations

Litware has a main office in Boston.

Existing Environment. Identity Environment

The network contains an Active Directory forest named Litware.com that is linked to an Azure Active Directory (Azure AD) tenant named Litware.com. All users have Azure Active Directory Premium P2 licenses.

Litware has a second Azure AD tenant named dev.Litware.com that is used as a development environment.

The Litware.com tenant has a conditional access policy named capolicy1. Capolicy1 requires that when users manage the Azure subscription for a production environment by using the Azure portal, they must connect from a hybrid Azure AD-joined device.

Existing Environment. Azure Environment

Litware has 10 Azure subscriptions that are linked to the Litware.com tenant and five Azure subscriptions that are linked to the dev.Litware.com tenant. All the subscriptions are in an Enterprise Agreement (EA).

The Litware.com tenant contains a custom Azure role-based access control (Azure RBAC) role named Role1 that grants the DataActions read permission to the blobs and files in Azure Storage.

Existing Environment. On-premises Environment

The on-premises network of Litware contains the resources shown in the following table.

Name	Type	Configuration
SERVER1 SERVER2 SERVER3	Ubuntu 18.04 virtual machines hosted on Hyper-V	The virtual machines host a third-party app named App1. App1 uses an external storage solution that provides Apache Hadoop-compatible data storage. The data storage supports POSIX access control list (ACL) file-level permissions.
SERVER10	Server that runs Windows Server 2016	The server contains a Microsoft SQL Server instance that hosts two databases named DB1 and DB2.

Existing Environment. Network Environment

Litware has ExpressRoute connectivity to Azure.

Planned Changes and Requirements. Planned Changes

Litware plans to implement the following changes:

- \* Migrate DB1 and DB2 to Azure.
- \* Migrate App1 to Azure virtual machines.
- \* Deploy the Azure virtual machines that will host App1 to Azure dedicated hosts.

Planned Changes and Requirements. Authentication and Authorization Requirements Litware identifies the following authentication and authorization requirements:

- \* Users that manage the production environment by using the Azure portal must connect from a hybrid Azure AD-joined device and authenticate by using Azure Multi-Factor Authentication (MFA).
- \* The Network Contributor built-in RBAC role must be used to grant permission to all the virtual networks in all the Azure subscriptions.
- \* To access the resources in Azure, App1 must use the managed identity of the virtual machines that will host the app.
- \* Role1 must be used to assign permissions to the storage accounts of all the Azure

subscriptions.

\* RBAC roles must be applied at the highest level possible.

Planned Changes and Requirements. Resiliency Requirements

Litware identifies the following resiliency requirements:

\* Once migrated to Azure, DB1 and DB2 must meet the following requirements:

- Maintain availability if two availability zones in the local Azure region fail.
- Fail over automatically.
- Minimize I/O latency.

\* App1 must meet the following requirements:

- Be hosted in an Azure region that supports availability zones.
- Be hosted on Azure virtual machines that support automatic scaling.
- Maintain availability if two availability zones in the local Azure region fail.

Planned Changes and Requirements. Security and Compliance Requirements

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.

Planned Changes and Requirements. Business Requirements

Litware identifies the following business requirements:

\* Minimize administrative effort.

\* Minimize costs.

### **NEW QUESTION: 109**

You have an Azure AD tenant.

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

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

What should you include in the recommendation?

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

**Answer:** ([SHOW ANSWER](#))

### **NEW QUESTION: 110**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

Solution: You recommend using an Azure policy initiative to enforce the location.

Does this meet the goal?

**A.** Yes

**B.** No

**Answer: A (LEAVE A REPLY)**

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: 111**

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 Functions

**B.** Azure Pipelines and Azure Service Fabric

**C.** Azure Logic Apps and Azure Event Grid

**D.** Azure Functions and Azure Batch

**Answer: A (LEAVE A REPLY)**

You can schedule a powershell script with Azure Logic Apps.

When you want to run code that performs a specific job in your logic apps, you can create your

own function by using Azure Functions. This service helps you create Node.js, C#, and F# functions so you don't have to build a complete app or infrastructure to run code. You can also call logic apps from inside Azure functions.

Azure Functions provides serverless computing in the cloud and is useful for performing tasks such as these examples:

Reference:

<https://docs.microsoft.com/en-us/azure/logic-apps/logic-apps-azure-functions>

**NEW QUESTION: 112**

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.

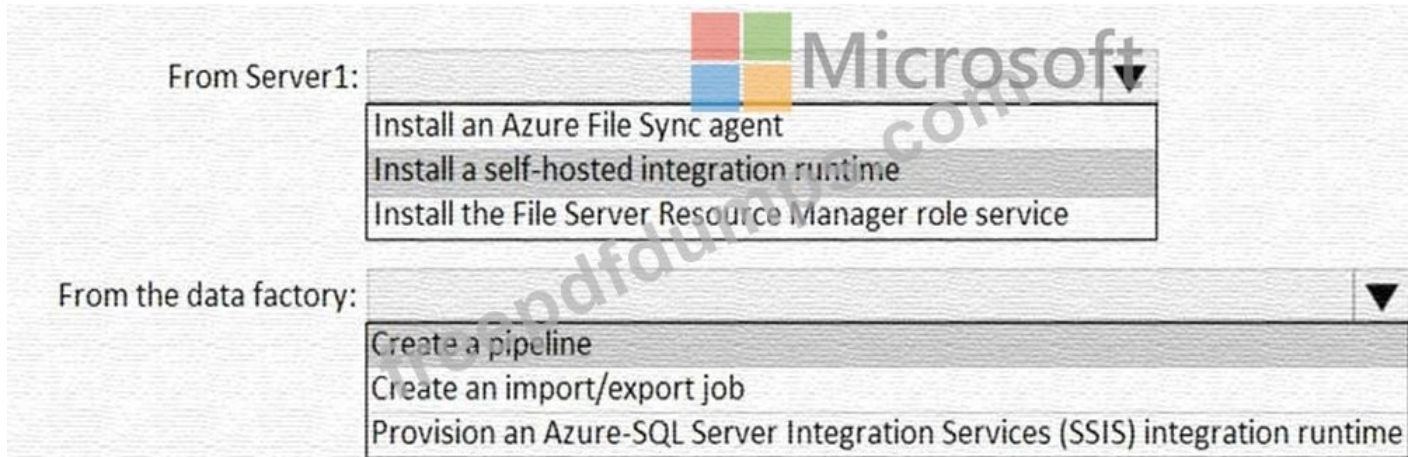
NOTE: Each correct selection is worth one point.

The screenshot shows the 'From Server1:' dropdown menu in the Azure Data Factory interface. The menu is open, displaying three options: 'Install an Azure File Sync agent', 'Install a self-hosted integration runtime', and 'Install the File Server Resource Manager role service'. The 'From the data factory:' dropdown menu is also visible, showing three options: 'Create a pipeline', 'Create an import/export job', and 'Provision an Azure-SQL Server Integration Services (SSIS) integration runtime'.

**Answer:**

The screenshot shows the 'From Server1:' dropdown menu in the Azure Data Factory interface. The menu is open, displaying three options: 'Install an Azure File Sync agent', 'Install a self-hosted integration runtime', and 'Install the File Server Resource Manager role service'. The 'From the data factory:' dropdown menu is also visible, showing three options: 'Create a pipeline', 'Create an import/export job', and 'Provision an Azure-SQL Server Integration Services (SSIS) integration runtime'. The 'Install an Azure File Sync agent' option in the 'From Server1:' menu and the 'Create a pipeline' option in the 'From the data factory:' menu are highlighted with a green dashed box, indicating they are the correct selections.

Explanation:



Box 1: Install a self-hosted integration runtime

The Integration Runtime is a customer-managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.

Box 2: Create a pipeline

With ADF, existing data processing services can be composed into data pipelines that are highly available and managed in the cloud. These data pipelines can be scheduled to ingest, prepare, transform, analyze, and publish data, and ADF manages and orchestrates the complex data and processing dependencies References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf>

<https://docs.microsoft.com/pl-pl/azure/data-factory/tutorial-hybrid-copy-data-tool> syu31svc 3 months, 4 weeks ago

<https://docs.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime?tabs=data-factory>

"A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a private network"

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

"With Data Factory, you can use the Copy Activity in a data pipeline to move data from both on-premises and cloud source data stores to a centralization data store in the cloud for further analysis"

### NEW QUESTION: 113

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: (SHOW ANSWER)**

<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 Group C 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-scenarios> 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-use-access-reviews>

Dynamic User is needed if a user must be automatically granted access on base of its attributes (department, jobtitle, location, etc.) <https://techcommunity.microsoft.com/t5/itops-talk-blog/dynamic-groups-in-azure-ad-and-microsoft-365/ba-p/2267494> 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-reviews>

### **NEW QUESTION: 114**

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. access keys
- C. conditional access policies
- D. certificates

**Answer: A (LEAVE A REPLY)**

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview> This allows for limited-time fine grained access control to resources. So you can generate URL, specify duration (for month of April) and disseminate URL to 10 team members. On May 1, the SAS token is

automatically invalidated, denying team members continued access.

**NEW QUESTION: 115**

You have an Azure subscription that contains a Windows Virtual Desktop tenant.

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

- \* Start and stop Windows Virtual Desktop session hosts based on business hours.
- \* Scale out Windows Virtual Desktop session hosts when required.
- \* Minimize compute costs.

What should you include in the recommendation?

- A. Microsoft Intune
- B. a Windows Virtual Desktop automation task
- C. Azure Automation
- D. Azure Service Health

**Answer: ([SHOW ANSWER](#))**

Reference:

<https://www.ciraltos.com/automatically-start-and-stop-wvd-vms-with-azure-automation/>

<https://wvdlogix.net/windows-virtual-desktop-host-pool-automation-2>

<https://getnerdio.com/academy/how-to-optimize-windows-virtual-desktop-wvd-azure-costs-with-event-based-autoscaling-and-azure-vm-scale-sets/>

**NEW QUESTION: 116**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

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

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

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

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

Solution: You recommend using the Regulatory compliance dashboard in Azure Security Center.

Does this meet the goal?

- A. Yes
- B. No

**Answer: ([SHOW ANSWER](#))**

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: 117

You are designing an app that will use Azure Cosmos DB to collate sales data 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. PostgreSQL
- B. NoSQL
- C. MongoDB
- D. Apache Cassandra

Answer: A ([LEAVE A REPLY](#))

### NEW QUESTION: 118

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:



Explanation:



**NEW QUESTION: 119**

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	Answer Area
Azure Blob Storage	Azure subscription: Service
Azure Data Box	On-premises network: Service
Azure Data Box Gateway	
Azure Data Lake Storage	
Azure File Sync	
Azure Files	

**Answer:**

Services	Answer Area
Azure Blob Storage	Azure subscription: Azure Files
Azure Data Box	On-premises network: Azure File Sync
Azure Data Box Gateway	
Azure Data Lake Storage	
Azure File Sync	
Azure Files	

Explanation:

Azure subscription:	Azure Files
On-premises network:	Azure File Sync

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: 120**

You need to recommend a notification solution for the IT Support distribution group.

What should you include in the recommendation?

- A. Azure Network Watcher
- B. an action group
- C. a SendGrid account with advanced reporting
- D. Azure AD Connect Health

**Answer: D ([LEAVE A REPLY](#))**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-health-operations>

### **NEW QUESTION: 121**

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 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 ([LEAVE A REPLY](#))**

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>

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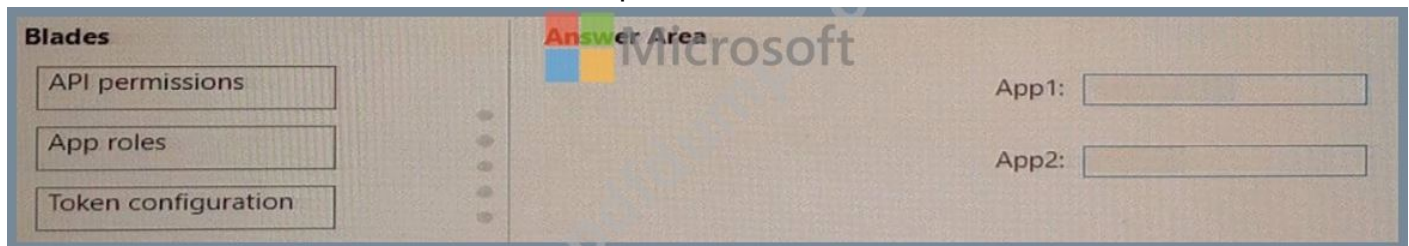
### NEW QUESTION: 122

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.

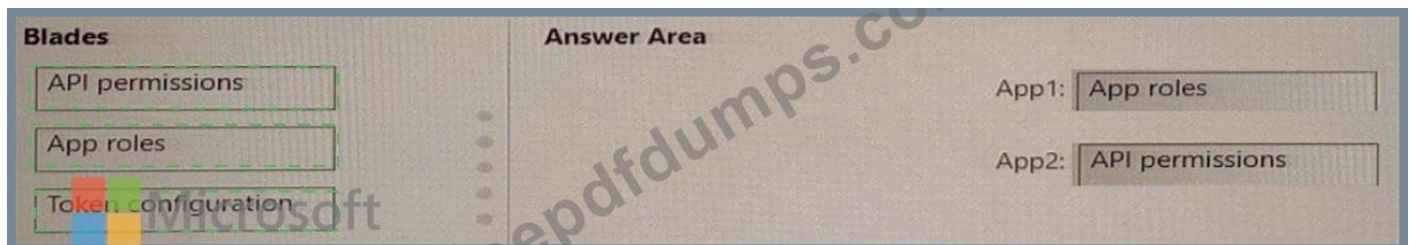
You need to ensure that when App2 authenticates to access App1, the tokens issued by Azure AD include the Writer role claim.

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.

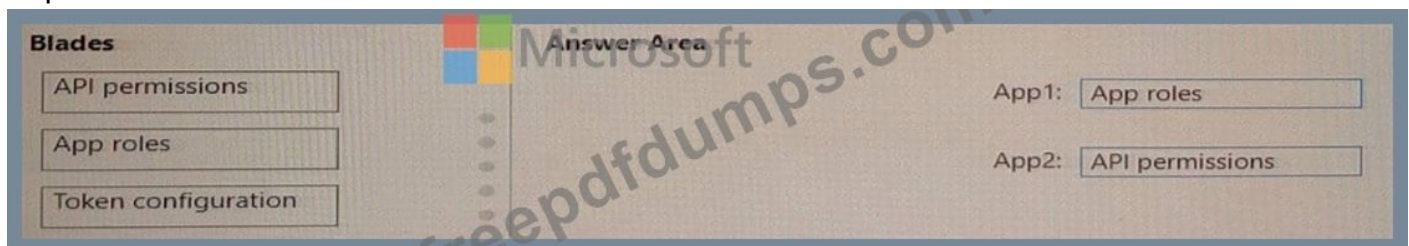
NOTE: Each correct selection is worth one point.



**Answer:**



**Explanation:**



### NEW QUESTION: 123

What should you include in the identity management strategy to support the planned changes?

- A. Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
- B. Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
- C. Deploy a new Azure AD tenant for the authentication of new R&D projects.
- D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

**Answer: B ([LEAVE A REPLY](#))**

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. (This requires domain controllers in Azure) Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

(This requires domain controllers on-premises)

**NEW QUESTION: 124**

You have an Azure subscription that contains an Azure Cosmos DB for NoSQL account named account1 and an Azure Synapse Analytics workspace named Workspace1. The account1 account contains a container named Container1 that has the analytical store enabled.

You need to recommend a solution that will process the data stored in Container1 in near-real-time (NRT) and output the results to a data warehouse in Workspace1 by using a runtime engine in the workspace. The solution must minimize data movement.

Which pool in Workspace1 should you use?

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

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 125**

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

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 126**

What should you recommend to meet the monitoring requirements for App2?

- A. Azure Application Insights
- B. Container insights
- C. VM insights

D. Microsoft Sentinel

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 127**

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

You have the following requirements:

Perform calculations in Azure.

Each node must communicate data to every other node.

Maximize the number of nodes to calculate multiple scenes as fast as possible.

Require the least amount of effort to implement.

You need to recommend a solution.

Which two actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 128**

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

**Answer: D ([LEAVE A REPLY](#))**

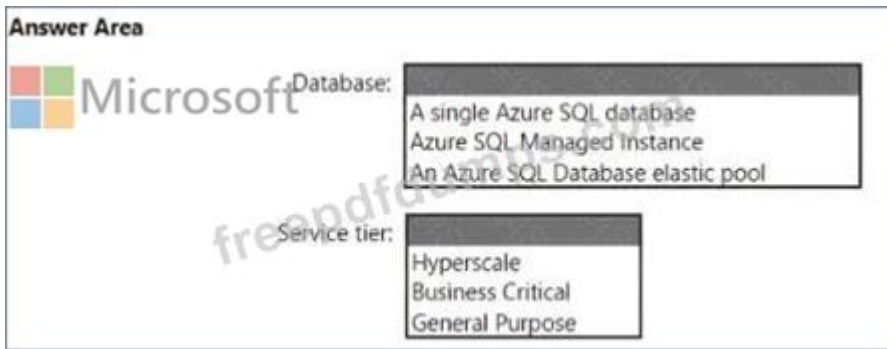
**NEW QUESTION: 129**

You plan to migrate DB1 and DB2 to Azure.

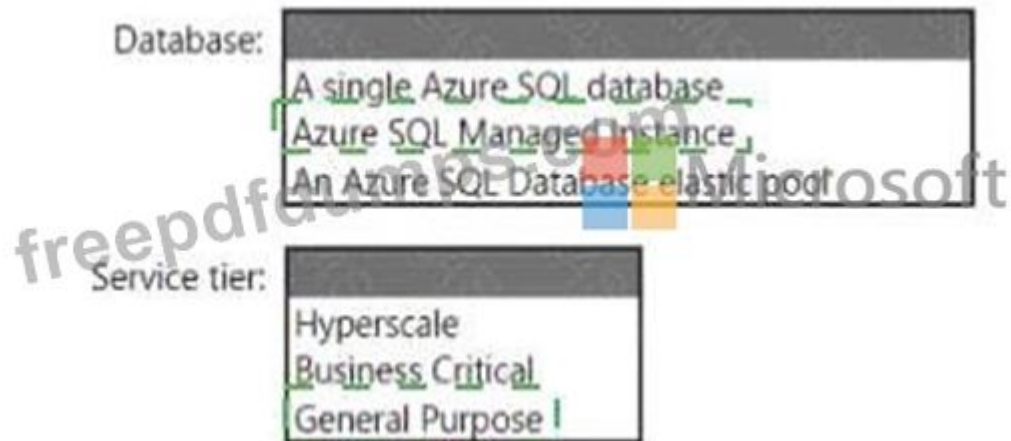
You need to ensure that the Azure database and the service tier meet the resiliency and business requirements.

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

NOTE: Each correct selection is worth one point.



**Answer:**  
**Answer Area**



Explanation:



**NEW QUESTION: 130**

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

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 131**

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

**Answer: ([SHOW ANSWER](#))**

When both the database management system and client are under the same ownership (e.g. when SQL Server is deployed to a virtual machine), transactions are available and the lock duration can be controlled.

Reference: <https://docs.particular.net/nservicebus/azure/understanding-transactionality-in-azure>

**NEW QUESTION: 132**

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.

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

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

Explanation:

Box 1: Azure SQL Database

Azure SQL Database:

Database size always depends on the underlying service tiers (e.g. Basic, Business Critical, Hyperscale).

It supports databases of up to 100 TB with Hyperscale service tier model.

Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.

Azure SQL Database and SQL Managed Instance enable you to dynamically add more resources to your database with minimal downtime.

Box 2: Hyperscale

Reference:

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

<https://medium.com/awesome-azure/azure-difference-between-azure-sql-database-and-sql-server-on-vm-comparison-azure-sql-vs-sql-server-vm-cf02578a1188>

### **NEW QUESTION: 133**

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 have an Azure Storage account that contains two 1-GB data files named File1 and File2. The data files are set to use the archive access tier.

You need to ensure that File1 is accessible immediately when a retrieval request is initiated.

Solution: For File1, you set Access tier to Cool.

Does this meet the goal?

A. Yes

B. No

**Answer: (**[SHOW ANSWER](#)**)**

The data in the cool tier is "considered / intended to be stored for 30 days". But this is not a must. You can store data indefinitely in the cool tier. The mentioned reference (see below) even gives an example of large scientific or otherwise large data which is stored for long duration in the cool tier.

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal>

### **NEW QUESTION: 134**

You need to recommend a strategy for migrating the database content of WebApp1 to Azure.

What should you include in the recommendation?

A. Use Azure Site Recovery to replicate the SQL servers to Azure.

B. Use SQL Server transactional replication.

C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.

D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

**Answer: D (**[LEAVE A REPLY](#)**)**

Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).

Scenario: 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.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image>

**NEW QUESTION: 135**

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end.

The IT apartment at your company recently enabled forced tunneling, Since the configuration change, developers have noticed degraded performance when they access the database You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs What should you include in the recommendation?

- A. Azure SQL Database Managed instance
- B. Azure virtual machines that run Microsoft SQL Server servers
- C. Always On availability groups
- D. virtual network (VNET) service endpoint

**Answer: D (LEAVE A REPLY)**

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-service-endpoints-overview>

**NEW QUESTION: 136**

You are planning an Azure solution that will host production databases for a high-performance application.

The solution will include the following components:

- \* Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always On availability group.
- \* SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension) You identify the storage priorities for various data types as shown in the following table.

Data type	Storage priority
Operating system	Speed and availability
Databases and logs	Speed and availability
Backups	Lowest cost

Which storage type should you recommend for each data type? To answer, drag the appropriate storage types to the correct data types. Each storage type 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.

**Storage Types**


- A geo-redundant storage (GRS) account
- A locally-redundant storage (LRS) account
- A premium managed disk
- A standard managed disk

**Answer Area**

Operating system:

Databases and logs:

Backups:



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Answer:

### Storage Types

- A geo-redundant storage (GRS) account
- A locally-redundant storage (LRS) account
- A premium managed disk
- A standard managed disk

### Answer Area

- Operating system: A premium managed disk
- Databases and logs: A premium managed disk
- Backups: A locally-redundant storage (LRS) account

Explanation:

Operating system: A premium managed disk

Databases and logs: A premium managed disk

Backups: A locally-redundant storage (LRS) account

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### NEW QUESTION: 137

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

Answer:

## Answer Area

Application1:

Dropdown menu for 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:

Dropdown menu for 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

Explanation:

Application 1:



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

Application 2:

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

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: 138**

Your company has an Azure Web App that runs via the Premium App Service Plan. A development team will be using the Azure Web App. You have to configure the Azure Web app so that it can fulfil the below requirements.

Provide the ability to switch the web app from the current version to a newer version Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs Ensure that the application version can be rolled back Minimize downtime Which of the following can be used for this requirement?

- A. Backup the Azure Web App
- B. Map a custom domain
- C. Make use of deployment slots
- D. Create a new App Service Plan

**Answer: C** ([LEAVE A REPLY](#))

### NEW QUESTION: 139

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

Microsoft

Configure App1 to use OAuth 2.0:

- Client credentials grant flows
- 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:

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

**Answer:**

Answer Area

Microsoft

Configure App1 to use OAuth 2.0:

- Client credentials grant flows
- 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:

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

**Explanation:**

Answer Area

Microsoft

Configure App1 to use OAuth 2.0: Client credentials grant flows

Configure App1 to use a REST API call to retrieve an authentication token from the: OAuth 2.0 access token endpoint of Azure AD

### NEW QUESTION: 140

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

**Answer:** ([SHOW ANSWER](#))

You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.

Reference:

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

### NEW QUESTION: 141

You have an Azure subscription that is linked to an Azure Active Directory Premium Plan 2 tenant

The tenant has multi-factor authentication (MFA) enabled for all users.

You have the named locations shown in the following table.

Name	IP address range	Trusted
NY	192.168.2.0/27	Yes
DC	192.168.1.0/27	No
LA	192.168.3.0/27	No

You have the users shown in the following table.

Name	Device operating system	User-risk level	Matching compliance policies
User1	Windows 10	High	None
User2	Windows 10	Medium	None
User3	macOS	Low	None

You plan to deploy the Conditional Access policies shown in the following table.

Name	Assignment	Conditions: Locations	Conditions: User risk	Conditions: Sign-in risk	Access Control: Grant
CA1	All users	Trusted locations	High, Medium	None	Block access
CA2	All users	NY	None	High, Medium	Block access
CA3	All users	LA	None	None	Grant access: Require device to marked as compliant

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
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	<input type="radio"/>	<input type="radio"/>
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	<input type="radio"/>	<input type="radio"/>
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	<input type="radio"/>	<input checked="" type="radio"/>
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	<input type="radio"/>	<input checked="" type="radio"/>
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	<input type="radio"/>	<input checked="" type="radio"/>
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	<input type="radio"/>	<input checked="" type="radio"/>
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION: 142

A company has an on-premises file server cbflserver that runs Windows Server 2019. Windows Admin Center manages this server. The company owns an Azure subscription. You need to provide an Azure solution to prevent data loss if the file server fails.

Solution: You decide to register Windows Admin Center in Azure and then configure Azure Backup.

Would this meet the requirement?

- A. Yes
- B. No

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 143

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 availability group that has premium storage disks and a distributed network name (DNN)
- C. an Always On Failover Cluster Instance that has a virtual network name (VNN) and a standard

file share

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

**Answer: B** ([LEAVE A REPLY](#))

#### NEW QUESTION: 144

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

**Answer: C** ([LEAVE A REPLY](#))

"Azure Front Door, which focuses on global load-balancing and site acceleration, and Azure CDN Standard, which offers static content caching and acceleration. The new Azure Front Door brings together security with CDN technology for a cloud-based CDN with threat protection and additional capabilities. "

#### NEW QUESTION: 145

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.

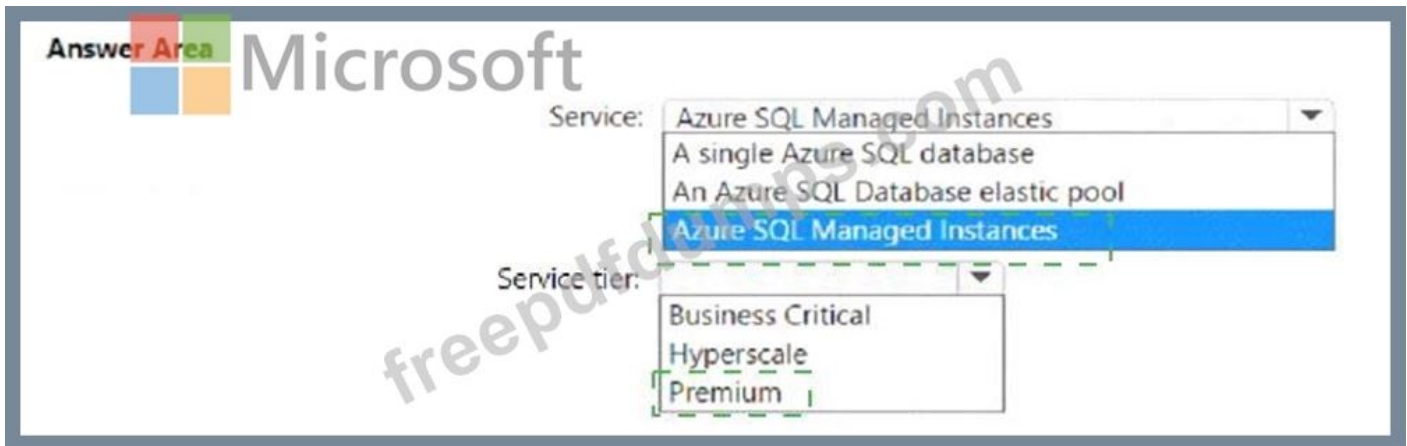
**Answer Area**

Service:    
A single Azure SQL database  
An Azure SQL Database elastic pool  
Azure SQL Managed Instances

Service tier:    
Business Critical  
Hyperscale  
Premium



**Answer:**



Explanation:



### NEW QUESTION: 146

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.

Topic	Value
Allowed authentication methods	<input type="text" value="All methods"/> <ul style="list-style-type: none"> <li>All methods</li> <li>GET only</li> <li>GET and POST only</li> <li>GET, POST, and OPTIONS only</li> </ul>
Authorization level	<input type="text" value="Function"/> <ul style="list-style-type: none"> <li>Function</li> <li>Anonymous</li> <li>Admin</li> </ul>

Answer:

Topic	Value
Allowed authentication methods	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> All methods  GET only  GET and POST only  GET, POST, and OPTIONS only </div>
Authorization level	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> Function  Anonymous  Admin </div>

Explanation:

Topic	Value
Allowed authentication methods	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> All methods  GET only  GET and POST only  GET, POST, and OPTIONS only </div>
Authorization level	<div style="border: 1px solid black; padding: 2px;"> <div style="text-align: right; padding-right: 5px;">▼</div> Function  Anonymous  Admin </div>

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: 147

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.

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

Answer:

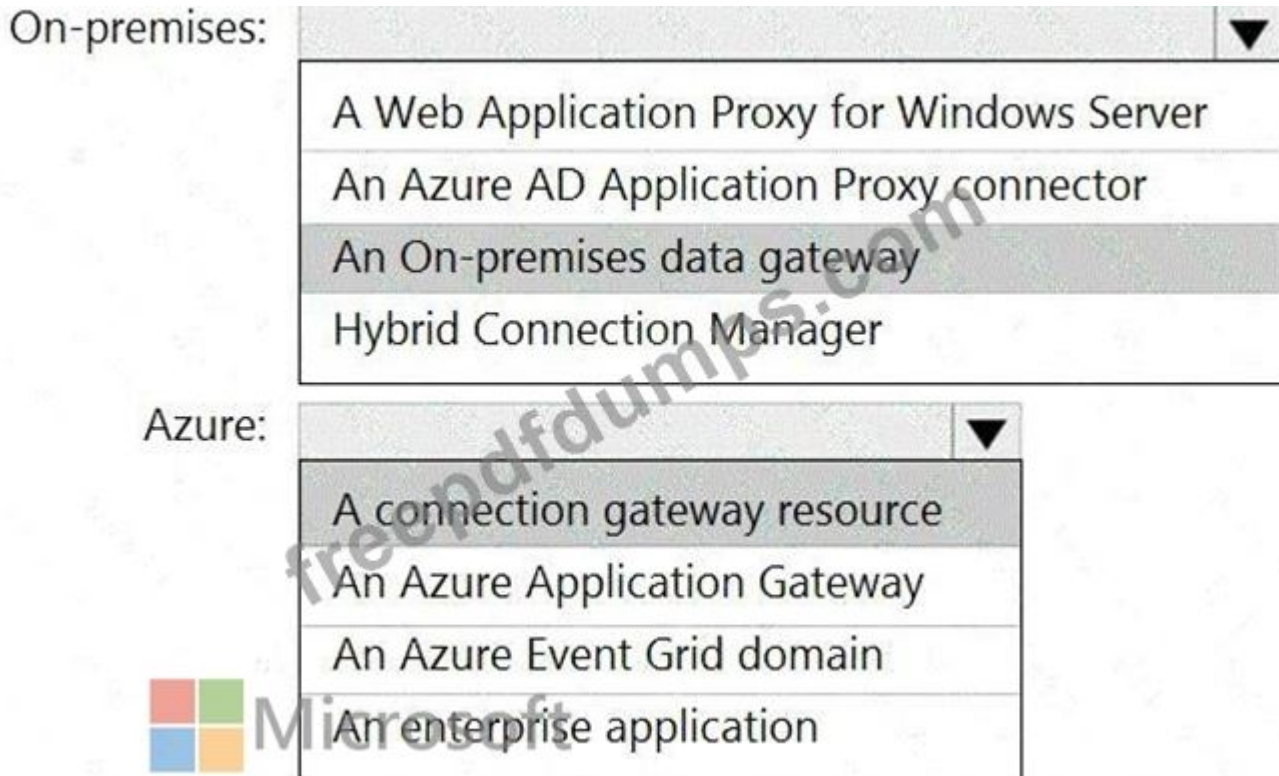
On-premises:

- 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

Explanation:



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: 148

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 selection is worth one point.

**Services**

- Azure Blob storage
- Azure Cosmos DB
- Azure SQL Database
- Azure Table storage

**Answer Area**

Image storage:

Customer accounts:



**Answer:**

**Services**

- Azure Blob storage
- Azure Cosmos DB
- Azure SQL Database
- Azure Table storage

**Answer Area**

Image storage:

Customer accounts:



**Explanation:**

**Services**

- Azure Blob storage
- Azure Cosmos DB
- Azure SQL Database
- Azure Table storage

**Answer Area**

Image storage:

Customer accounts:



**NEW QUESTION: 149**

You plan to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions. You need to recommend a storage solution to ensure that updated container images are replicated automatically to all the Azure regions hosting the AKS clusters.

Which storage solution should you recommend?

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

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 150**

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2022 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.

Microsoft  
Events from Windows event logs:   
Events from Linux system logging:

**Answer:**

Microsoft  
Events from Windows event logs:   
Events from Linux system logging:

**Explanation:**

Microsoft  
Events from Windows event logs:   
Events from Linux system logging:

**NEW QUESTION: 151**

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 Premium
- B. Azure SQL Database Basic
- C. Azure SQL Managed Instance Business Critical
- D. Azure SQL Database Hyperscale

**Answer: C (LEAVE A REPLY)**

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### NEW QUESTION: 152

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

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

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

NOTE: Each correct selection is worth one point.

When provisioning the Azure Synapse workspace:

When configuring the Azure Cosmos DB account, enable:

Answer Area

When provisioning the Azure Synapse workspace:

When configuring the Azure Cosmos DB account, enable:

Explanation:

Answer Area

When provisioning the Azure Synapse workspace:

When configuring the Azure Cosmos DB account, enable:

### NEW QUESTION: 153

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: C,D (LEAVE A REPLY)**

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: 154**

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 the projects.

What should you include in the recommendation?

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

**Answer: D (LEAVE A REPLY)**

#### **NEW QUESTION: 155**

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 (LEAVE A REPLY)**

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: 156

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

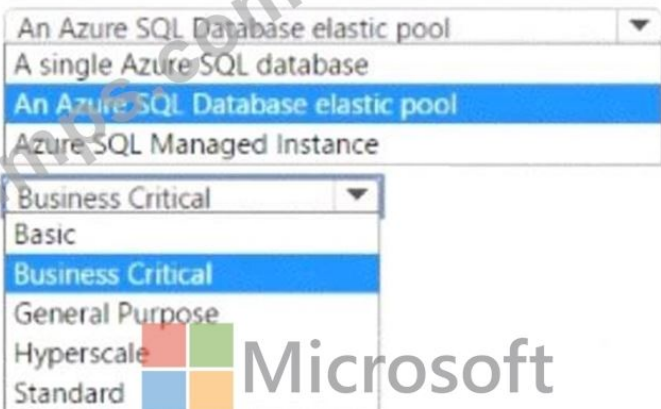
What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Azure SQL product:

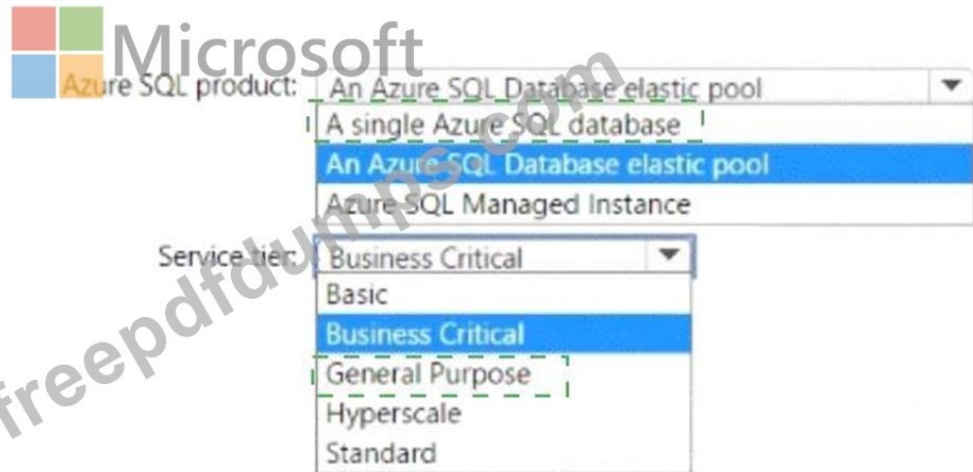
Service tier:



The image shows a screenshot of the Azure SQL configuration interface. The 'Azure SQL product' dropdown menu is open, showing four options: 'An Azure SQL Database elastic pool', 'A single Azure SQL database', 'An Azure SQL Database elastic pool', and 'Azure SQL Managed Instance'. The 'An Azure SQL Database elastic pool' option is selected and highlighted in blue. The 'Service tier' dropdown menu is also open, showing five options: 'Business Critical', 'Basic', 'Business Critical', 'General Purpose', and 'Hyperscale'. The 'Business Critical' option is selected and highlighted in blue. A watermark 'freepdfdrive.com' is visible across the image, and the Microsoft logo is in the bottom right corner.

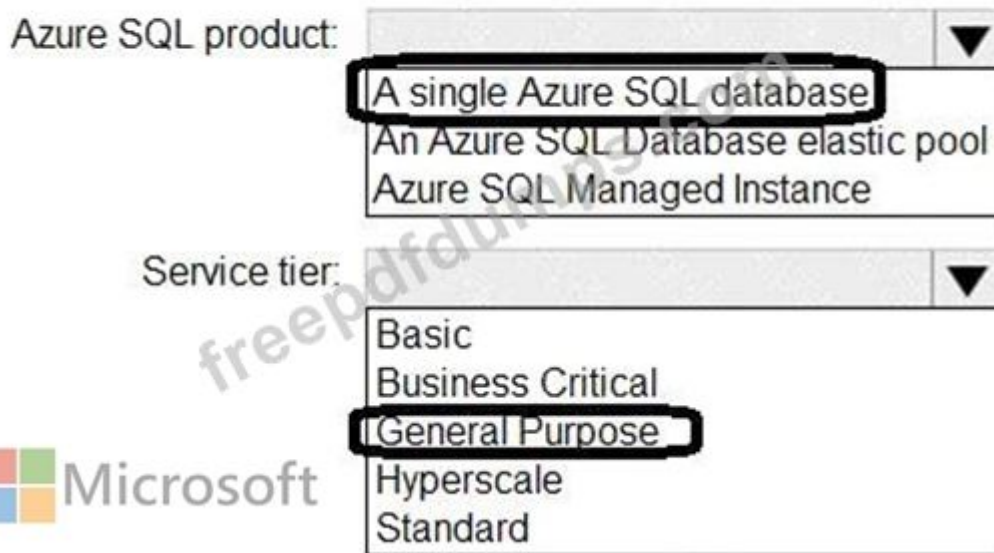
**Answer:**

Answer Area



Explanation:

Answer Area



"Serverless is a compute tier for single databases in Azure SQL Database that automatically scales compute based on workload demand and bills for the amount of compute used per second. The serverless compute tier is available in the General Purpose service tier and currently in preview in the Hyperscale service tier."

<https://learn.microsoft.com/en-us/azure/azure-sql/database/serverless-tier-overview>

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