

Microsoft.AZ-305.v2024-01-17.q141

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|---|--|
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NEW QUESTION: 1

To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Minimum number of Azure AD tenants:

| | |
|---|---|
| | ▼ |
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |

Minimum number of custom domains to add:

| | |
|---|---|
| | ▼ |
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |

Minimum number of conditional access policies to create:

| | |
|---|---|
| | ▼ |
| 0 | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |



Answer:

Microsoft

Minimum number of Azure AD tenants:

Minimum number of custom domains to add:

Minimum number of conditional access policies to create:

freecram.net

Explanation

1
1
0

NEW QUESTION: 2

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](#))

Explanation

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

Reference:

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

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

NEW QUESTION: 3

You plan to deploy an Azure Databricks Data Science & Engineering workspace and ingest data into the workspace.

Where should you persist the ingested data?

- A. Azure Files
- B. Azure Data Lake
- C. Azure SQL Database
- D. Azure Cosmos DB

Answer: (SHOW ANSWER)

Explanation

The Azure Databricks Data Science & Engineering data lands in a data lake for long term persisted storage, in Azure Blob Storage or Azure Data Lake Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/scenarios/what-is-azure-databricks-ws>

NEW QUESTION: 4

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

App1 stores database connection strings in KV1.

App1 performs the following types of requests to KV1:

- * Get
- * List
- * Wrap
- * Delete
- * Unwrap
- * Backup
- * Decrypt
- * Encrypt

You are evaluating the continuity of service for App1.

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

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

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

NOTE: Each correct selection is worth one point.

To where will KV1 fail over?

- A server in the same Availability Set
- A server in the same fault domain
- A server in the same paired region
- A virtual machine in a scale set

During the failover, which request type will be unavailable?

- Backup
- Decrypt
- Delete
- Encrypt
- Get
- List
- Unwrap
- Wrap

Answer:

To where will KV1 fail over?

- A server in the same Availability Set
- A server in the same fault domain
- A server in the same paired region
- A virtual machine in a scale set

During the failover, which request type will be unavailable?

- Backup
- Decrypt
- Delete
- Encrypt
- Get
- List
- Unwrap
- Wrap



Explanation

Table Description automatically generated

To where will KV1 fail over?

| | |
|---------------------------------------|---|
| | ▼ |
| A server in the same Availability Set | |
| A server in the same fault domain | |
| A server in the same paired region | |
| A virtual machine in a scale set | |

During the failover, which request type will be unavailable?

| | |
|---------|---|
| | ▼ |
| Backup | |
| Decrypt | |
| Delete | |
| Encrypt | |
| Get | |
| List | |
| Unwrap | |
| Wrap | |

Box 1: A server in the same paired region

The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away, but within the same geography to maintain high durability of your keys and secrets.

Box 2: Delete

During failover, your key vault is in read-only mode. Requests that are supported in this mode are:

- * List certificates
- * Get certificates
- * List secrets
- * Get secrets
- * List keys
- * Get (properties of) keys
- * Encrypt
- * Decrypt
- * Wrap
- * Unwrap
- * Verify
- * Sign

* Backup

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance>

NEW QUESTION: 5

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

You plan to move all the virtual machines to Azure.

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

What should you use to make the recommendation?

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

Answer: (SHOW ANSWER)

Explanation

<https://docs.microsoft.com/en-us/azure/migrate/migrate-appliance#collected-data---vmware>

"Metadata discovered by the Azure Migrate appliance helps you to figure out whether servers are ready for migration to Azure, right-size servers, plans costs, and analyze application dependencies".

<https://docs.microsoft.com/en-us/learn/modules/design-your-migration-to-azure/2-plan-your-azure-migration>

NEW QUESTION: 6

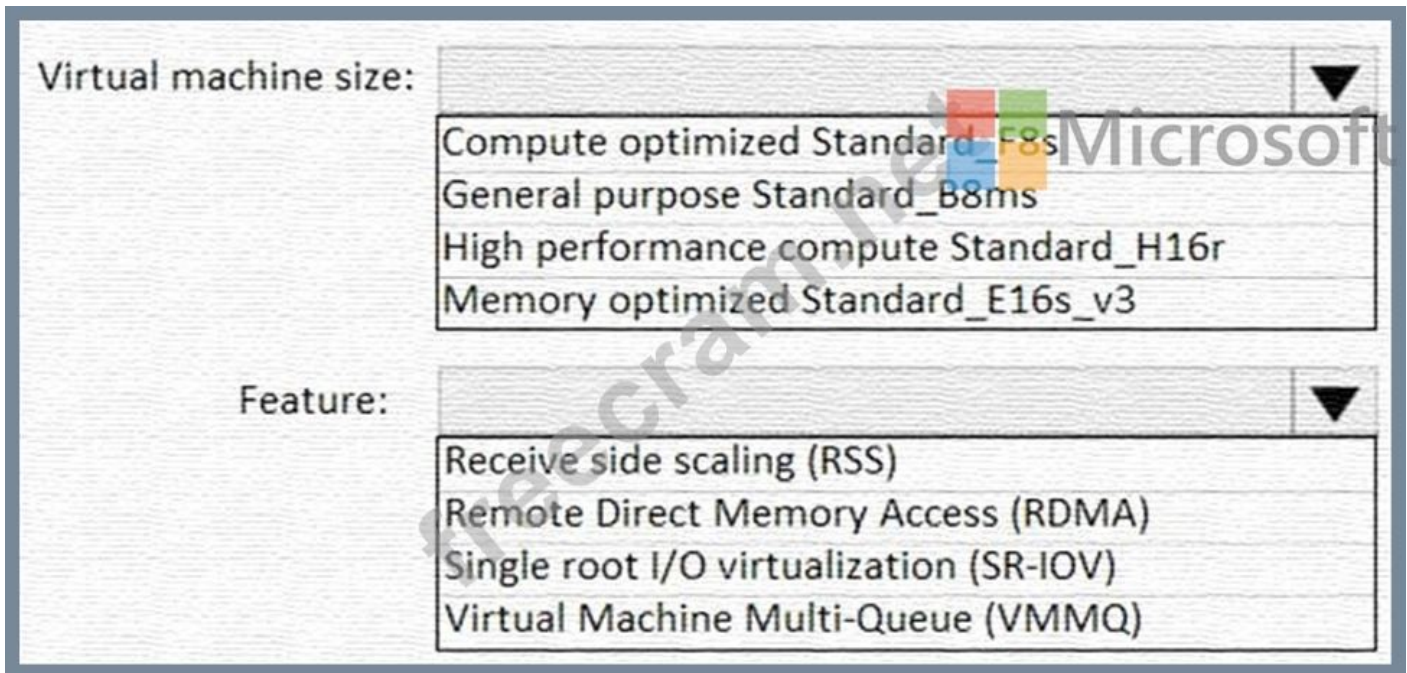
You plan to deploy a network-intensive application to several Azure virtual machines.

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

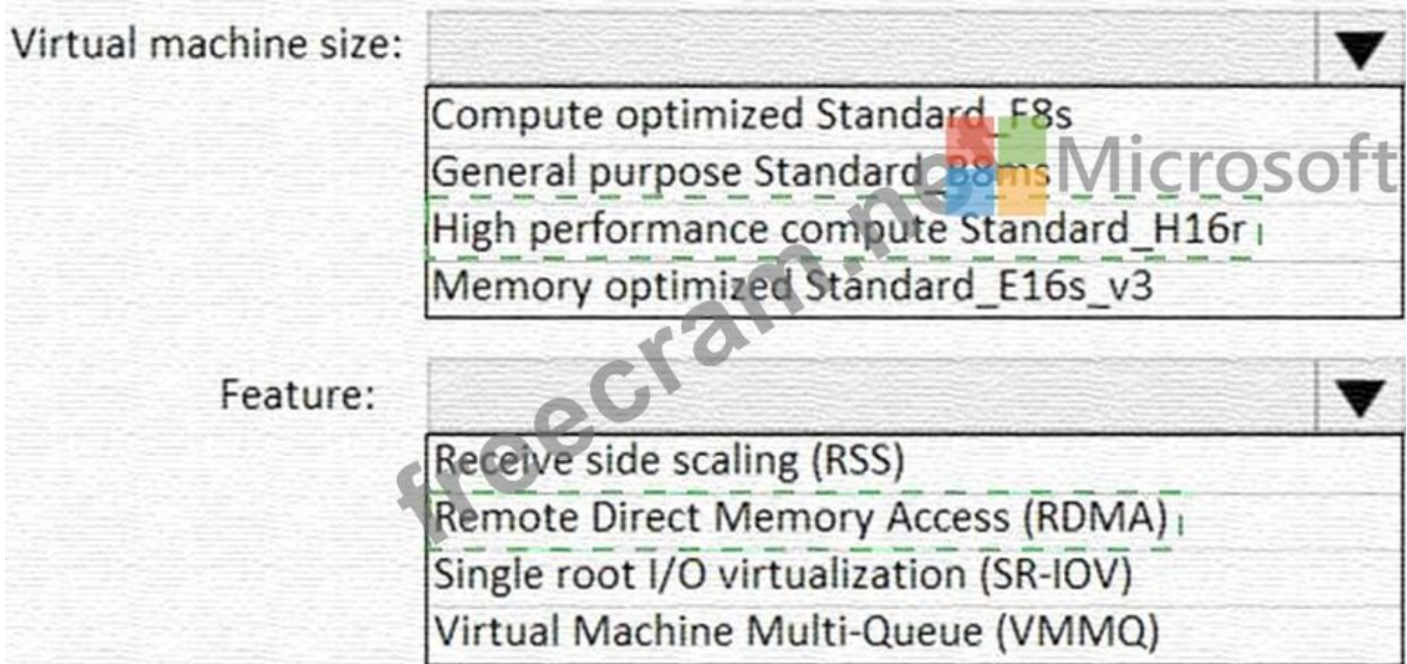
- * Minimizes the use of the virtual machine processors to transfer data
- * Minimizes network latency

Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

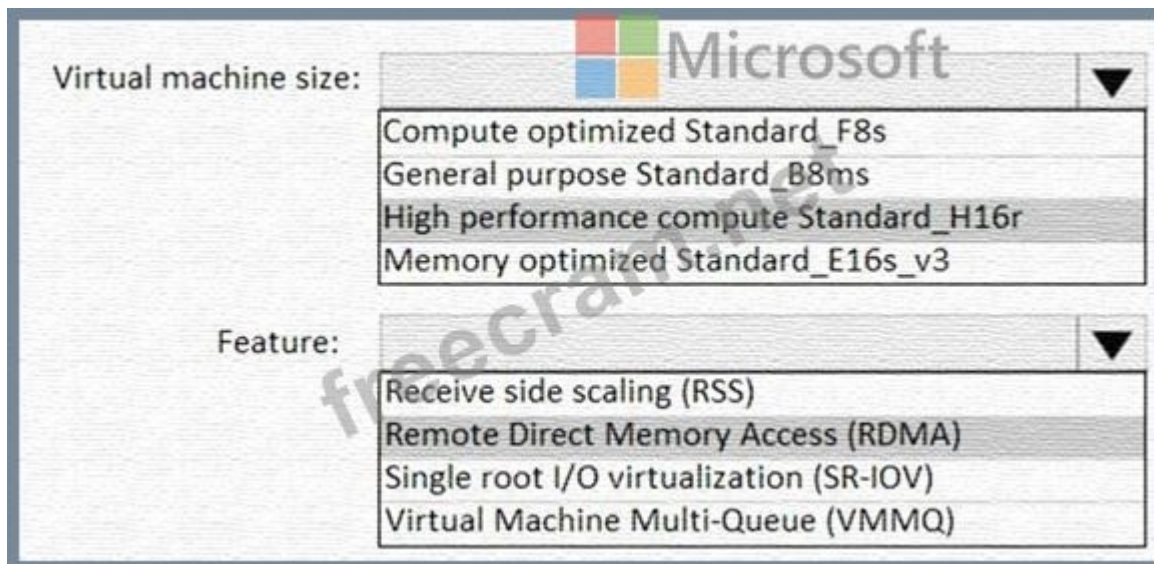


Answer:



Explanation

Graphical user interface, text, application Description automatically generated



References:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series>

NEW QUESTION: 7

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

Explanation

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->

NEW QUESTION: 8

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

* Support rate limiting.

* Balance requests between all instances.

* Ensure that users can access the app in the event of a regional outage.

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

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

You need to recommend a solution that meets the file storage requirements for App2.

What should you deploy to the Azure subscription and the on-premises network? To answer, drag the appropriate services to the correct locations. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Services

 Azure Blob Storage

Azure Data Box

Azure Data Box Gateway

Azure Data Lake Storage

Azure File Sync

Azure Files

**Answer:
Services**

Azure Blob Storage

Azure Data Box

Azure Data Box Gateway

Azure Data Lake Storage

Azure File Sync

Azure Files

Answer Area

Azure subscription:

Service

On-premises network:

Service

Answer Area

 Microsoft

Azure subscription:

Azure Files

On-premises network:

Azure File Sync

Explanation

Graphical user interface, application Description automatically generated



Box 1: Azure Files

Scenario: App2 has the following file storage requirements:

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

Box 2: Azure File Sync

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

Reference:

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

NEW QUESTION: 10

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: (SHOW ANSWER)

Explanation

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

Reference:

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

NEW QUESTION: 11

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

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

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

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

NOTE: Each correct selection is worth one point.

| | | | | | | | | | | | | | |
|--------------------------------|--|--|---|------------------------|--|--------------------|--|--------|--|--------------------------------|--|--------------|--|
| Databricks SKU: | <table border="1"><tr><td></td><td>▼</td></tr><tr><td colspan="2">Premium</td></tr><tr><td colspan="2">Standard</td></tr></table> | | ▼ | Premium | | Standard | | | | | | | |
| | ▼ | | | | | | | | | | | | |
| Premium | | | | | | | | | | | | | |
| Standard | | | | | | | | | | | | | |
| Cluster configuration: | <table border="1"><tr><td></td><td>▼</td></tr><tr><td colspan="2">Credential passthrough</td></tr><tr><td colspan="2">Managed identities</td></tr><tr><td colspan="2">MLflow</td></tr><tr><td colspan="2">A runtime that contains Photon</td></tr><tr><td colspan="2">Secret scope</td></tr></table> | | ▼ | Credential passthrough | | Managed identities | | MLflow | | A runtime that contains Photon | | Secret scope | |
| | ▼ | | | | | | | | | | | | |
| Credential passthrough | | | | | | | | | | | | | |
| Managed identities | | | | | | | | | | | | | |
| MLflow | | | | | | | | | | | | | |
| A runtime that contains Photon | | | | | | | | | | | | | |
| Secret scope | | | | | | | | | | | | | |

Answer:

Databricks SKU: Premium, Standard

Cluster configuration: Credential passthrough, Managed identities, MLflow, A runtime that contains Photon, Secret scope

Explanation

Box 1: Standard

Choose Standard to minimize costs.

Box 2: Credential passthrough

Athenticate automatically to Azure Data Lake Storage Gen1 (ADLS Gen1) and Azure Data Lake Storage Gen2 (ADLS Gen2) from Azure Databricks clusters using the same Azure Active Directory (Azure AD) identity that you use to log into Azure Databricks. When you enable Azure Data Lake Storage credential passthrough for your cluster, commands that you run on that cluster can read and write data in Azure Data Lake Storage without requiring you to configure service principal credentials for access to storage.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/security/credential-passthrough/adls-passthrough>

NEW QUESTION: 12

You store web access logs data in Azure Blob storage.

You plan to generate monthly reports from the access logs.

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

What should you include in the recommendation?

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

Answer: (SHOW ANSWER)

Explanation

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

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

NEW QUESTION: 13

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

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

What should you recommend?

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

Answer: (SHOW ANSWER)

Explanation

Blob Storage: Stores large amounts of unstructured data, such as text or binary data, that can be accessed from anywhere in the world via HTTP or HTTPS. You can use Blob storage to expose data publicly to the world, or to store application data privately.

Max file in Blob Storage. 4.77 TB.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/solution-ideas/articles/digital-media-video>

NEW QUESTION: 14

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: ([SHOW ANSWER](#))

Reference:

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

NEW QUESTION: 15

Your company, named Contoso, Ltd., implements several Azure logic apps that have HTTP triggers. The logic apps provide access to an on-premises web service.

Contoso establishes a partnership with another company named Fabrikam. Incl Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users.

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

You need to design a solution to provide the Fabrikam developers with access to the logic apps.

The solution must meet the following requirements:

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

What should you include in the solution?

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

Answer: ([SHOW ANSWER](#))

Explanation

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

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

Reference:

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

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

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

NEW QUESTION: 16

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

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

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

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

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

Answer:

Answer Area

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

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

Explanation

Graphical user interface, text, application Description automatically generated

Answer Area

Authentication: Application registration in Azure AD

Authorization: Azure role-based access control (Azure RBAC)

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NEW QUESTION: 17

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: ([SHOW ANSWER](#))

Explanation

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

Note:

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

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

Reference:

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

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

NEW QUESTION: 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.

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

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs.

Solution: Install and configure the Microsoft Monitoring Agent and the Dependency Agent on all VMs. Use the Wire Data solution in Azure Monitor to analyze the network traffic.

Does the solution meet the goal?

A. Yes

B. No

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

Explanation

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

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

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: 19

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

You have an on-premises datacenter that does NOT have a VPN connection to Subscription1.

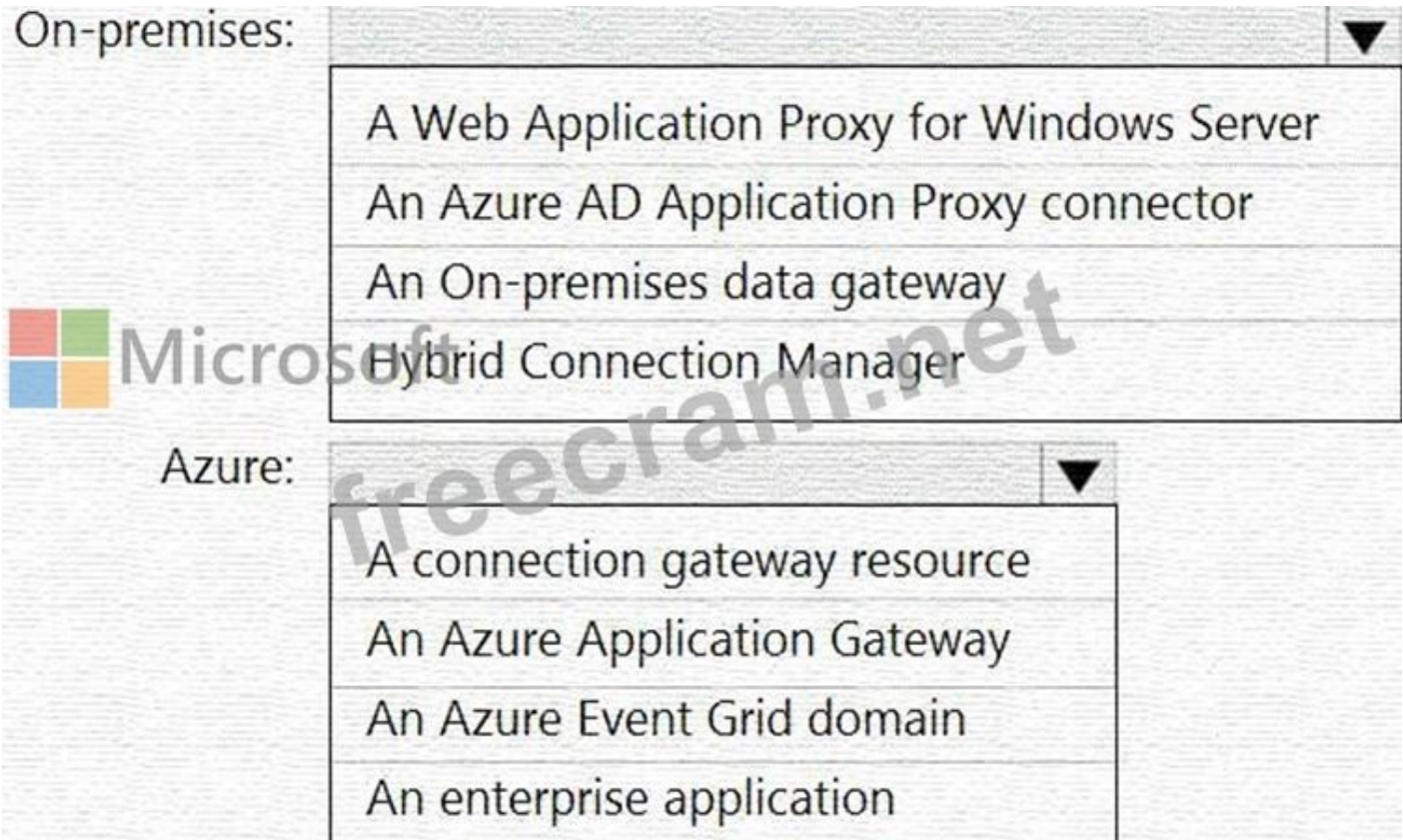
The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server1 is prevented from accessing the internet.

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

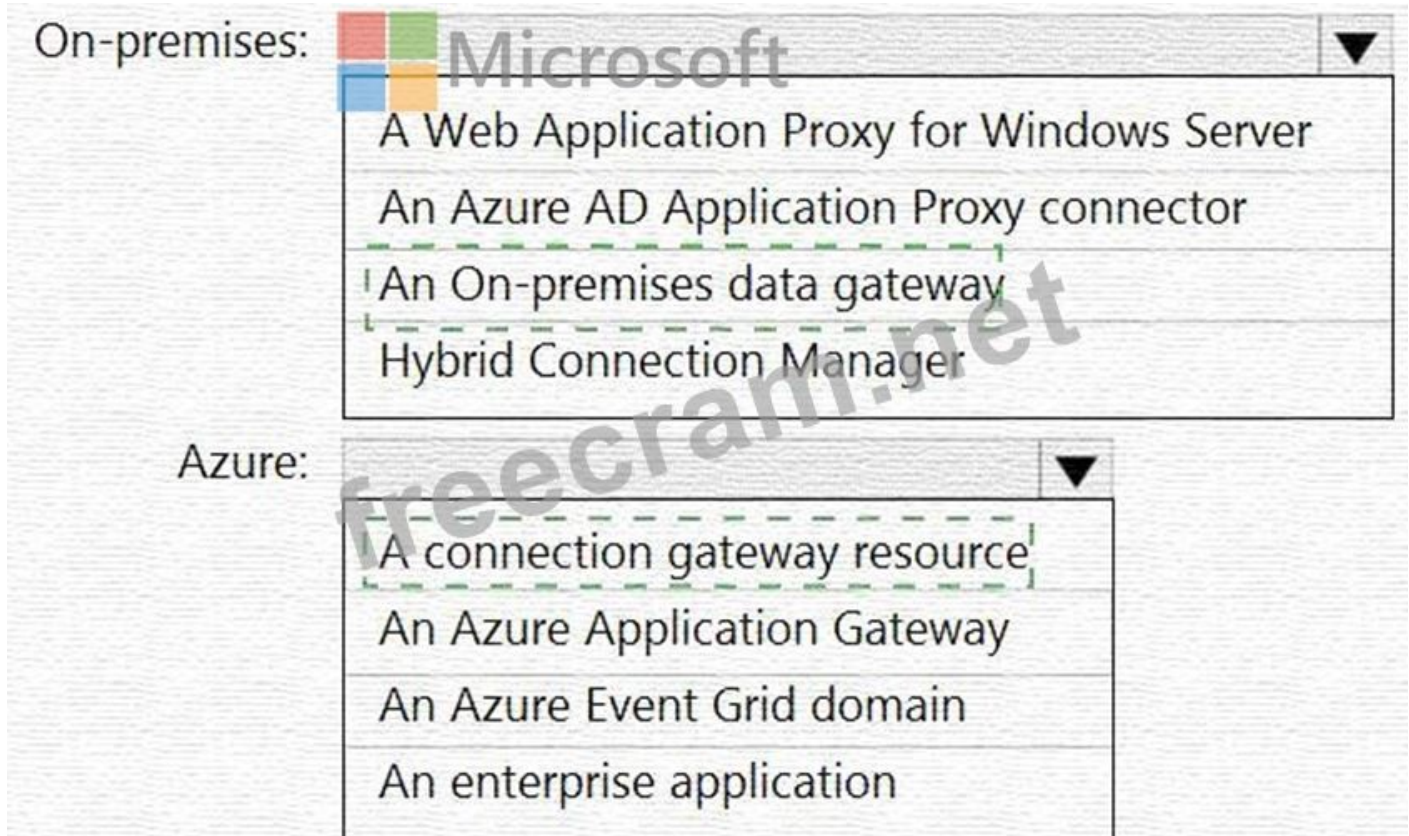
You need to recommend a solution to provide LogicApp1 with the ability to access Server1.

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

NOTE: Each correct selection is worth one point.

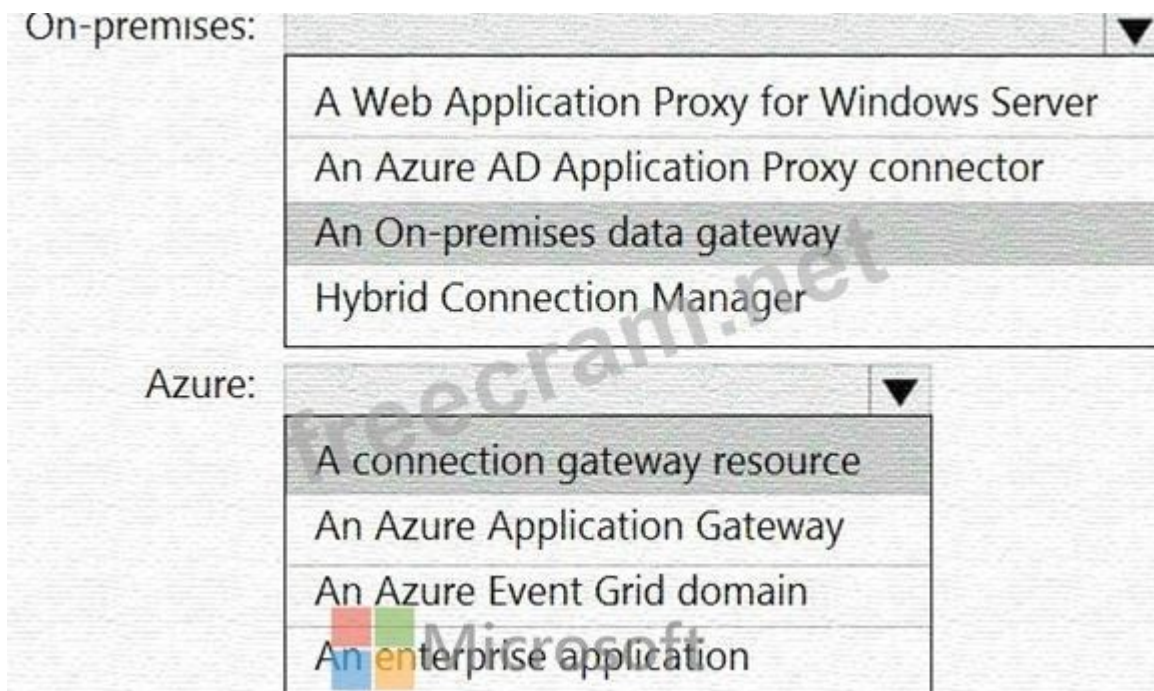


Answer:



Explanation

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



Box 1: An on-premises data gateway

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

Box 2: A connection gateway resource

Reference:

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

NEW QUESTION: 20

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

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

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

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

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

NEW QUESTION: 21

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

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

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

The solution must meet the following requirements:

- * Allow independent upgrades to each microservice
- * Deploy the solution on-premises and to Azure
- * Set policies for performing automatic repairs to the microservices
- * Support low-latency and hyper-scale operations

You need to recommend a technology.

What should you recommend?

- A. Azure Service Fabric
- B. Azure Container Service
- C. Azure Container Instance
- D. Azure Virtual Machine Scale Set

Answer: ([SHOW ANSWER](#))

Explanation

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

NEW QUESTION: 23

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

To provide access to virtual machines on VNET1, use:

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

To enforce Azure MFA, use:

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

Answer:

Answer Area

To provide access to virtual machines on VNET1, use:

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

To enforce Azure MFA, use:

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

Explanation

To provide access to virtual machines on VNET1, use: Just-in-time (JIT) VM access

To enforce Azure MFA, use: An Azure Identity Governance access package

NEW QUESTION: 24

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)

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#learn-about-access-reviews> Have reviews recur periodically: You can set up recurring access

reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review.

Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.

An administrator creates an access review of 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-s> 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-> 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/22> Implementing Azure AD PIM is no solution and absolutely not necessary for access reviews.

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#where-do-you-cre>

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)

Explanation

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.h>

NEW QUESTION: 26

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 *

Authorization endpoint URL

✓

Support state parameter

Authorization request method

GET

POST

Token endpoint URL *

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].

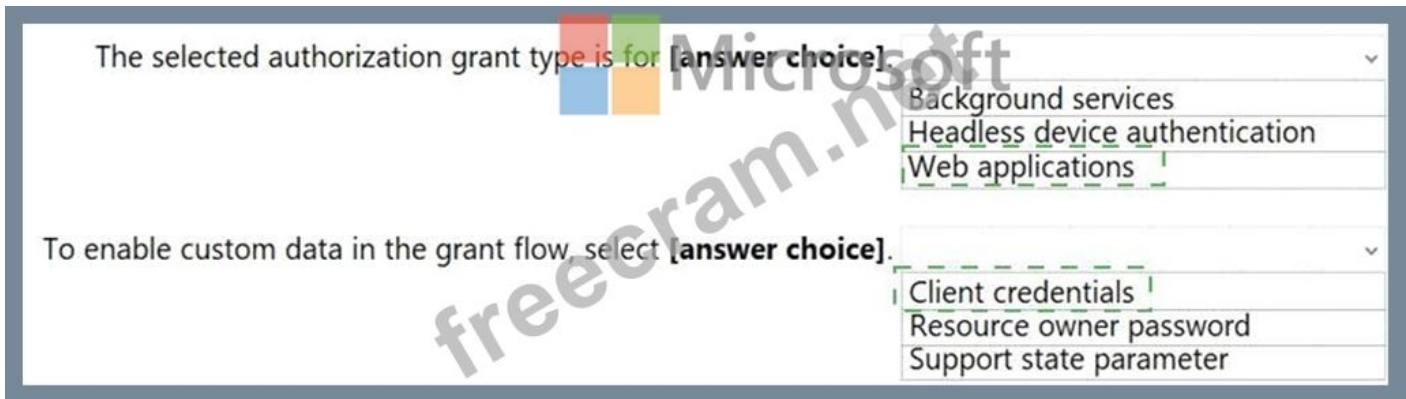


- Background services
- Headless device authentication
- Web applications

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

- Client credentials
- Resource owner password
- Support state parameter

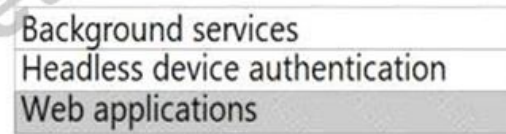
Answer:



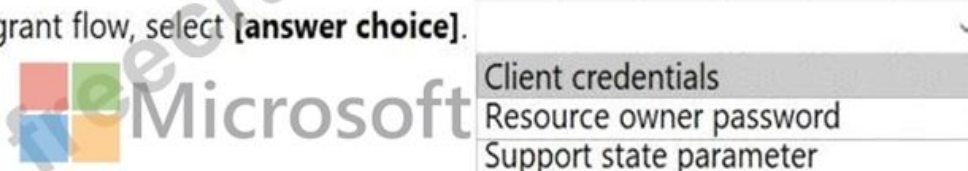
Explanation

Graphical user interface, text, application, email Description automatically generated

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



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



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: 27

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.

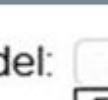
Purchase model:  Microsoft

- 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:  Microsoft

- 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:  Microsoft

- 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: 28

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

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

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

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

Each correct selection is worth one point.

Level at which to define the blueprints:

- The child management groups
- The root management group
- The subscriptions

Level at which to create the blueprint assignments:

- The child management groups
- The root management group
- The subscriptions

Answer:

Level at which to define the blueprints:

- The child management groups
- The root management group
- The subscriptions

Level at which to create the blueprint assignments:

- The child management groups
- The root management group
- The subscriptions

Explanation

1. Root management group
2. The subscriptions

Reference: <https://docs.microsoft.com/en-us/azure/governance/blueprints/create-blueprint-portal>
Assign a blueprint After a blueprint has been published, it can be assigned to a subscription.
Assign the blueprint that you created to one of the subscriptions under your management group hierarchy. If the blueprint is saved to a subscription, it can only be assigned to that subscription.

NEW QUESTION: 29

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

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

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

- * Minimize maintenance overhead.
- * Minimize costs.

What should you include in the recommendation?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

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: ([SHOW ANSWER](#))

Explanation

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: 31

You need to recommend a solution that meets the data requirements for App1.

What should you recommend deploying to each availability zone that contains an instance of App1?

- A. an Azure Cosmos DB that uses multi-region writes
- B. an Azure Data Lake store that uses geo-zone-redundant storage (GZRS)
- C. an Azure SQL database that uses active geo-replication

D. an Azure Storage account that uses geo-zone-redundant storage (GZRS)

Answer: ([SHOW ANSWER](#))

Explanation

Scenario: 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.

Azure Cosmos DB: Each partition across all the regions is replicated. Each region contains all the data partitions of an Azure Cosmos container and can serve reads as well as serve writes when multi-region writes is enabled.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/high-availability>

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NEW QUESTION: 32

You have an Azure subscription that contains 300 Azure virtual machines that run Windows Server 2016.

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

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

NOTE: Each correct selection is worth one point.

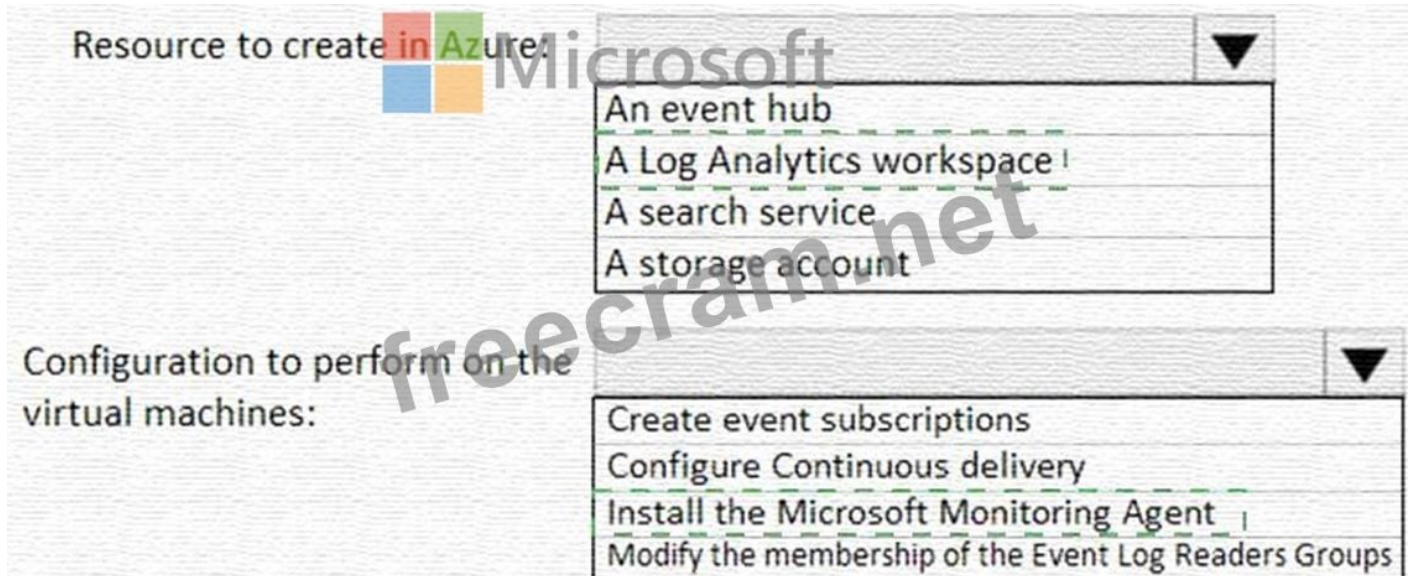
Resource to create in Azure:

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

Configuration to perform on the virtual machines:

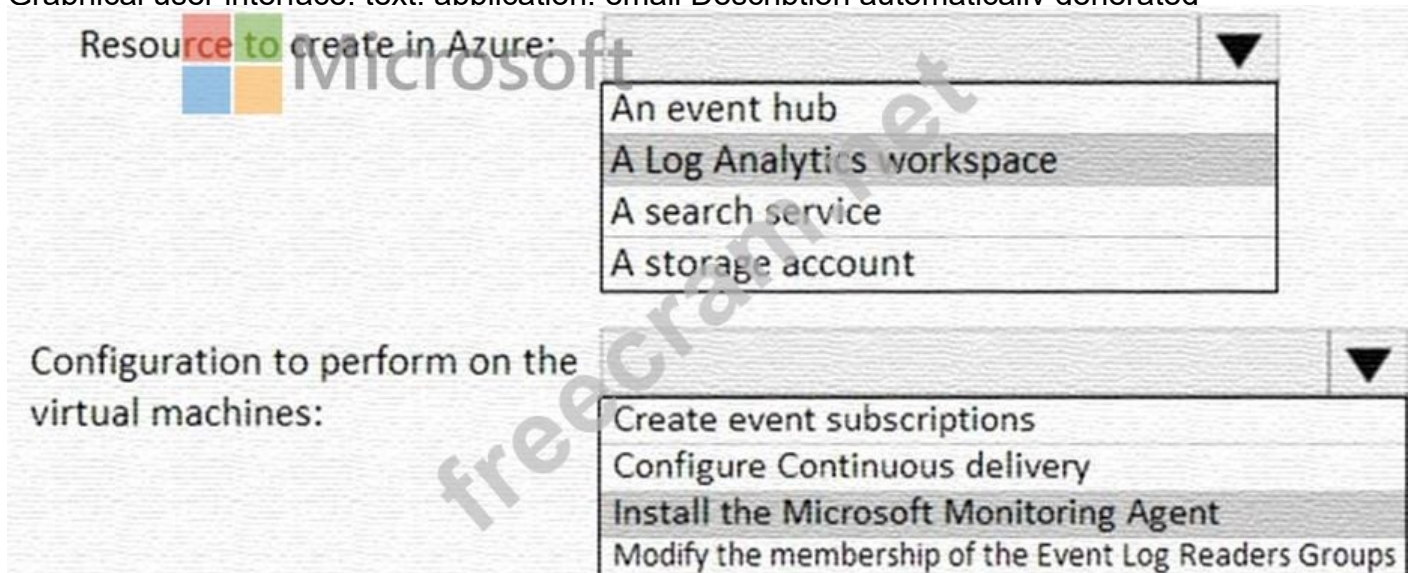
- Create event subscriptions
- Configure Continuous delivery
- Install the Microsoft Monitoring Agent
- Modify the membership of the Event Log Readers Groups

Answer:



Explanation

Graphical user interface. text. application. email Description automatically generated



References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events>

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agent-windows>

NEW QUESTION: 33

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: ([SHOW ANSWER](#))

Explanation

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

NEW QUESTION: 34

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

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

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

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions.

The resources for the App Service instances must reside in the same region.

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

Solution: You recommend creating resource groups based on locations and implementing resource locks on the resource groups.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

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

Reference:

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

NEW QUESTION: 35

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



Microsoft

Azure SQL product:

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

Service tier:

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

Answer:

Answer Area



Microsoft

Azure SQL product:

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

Service tier:

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

Explanation

A screenshot of a computer Description automatically generated



"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>

NEW QUESTION: 36

You have the resources shown in the following table.

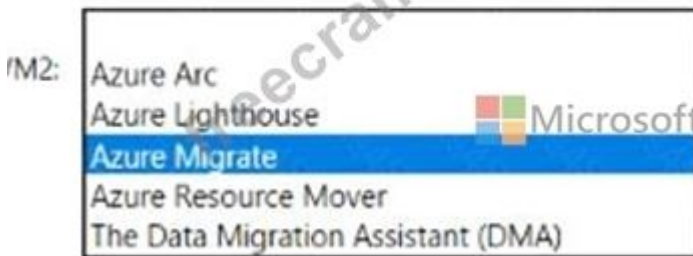
| Name | Type | Resource group |
|------|-----------------------------|----------------|
| VM1 | Azure virtual machine | RG1 |
| VM2 | On-premises virtual machine | Not applicable |

You create a new resource group in Azure named RG2.

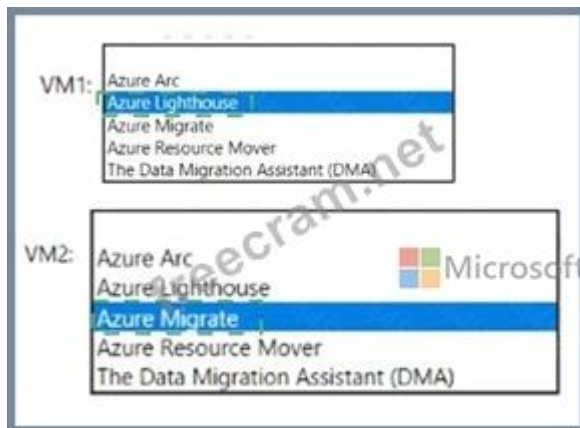
You need to move the virtual machines to RG2.

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.



Answer:



Explanation



NEW QUESTION: 37

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:

Explanation

NEW QUESTION: 38

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 39

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.

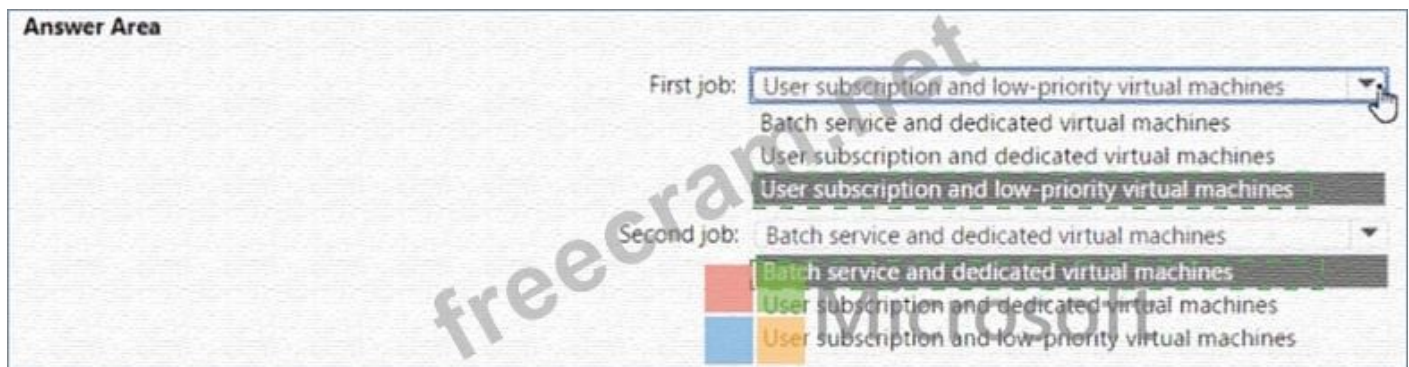
You need to recommend the pool type and node type for each job type. The solution must minimize compute charges and leverage Azure Hybrid Benefit whenever possible.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation

Graphical user interface, text, application Description automatically generated



NEW QUESTION: 40

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: (SHOW ANSWER)

Explanation

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>

NEW QUESTION: 41

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

- A. Microsoft Sentinel
- B. Azure Application Insights
- C. Container insights
- D. VM insights

Answer: (SHOW ANSWER)

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.

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.

NEW QUESTION: 42

You have an Azure subscription.

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

To run the containerized apps:

For the lifecycle management and storage of container images:

Answer:
Answer Area

To run the containerized apps:

For the lifecycle management and storage of container images:

Explanation

Answer Area

To run the containerized apps:

For the lifecycle management and storage of container images:

NEW QUESTION: 43

You are designing an Azure web app.

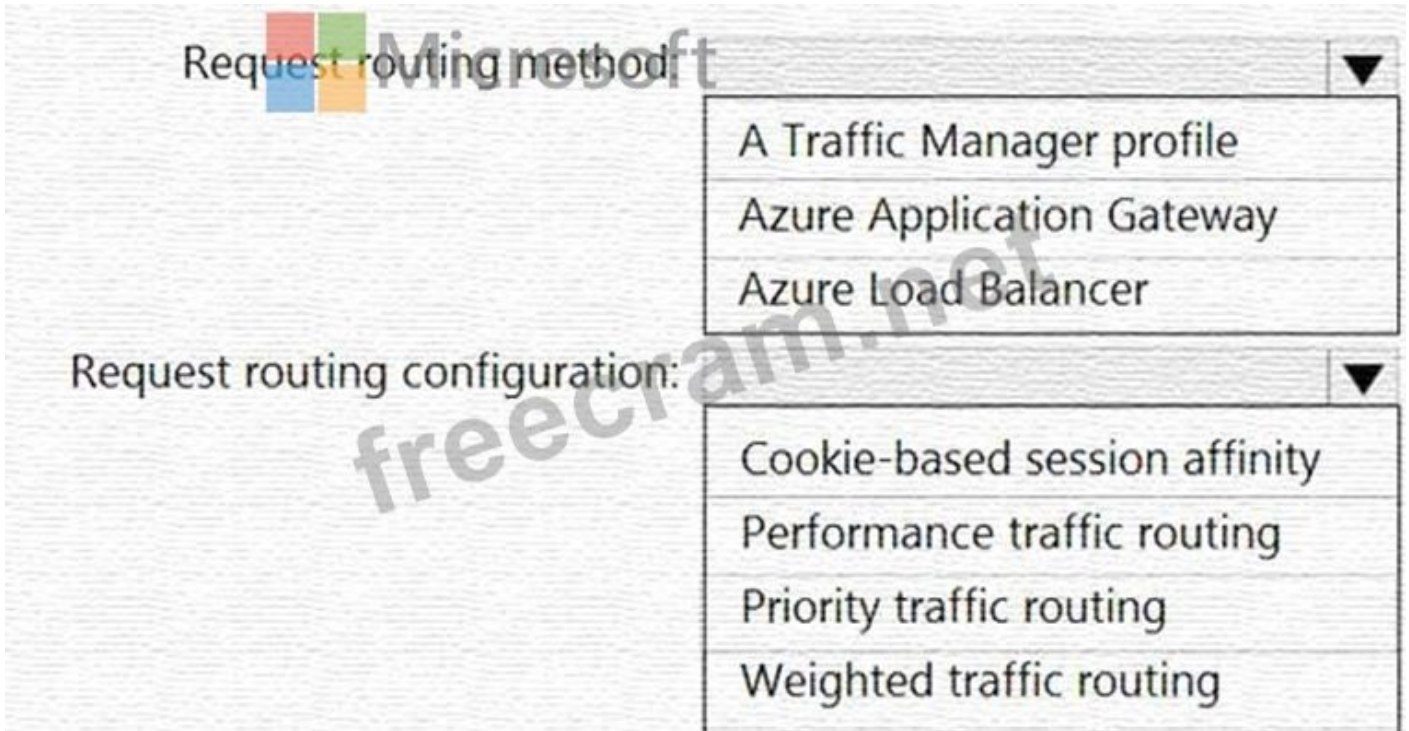
You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region.

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

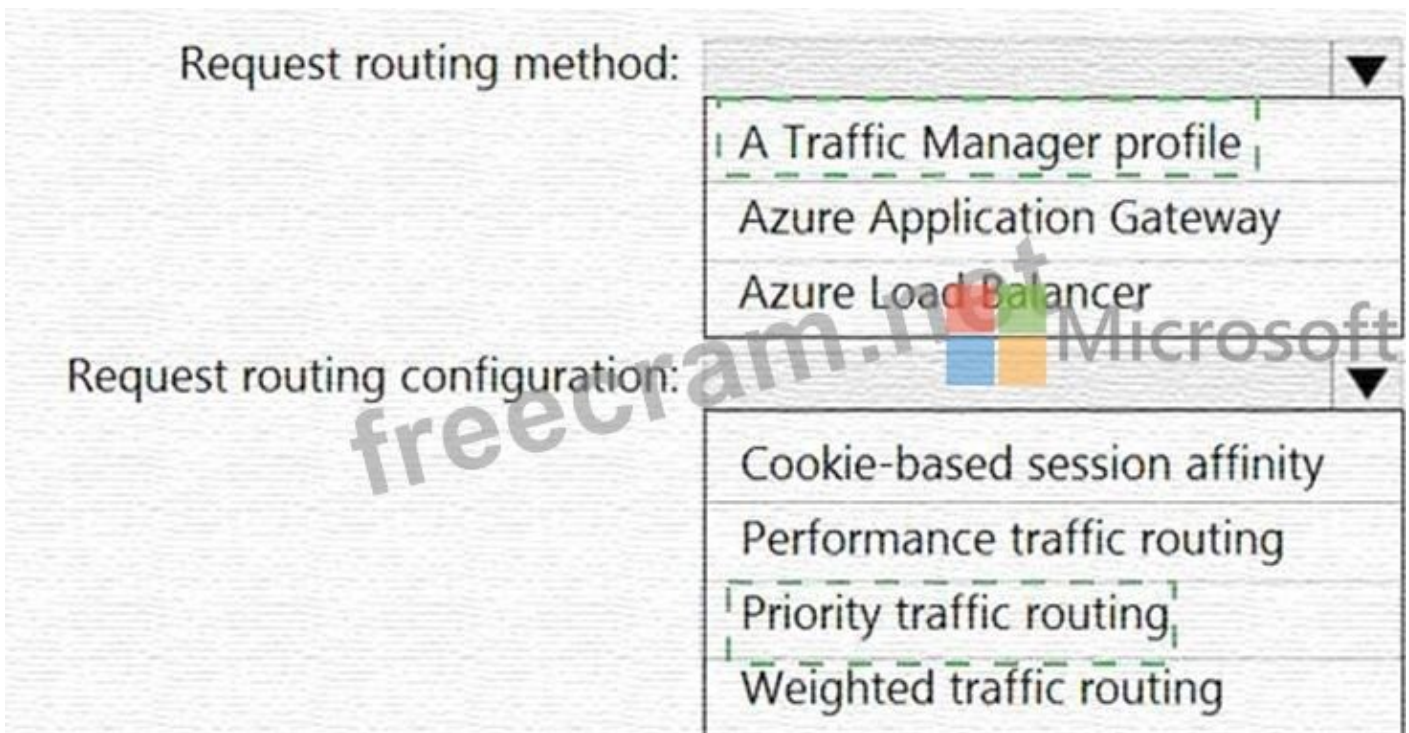
- * Users must always access the web app from the North Europe region, unless the region fails.
- * The web app must be available to users if an Azure region is unavailable.
- * Deployment costs must be minimized.

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

NOTE: Each correct selection is worth one point.

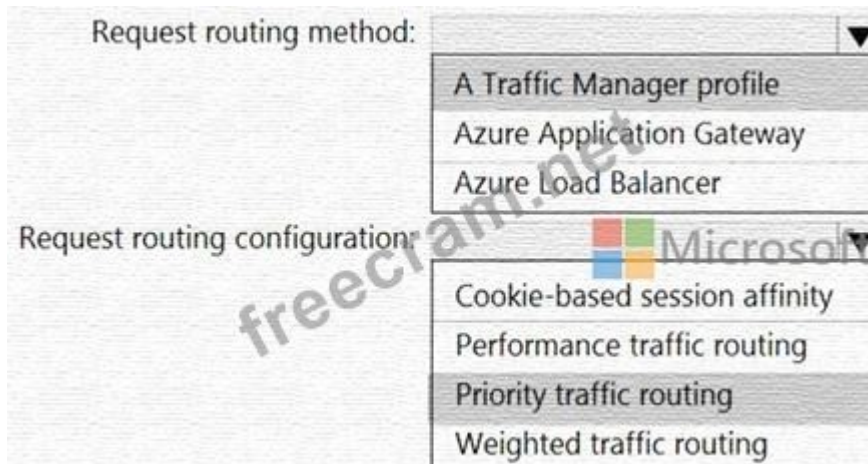


Answer:



Explanation

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



[https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods#priority-traffic-routing-](https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods#priority-traffic-routing)

NEW QUESTION: 44

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: (SHOW ANSWER)

Explanation

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>

NEW QUESTION: 45

How should the migrated databases DB1 and DB2 be implemented in Azure?

Microsoft

Database: ▼

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

Service tier: ▼

- Hyperscale
- Business Critical
- General Purpose

Answer:

Microsoft

Database: ▼

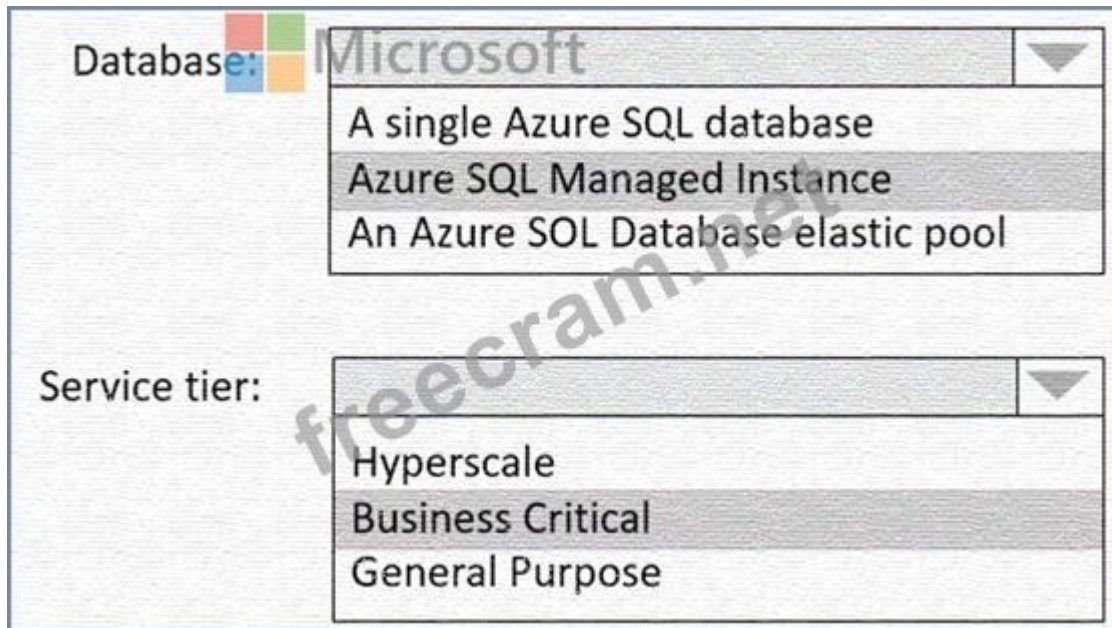
- A single Azure SQL database
- Azure SQL Managed Instance
- An Azure SQL Database elastic pool

Service tier: ▼

- Hyperscale
- Business Critical
- General Purpose

Explanation

Table Description automatically generated



Box 1: SQL Managed Instance

Scenario: 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.

The auto-failover groups feature allows you to manage the replication and failover of a group of databases on a server or all databases in a managed instance to another region. It is a declarative abstraction on top of the existing active geo-replication feature, designed to simplify deployment and management of geo-replicated databases at scale. You can initiate a geo-failover manually or you can delegate it to the Azure service based on a user-defined policy. The latter option allows you to automatically recover multiple related databases in a secondary region after a catastrophic failure or other unplanned event that results in full or partial loss of the SQL Database or SQL Managed Instance availability in the primary region.

Box 2: Business critical

SQL Managed Instance is available in two service tiers:

General purpose: Designed for applications with typical performance and I/O latency requirements.

Business critical: Designed for applications with low I/O latency requirements and minimal impact of underlying maintenance operations on the workload.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview>

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

NEW QUESTION: 46

You have an Azure subscription. The subscription contains 100 virtual machines that are Windows Server.

You need to recommend a solution that will provide monitoring and an audit trail of the following

modifications:

- * Changes to the Windows registry on the virtual machines
- * Changes to the DNS settings of the virtual machines

The solution must minimize administrative effort.


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

NOTE: Each correct selection is worth one point.

Answer Area

Windows registry changes:

DNS settings changes:




Answer:

Answer Area


Windows registry changes:

DNS settings changes:



Explanation

Answer Area

 Windows registry changes:

DNS settings changes:

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NEW QUESTION: 47

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: ([SHOW ANSWER](#))

Explanation

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: 48

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 Appl. 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.

The screenshot shows a Microsoft interface with two panes. The left pane, titled "Services", contains a list of four items: "Azure Blob storage", "Azure Cosmos DB", "Azure SQL Database", and "Azure Table storage". The right pane, titled "Answer Area", contains two input fields: "Image storage:" and "Customer accounts:". The "Image storage:" field is empty, and the "Customer accounts:" field is also empty.

Answer:

The screenshot shows the same Microsoft interface as above, but with the correct selections. In the "Services" list, "Azure Blob storage" and "Azure Cosmos DB" are highlighted with dashed green boxes. In the "Answer Area", the "Image storage:" field contains "Azure Blob storage" and the "Customer accounts:" field contains "Azure Cosmos DB".

Explanation

The screenshot shows the same Microsoft interface as above, but with the correct selections. In the "Services" list, "Azure Blob storage" and "Azure Cosmos DB" are highlighted with dashed green boxes. In the "Answer Area", the "Image storage:" field contains "Azure Blob storage" and the "Customer accounts:" field contains "Azure Cosmos DB".

NEW QUESTION: 49

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)

Explanation

<https://docs.microsoft.com/en-us/azure/azure-sql/database/long-term-retention-overview> In Azure SQL Database, you can configure a database with a long-term backup retention policy (LTR) to automatically retain the database backups in separate Azure Blob storage containers for up to 10 years

NEW QUESTION: 50

You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information environment, owner, department and cost center. You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

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

Answer: ([SHOW ANSWER](#))

Explanation

You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization.

Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.

Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:

Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles and access permissions for resource management.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging>

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

NEW QUESTION: 51

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. Continuous Integration/Continuous Deployment (CI/CD) sources
- C. deployment slots
- D. the Azure App Configuration service

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

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](#))

Explanation

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

Reference:

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

NEW QUESTION: 53

You deploy two instances of an Azure web app. One instance is in the East US Azure region and the other instance is in the West US Azure region. The web app uses Azure Blob storage to deliver large files to end users.

You need to recommend a solution for delivering the files to the users. The solution must meet the following requirements:

Ensure that the users receive files from the same region as the web app that they access.

Ensure that the files only need to be updated once.

Minimize costs.

What should you include in the recommendation?

- A. Distributed File System (DFS)
- B. read-access geo-redundant storage (RA-GRS)
- C. geo-redundant storage (GRS)
- D. Azure File Sync

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

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 checked="" type="radio"/> | <input type="radio"/> |
| You must provision an Azure Storage account for the Web site content storage. | <input type="radio"/> | <input checked="" type="radio"/> |
| You must provision an Azure Storage account for the Database metric monitoring. | <input checked="" type="radio"/> | <input type="radio"/> |

Explanation

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

NEW QUESTION: 55

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.

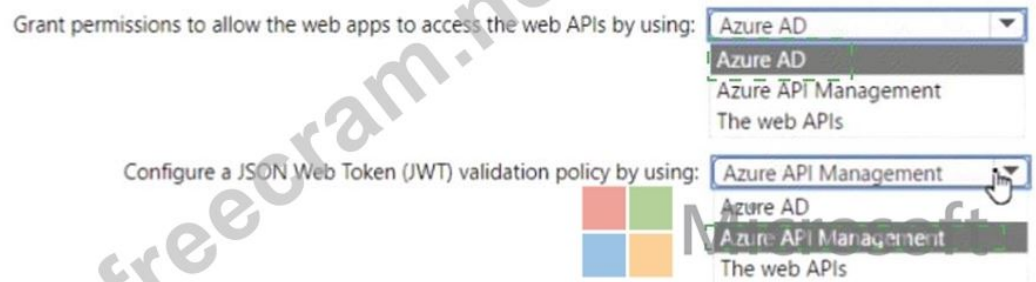
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area



Explanation

Graphical user interface, text Description automatically generated with medium confidence



NEW QUESTION: 56

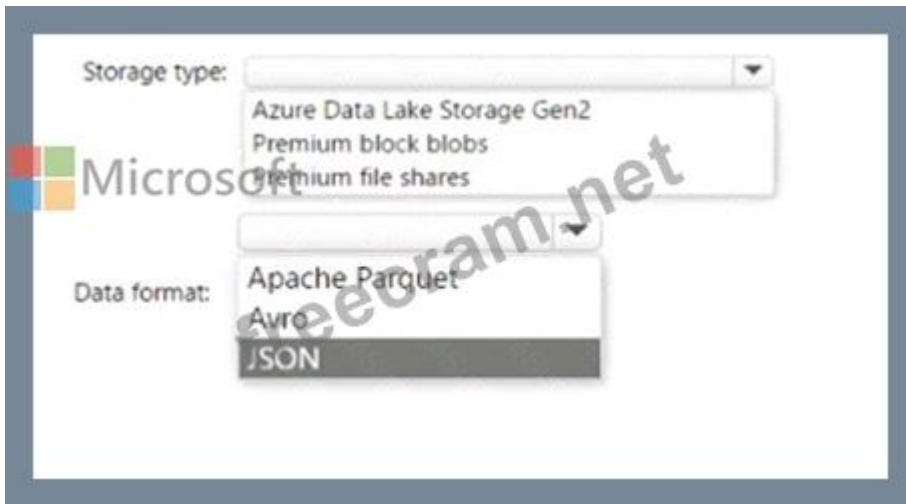
You have an app that generates 50,000 events daily.

You plan to Stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing Of the events Output Of Event Hubs Capture will be consumed by a reporting system.

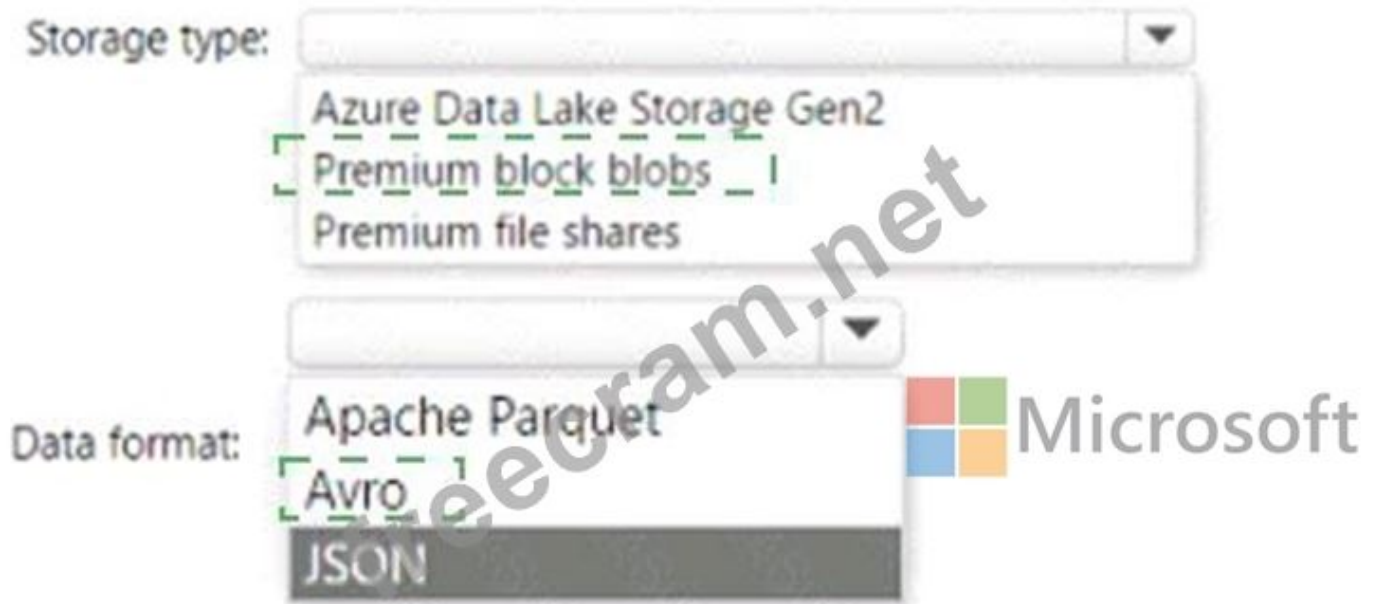
You need to identify which type of Azure storage must be provisioned to support Event Hubs Capture, and which inbound data format the reporting system must support.

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

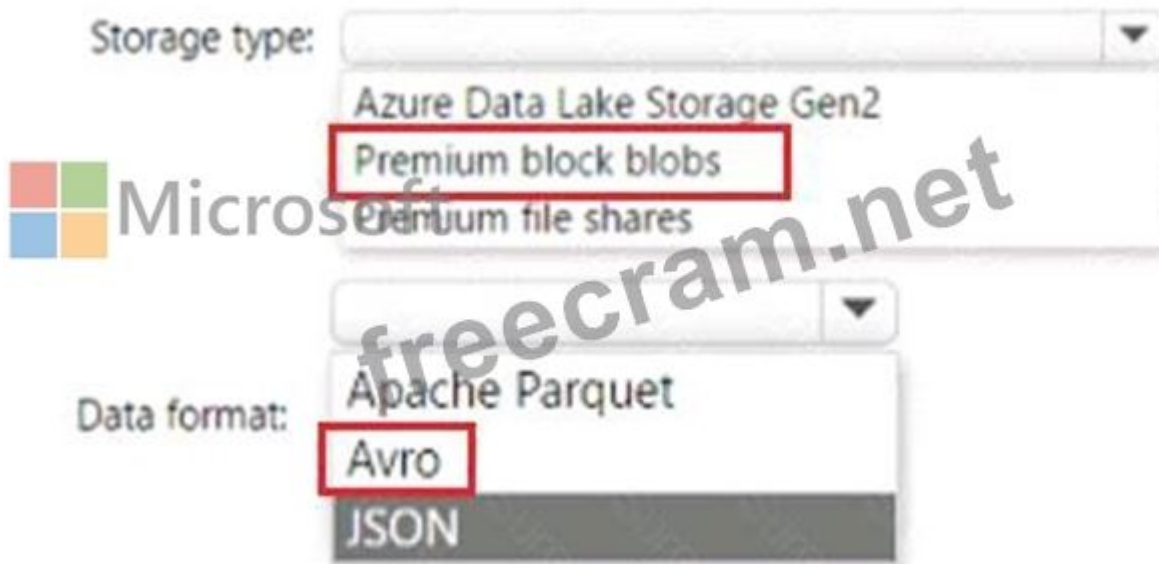
NOTE: Each correct selection is worth one point.



Answer:



Explanation



NEW QUESTION: 57

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)

Explanation

<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-trigg>

NEW QUESTION: 58

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: A (LEAVE A REPLY)

Explanation

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: 59

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

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

What should you include in the recommendation?

A. Azure Notification Hubs

B. Azure Data Lake

C. Azure Service Fabric

D. Azure Queue Storage

Answer: (SHOW ANSWER)

NEW QUESTION: 60

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.

Policies

- None
- ReadOnly
- ReadWrite

Answer Area

Log: Policy

Data: Policy

Answer:

Policies

- None
- ReadOnly
- ReadWrite

Answer Area

Log: None

Data: ReadOnly

Explanation

Graphical user interface, application Description automatically generated

Log: None

Data: ReadOnly

Microsoft

References:

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

NEW QUESTION: 61

You have an Azure subscription.

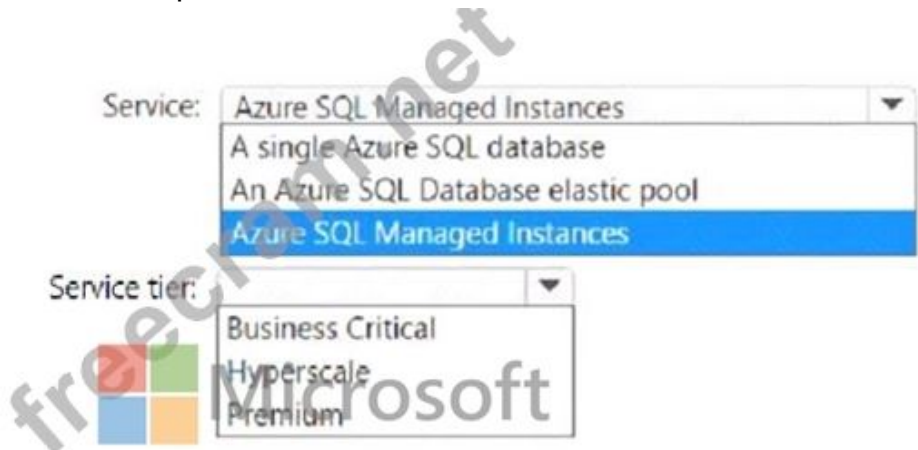
You need to deploy a relational database. The solution must meet the following requirements:

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

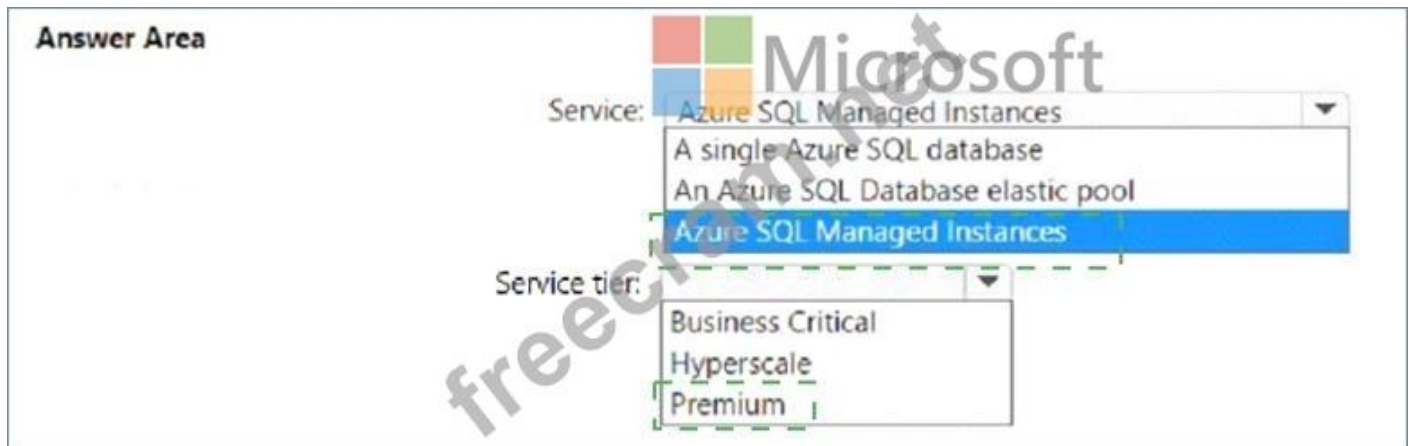
What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

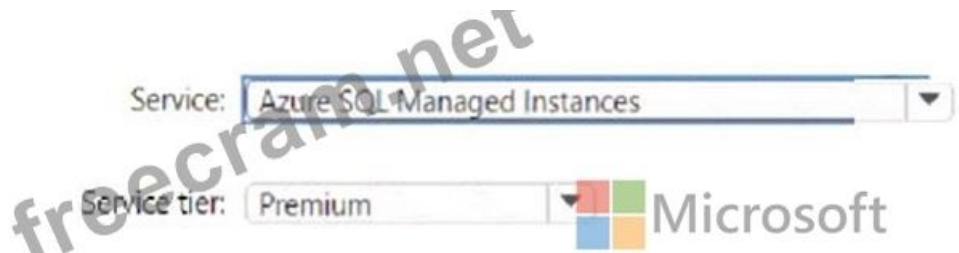


Answer:



Explanation

Answer Area



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NEW QUESTION: 62

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: ([SHOW ANSWER](#))

Explanation

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: 63

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 premium file share

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

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)

Explanation

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: 65

You have an Azure subscription.

Your on-premises network contains a file server named Server1. Server 1 stores 5 TB of company files that are accessed rarely.

You plan to copy the files to Azure Storage.

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

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

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

NOTE: Each correct selection is worth one point.

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

E. Create an Azure Blob storage account that is configured for the Cool default access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.

Answer: ([SHOW ANSWER](#))

Explanation

<https://docs.microsoft.com/en-us/azure/storage/blobs/manage-access-tier?tabs=portal>

NEW QUESTION: 66

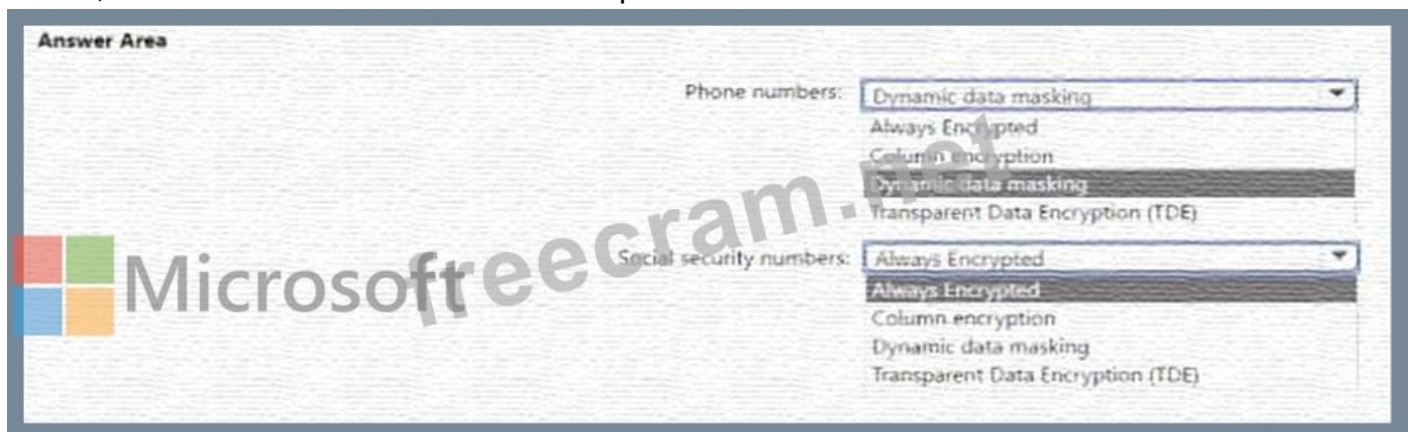
You have an Azure subscription. The subscription contains an Azure SQL managed instance that stores employee details, including social security numbers and phone numbers.

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

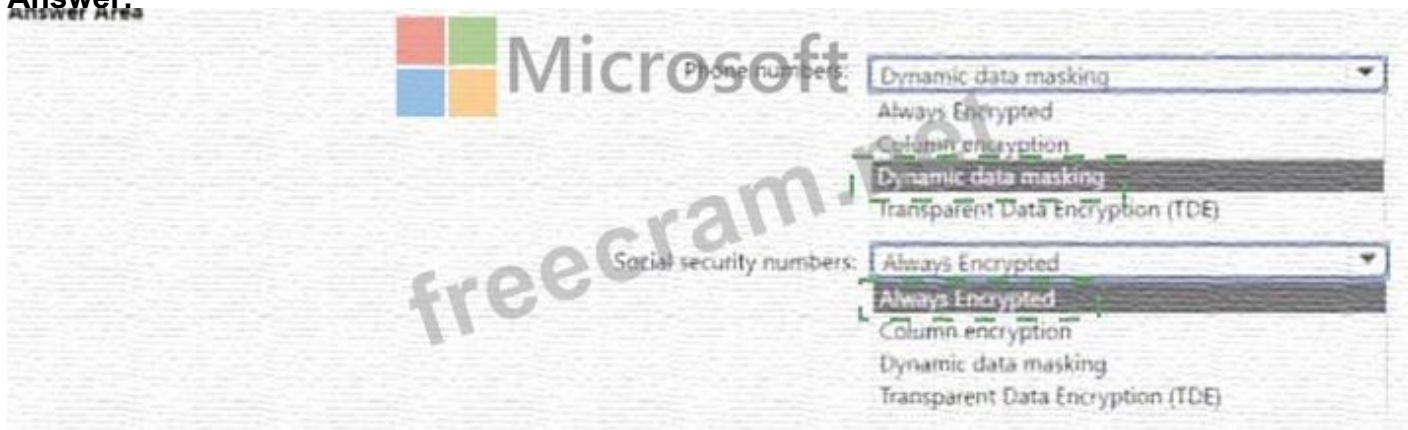
- * The helpdesk team must see only the last four digits of an employee's phone number.
- * Cloud administrators must be prevented from seeing the employee's social security numbers.

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: 67

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

You need to use Microsoft Cost Management to monitor costs on a per project basis. The solution must minimize administrative effort. Which two components should you include in the solution?

Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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

Answer: C,E (LEAVE A REPLY)

NEW QUESTION: 68

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.

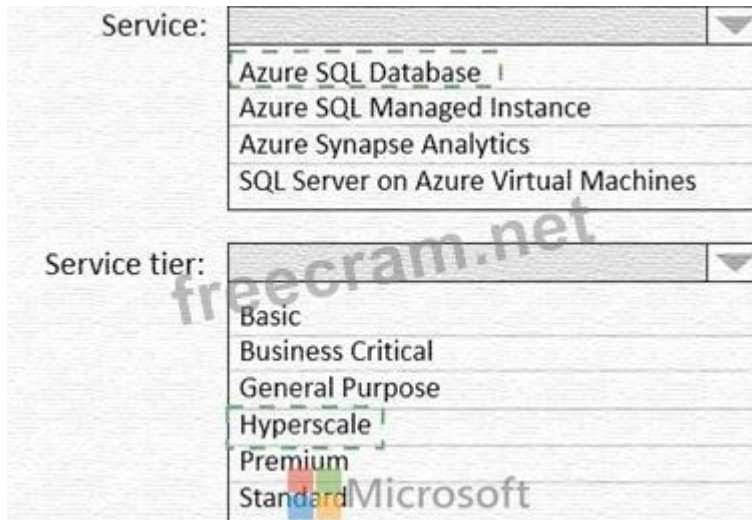
Service:

- 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

Answer:



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-compar>

NEW QUESTION: 69

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)

Explanation

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: 70

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

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

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

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

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

NOTE: Each correct selection is worth one point.

- A. Azure AD Privileged Identity Management (PIM)
- B. Azure Application Gateway

- C. Azure AD enterprise applications
- D. Azure AD Identity Protection
- E. Conditional Access policies

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 73

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](#))

Explanation

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

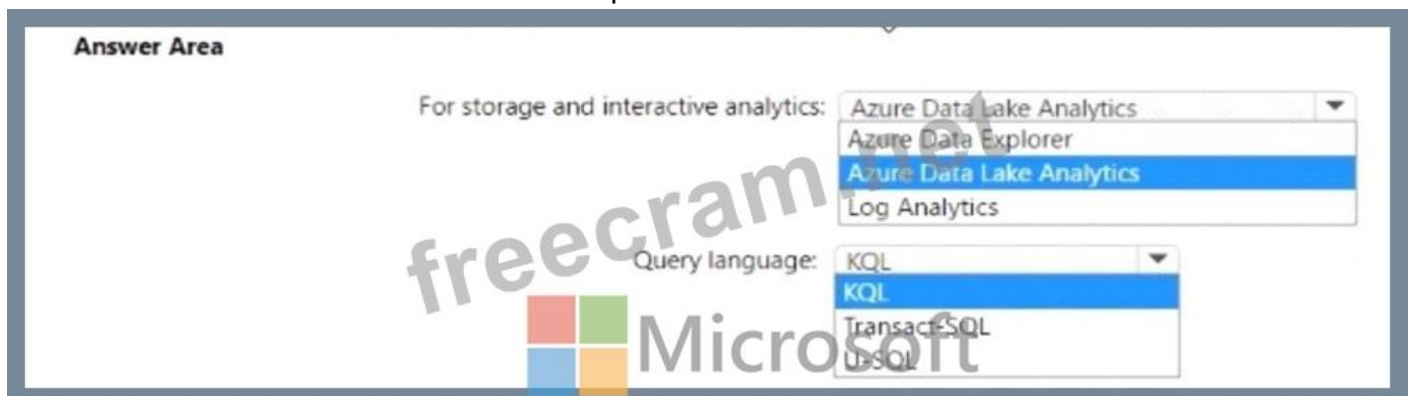
NEW QUESTION: 74

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

For storage and interactive analytics: Azure Data Lake Analytics
Azure Data Explorer
Azure Data Lake Analytics
Log Analytics

Query language: KQL
KQL
Transact-SQL
U-SQL

Explanation

Answer Area

For storage and interactive analytics: Azure Data Lake Analytics

Query language: KQL

NEW QUESTION: 75

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

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

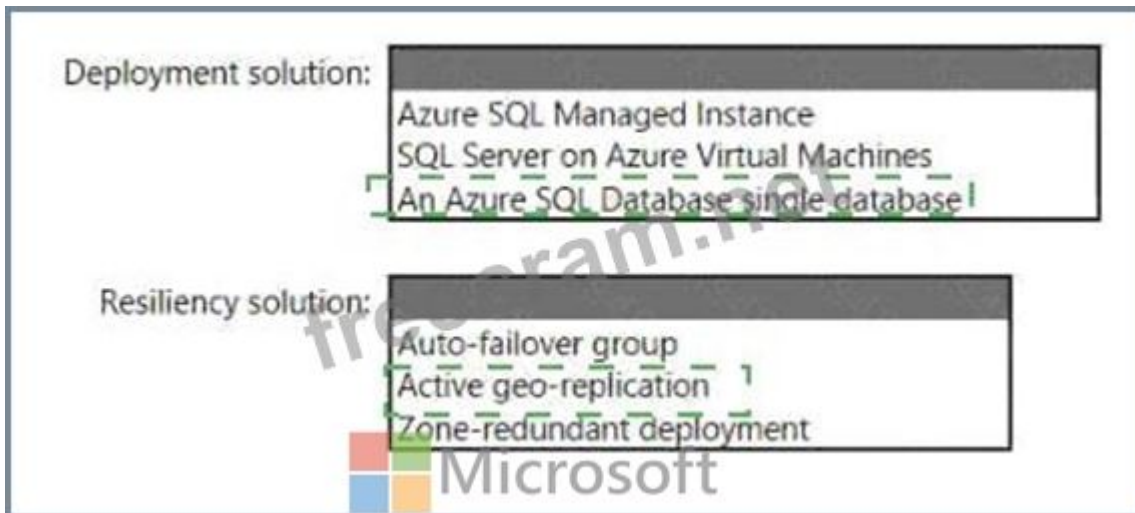
- * Supports user-initiated backups
 - * Supports multiple automatically replicated instances across Azure regions
 - * Minimizes administrative effort to implement and maintain business continuity
- What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Deployment solution:
Azure SQL Managed Instance
SQL Server on Azure Virtual Machines
An Azure SQL Database single database

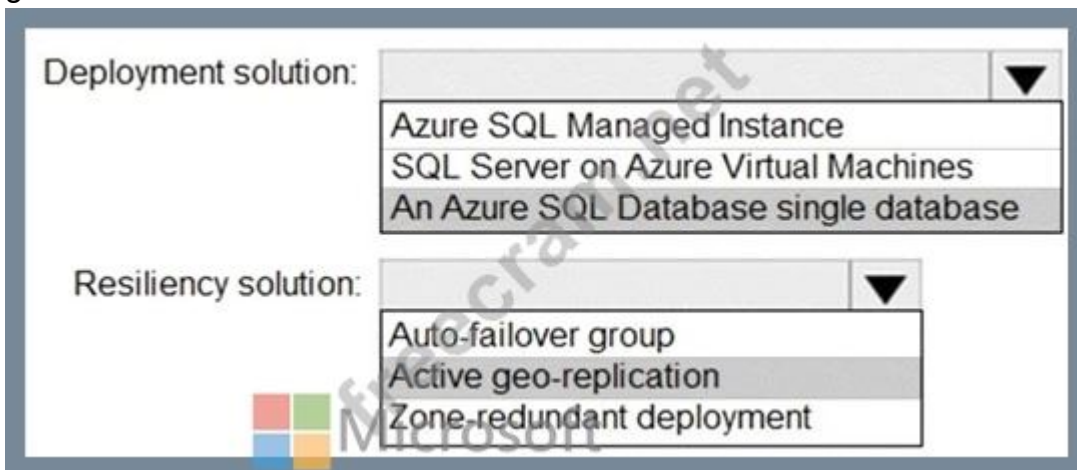
Resiliency solution:
Auto-failover group
Active geo-replication
Zone-redundant deployment

Answer:



Explanation

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



Box 1: An Azure SQL Database single database.

SQL Server Managed instance versus SQL Server Virtual Machines

Active geo-replication is not supported by Azure SQL Managed Instance.

Box 2: Active geo-replication

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.

Reference:

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

NEW QUESTION: 76

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:

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

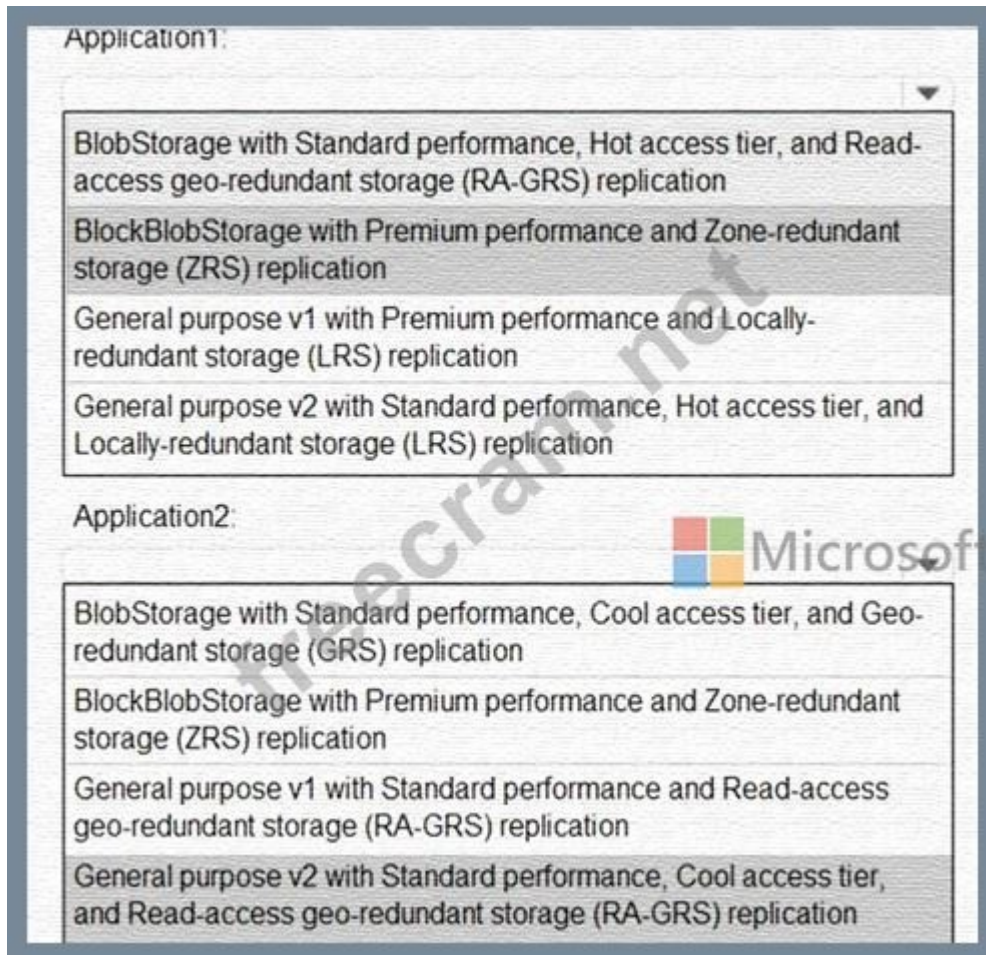
BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication

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

Explanation

Graphical user interface, text, application Description automatically generated



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

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

Premium: optimized for high transaction rates and single-digit consistent storage latency.

Box 2: General purpose v2 with Standard performance..

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

Reference:

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

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

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NEW QUESTION: 77

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 Area

For global load balancing:

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

As the ingress controller:

Azure Application Gateway
Azure Standard Load Balancer
Basic Azure Load Balancer

Answer:

Answer Area

For global load balancing:

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

As the ingress controller:

Azure Application Gateway
Azure Standard Load Balancer
Basic Azure Load Balancer

Explanation

Answer Area

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

As the ingress controller: Azure Application Gateway

NEW QUESTION: 78

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases. The solution must meet the following requirements:

- * The compute resources allocated to the databases must scale dynamically.
- * The solution must meet an SLA of 99.99% uptime.
- * The solution must have reserved capacity.
- * Compute charges must be minimized.

What should you include in the recommendation?

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

Answer: ([SHOW ANSWER](#))

Explanation

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

Guaranteed 99.995 percent uptime for SQL Database

Reference:

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

<https://azure.microsoft.com/en-us/pricing/details/sql-database/elastic/>

<https://www.azure.cn/en-us/support/sla/virtual-machines/>

<https://techcommunity.microsoft.com/t5/azure-sql/optimize-price-performance-with-compute-auto-scaling-in-azu>

NEW QUESTION: 79

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.** a resource token and an Access control (1AM) role assignment
- B.** certificates and Azure Key Vault
- C.** shared access signatures (SAS) and Conditional Access policies
- D.** master keys and Azure Information Protection policies

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

You have an Azure subscription.

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

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

Which scaling option should you recommend?

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

Answer: ([SHOW ANSWER](#))

Explanation


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

NEW QUESTION: 81

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: 82

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

deployed and configured for on-premises to Azure connectivity.

Several virtual machines exhibit network connectivity issues.

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

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

Does this meet the goal?

A. No

B. Yes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 83

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](#))

Explanation

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

For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance.

Connect to private endpoints with Azure Functions

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

Reference:

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

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

NEW QUESTION: 84

You are designing an Azure solution.

The network traffic for the solution must be securely distributed by providing the following features:

- * HTTPS protocol
- * Round robin routing
- * SSL offloading

You need to recommend a load balancing option.

What should you recommend?

- A.** Azure Load Balancer
- B.** Azure Traffic Manager
- C.** Azure Internal Load Balancer (ILB)
- D.** Azure Application Gateway

Answer: ([SHOW ANSWER](#))

Explanation

If you are looking for Transport Layer Security (TLS) protocol termination ("SSL offload") or per-HTTP/HTTPS request, application-layer processing, review Application Gateway.

Application Gateway is a layer 7 load balancer, which means it works only with web traffic (HTTP, HTTPS, WebSocket, and HTTP/2). It supports capabilities such as SSL termination, cookie-based session affinity, and round robin for load-balancing traffic. Load Balancer load-balances traffic at layer 4 (TCP or UDP).

References:

<https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq>

NEW QUESTION: 85

Your on-premises datacenter contains a server that runs Linux and hosts a Java app named Appl. App1 has the following characteristics:

- * App1 is an interactive app that users access by using HTTPS connections.
- * The number of connections to App1 changes significantly throughout the day.
- * App1 runs multiple concurrent instances.
- * App1 requires major changes to run in a container.

You plan to migrate App1 to Azure.

You need to recommend a compute solution for Appl. The solution must meet the following requirements:

- * The solution must run multiple instances of Appl.
- * The number of instances must be managed automatically depending on the load.
- * Administrative effort must be minimized.

What should you include in the recommendation?

- A.** Azure Virtual Machine Scale Sets
- B.** Azure App Service
- C.** Azure Kubernetes Service (AKS)
- D.** Azure Batch

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

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

| Name | Type | Kind | Location |
|------------|-------------------------------|----------------|----------|
| storage1 | Azure Storage account | Storage | East US |
| storage2 | Azure Storage account | StorageV2 | East US |
| Workspace1 | Azure Log Analytics workspace | Not applicable | East US |
| Workspace2 | Azure Log Analytics workspace | Not applicable | East US |
| Hub1 | Azure event hub | Not applicable | East US |

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

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

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 can add a new diagnostic setting that archives SQLInsights logs to storage2. | <input type="radio"/> | <input type="radio"/> |
| You can add a new diagnostic setting that sends SQLInsights logs to Workspace2. | <input type="radio"/> | <input type="radio"/> |
| You can add a new diagnostic setting that sends SQLInsights logs to Hub1. | <input type="radio"/> | <input type="radio"/> |

Answer:

| Statements | Yes | No |
|--|----------------------------------|-----------------------|
| You can add a new diagnostic setting that archives SQLInsights logs to storage2. | <input checked="" type="radio"/> | <input type="radio"/> |
| You can add a new diagnostic setting that sends SQLInsights logs to Workspace2. | <input checked="" type="radio"/> | <input type="radio"/> |
| You can add a new diagnostic setting that sends SQLInsights logs to Hub1. | <input checked="" type="radio"/> | <input type="radio"/> |

Explanation

Box 1: Yes

Box 2: Yes

Box 3: Yes

For more information on Azure SQL diagnostics , you can visit the below link

<https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-export>

NEW QUESTION: 87

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: ([SHOW ANSWER](#))

NEW QUESTION: 88

You have an Azure subscription.

You create a storage account that will store documents.

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

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

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

Each correct selection is worth one point.

Recovery

∨ Enable operational backup with Azure Backup

∨ Enable point-in-time restore for containers

∨ Enable soft delete for blobs

∨ Enable soft delete for containers

∨ Enable permanent delete for soft deleted items

Tracking



∨ Enable versioning for blobs

∨ Enable blob change feed

Access control

∨ Enable version-level immutability support

Answer:

Recovery

- ✓ Enable operational backup with Azure Backup
- ✓ Enable point-in-time restore for containers
- ✓ Enable soft delete for blobs
- ✓ Enable soft delete for containers
- ✓ Enable permanent delete for soft deleted items

Tracking

- ✓ Enable versioning for blobs
- ✓ Enable blob change feed



Access control

- ✓ Enable version-level immutability support

Explanation

Answer Area

Recovery

- Enable operational backup with Azure Backup
- Enable point-in-time restore for containers
- Enable soft delete for blobs
- Enable soft delete for containers
- Enable permanent delete for soft deleted items

Tracking

- Enable versioning for blobs
- Enable blob change feed

Access control

- Enable version-level immutability support

NEW QUESTION: 89

Your company plans to publish APIs for its services by using Azure API Management.

You discover that service responses include the `AspNet-Version` header.

You need to recommend a solution to remove `AspNet-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](#))

Explanation

References:

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

NEW QUESTION: 90

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: (SHOW ANSWER)

Explanation

<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: 91

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)

Explanation

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>

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NEW QUESTION: 92

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

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

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

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

NOTE: Each correct selection is worth one point.

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

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

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

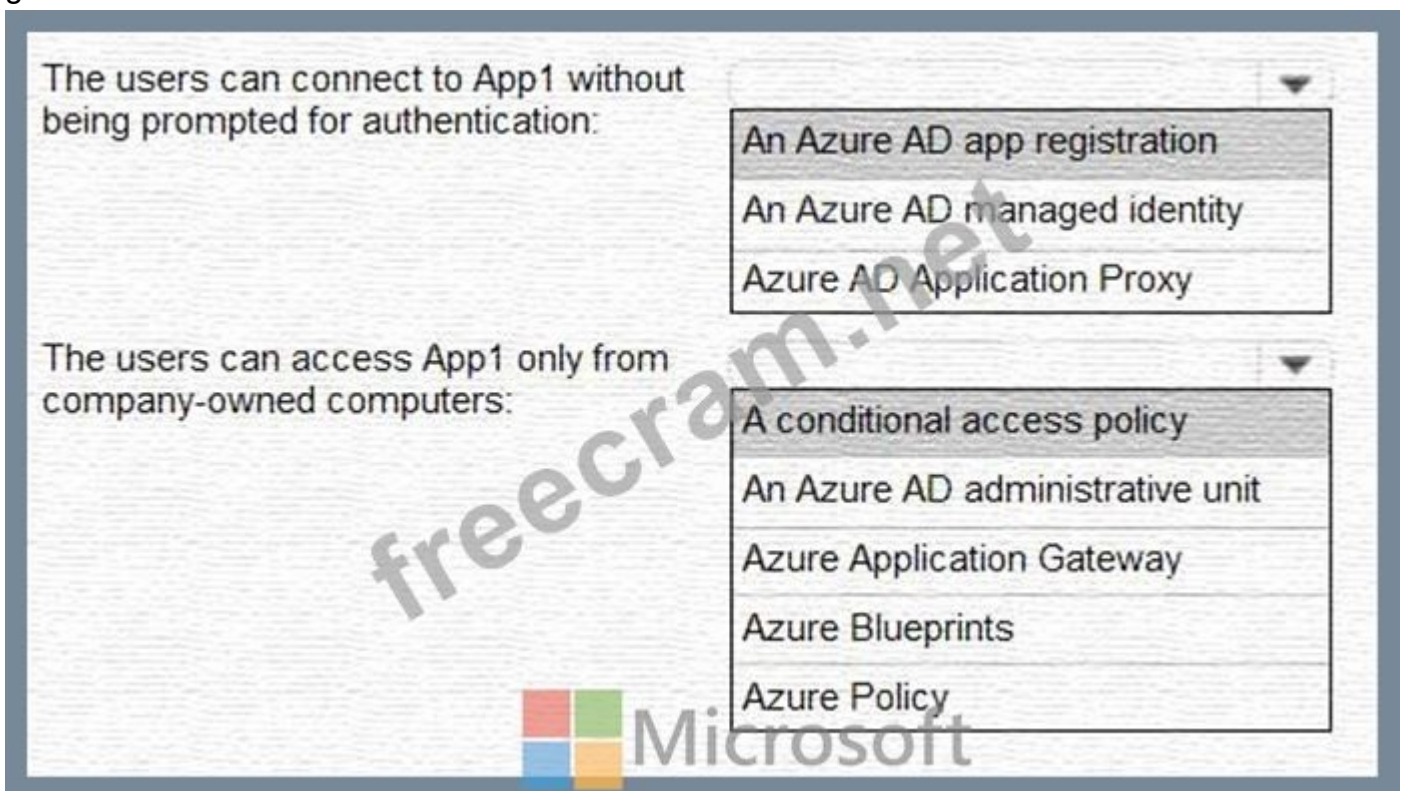
A conditional access policy
An Azure AD administrative unit
Azure Application Gateway
Azure Blueprints
Azure Policy

Answer:



Explanation

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



Box 1: An Azure AD app registration

Azure active directory (AD) provides cloud based directory and identity management services. You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.

You register your application with Azure active directory tenant.

Box 2: A conditional access policy

Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.

By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.

Timeline Description automatically generated



Reference:

<https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/>

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

<https://docs.microsoft.com/en-us/powerapps/developer/data-platform/walkthrough-register-app-azure-active-dire>

"After consenting to use their Dataverse account with the ISV's application, end users can connect to Dataverse environment from external application. The consent form is not displayed again to other users after the first user who has already consented to use the ISV's app. Apps registered in Azure Active Directory are multi-tenant, which implies that other Dataverse users from other tenant can connect to their environment using the ISV's app."

NEW QUESTION: 93

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>

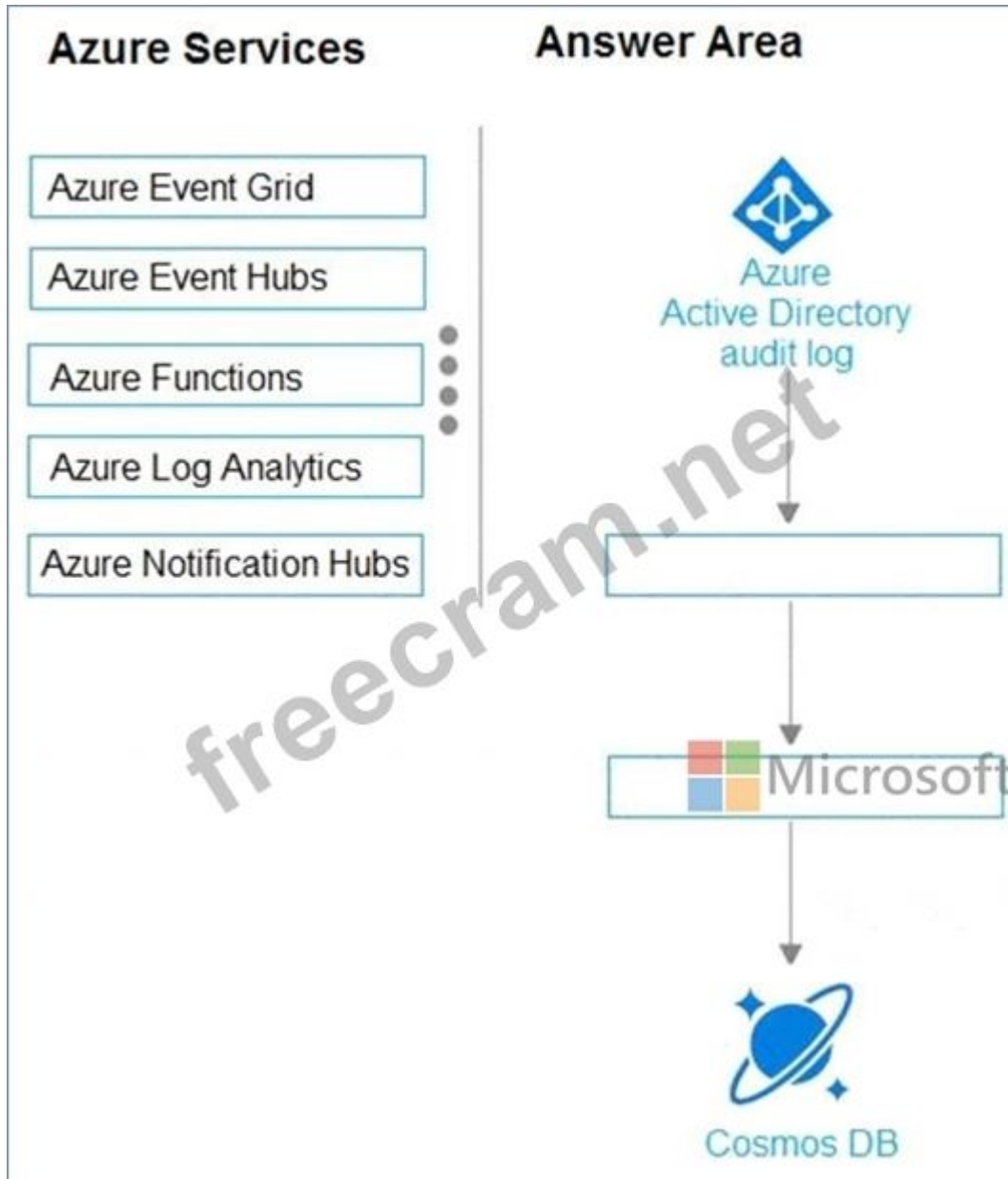
<https://getnerdio.com/academy/how-to-optimize-windows-virtual-desktop-wvd-azure-costs-with-event-based-au>

NEW QUESTION: 94

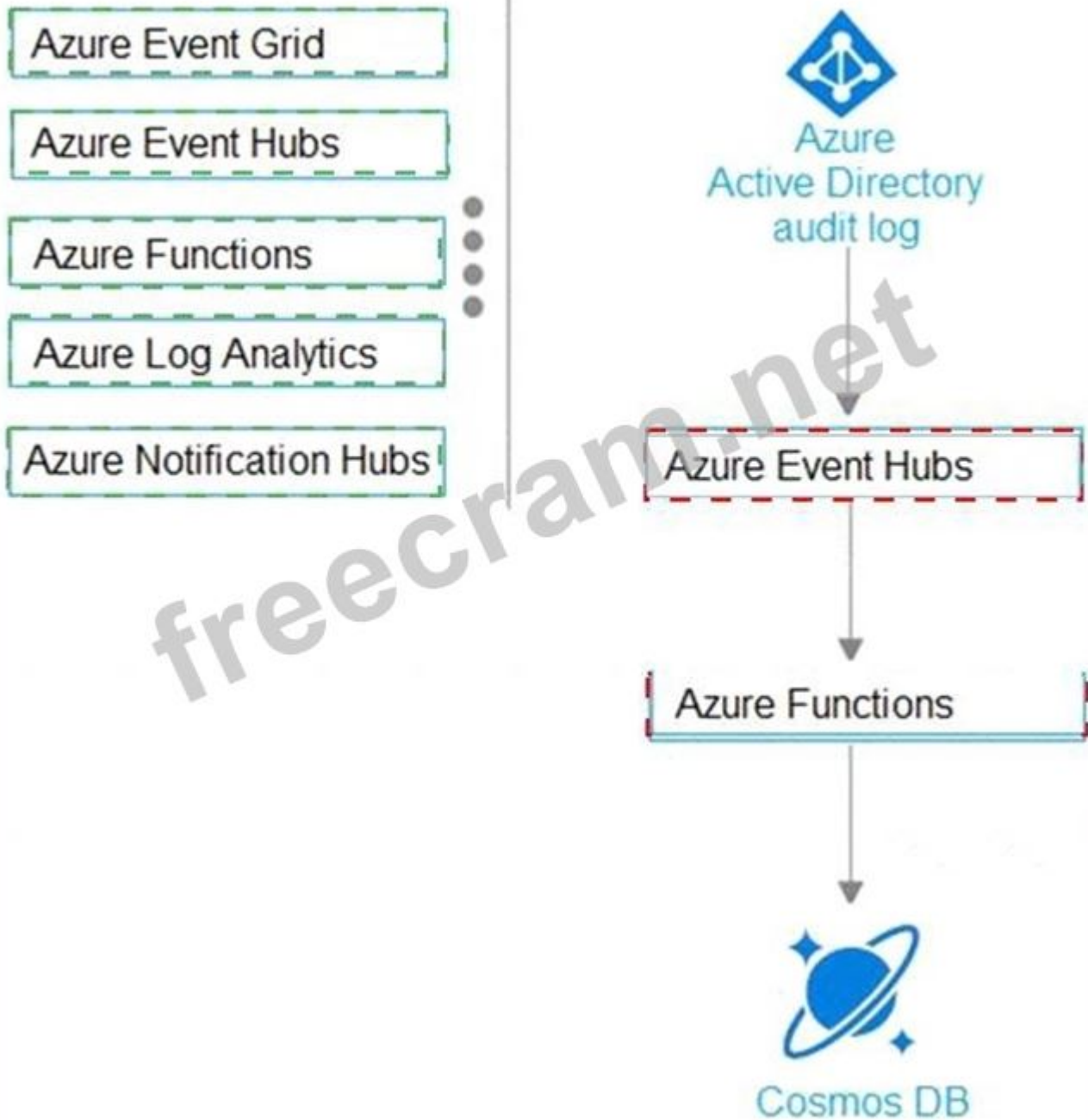
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Azure Services Microsoft Answer Area



Explanation

Diagram Description automatically generated

1. AAD audit log -> Event Hub (other two choices, LAW, storage, but not available in this question)

<https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/tutorial-azure-monitor-stream-logs-to>

2. Azure function has the Event hub trigger and Cosmos output binding

a. Event Hub trigger for function

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-event-hubs-trigger?>

tabs=csharp

NEW QUESTION: 95

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

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

What should you include in the recommendation?

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

Answer: ([SHOW ANSWER](#))

Explanation

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

Reference:

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

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

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

NEW QUESTION: 96

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"/> ▼ All methods GET only GET and POST only GET, POST, and OPTIONS only |
| Authorization level | <input type="text"/> ▼ Function Anonymous Admin |

Answer:

| Topic | Value |
|--------------------------------|---|
| Allowed authentication methods | <input type="text"/> ▼ All methods GET only GET and POST only GET, POST, and OPTIONS only |
| Authorization level | <input type="text"/> ▼ Function Anonymous Admin |

Explanation

Graphical user interface, table Description automatically generated

| Topic | Value |
|--------------------------------|---|
| Allowed authentication methods | <input type="text"/> ▼ All methods GET only GET and POST only GET, POST, and OPTIONS only |
| Authorization level | <input type="text"/> ▼ Function Anonymous Admin |

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: 97

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 Area

Prepare for the migration by:

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

Perform the migration by using:

- A distributed availability group
- Azure Migrate
- Log shipping

Answer:

Answer Area

Prepare for the migration by:

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

Perform the migration by using:

- A distributed availability group
- Azure Migrate
- Log shipping

Explanation

Answer Area

Prepare for the migration by: Creating an Always On availability group on VM1

Perform the migration by using: A distributed availability group

NEW QUESTION: 98

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?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 99

You need to recommend a data storage strategy for WebApp1.

What should you include in the recommendation?

- A. an Azure SQL Database elastic pool
- B. a vCore-based Azure SQL database
- C. an Azure virtual machine that runs SQL Server
- D. a fixed-size DTU AzureSQL database.

Answer: ([SHOW ANSWER](#))

Topic 2, 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: 100

Your company deploys several Linux and Windows virtual machines (VMs) to Azure. The VMs are deployed with the Microsoft Dependency Agent and the Microsoft Monitoring Agent installed by using Azure VM extensions. On-premises connectivity has been enabled by using Azure ExpressRoute.

You need to design a solution to monitor the VMs.

Which Azure monitoring services should you use? To answer, select the appropriate Azure monitoring services in the answer area.

NOTE: Each correct selection is worth one point.

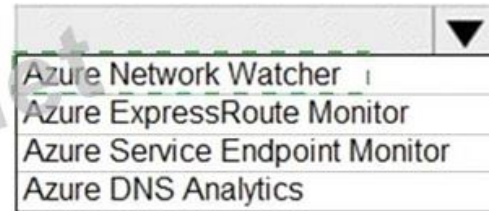
| Scenario | Azure Monitoring Service |
|--|--|
| Analyze Network Security Group (NSG) flow logs for VMs attempting internet access. | <input type="checkbox"/> Azure Network Watcher <input type="checkbox"/> Azure ExpressRoute Monitor <input type="checkbox"/> Azure Service Endpoint Monitor <input type="checkbox"/> Azure DNS Analytics |
| Visualize the VMs with their different processes and dependencies on other computers and external processes. | <input type="checkbox"/> Azure Service Map <input type="checkbox"/> Azure Activity Log <input type="checkbox"/> Azure Service Health <input type="checkbox"/> Azure Advisor |

Answer:

Scenario

Azure Monitoring Service

Analyze Network Security Group (NSG) flow logs for VMs attempting internet access.



Visualize the VMs with their different processes and dependencies on other computers and external processes.



Explanation

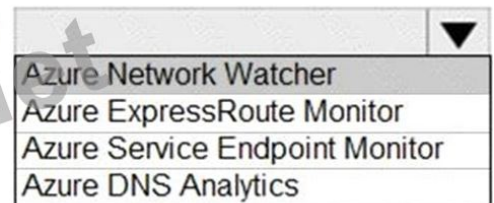
Graphical user interface, text, application, email Description automatically generated

Scenario

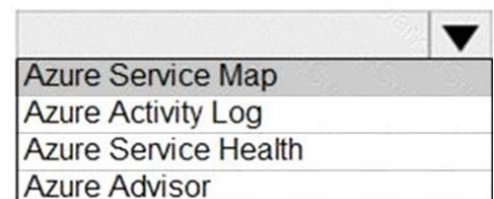


Azure Monitoring Service

Analyze Network Security Group (NSG) flow logs for VMs attempting internet access.



Visualize the VMs with their different processes and dependencies on other computers and external processes.



Box 1: Azure Network Watcher

Traffic Analytics is a cloud-based solution that provides visibility into user and application activity in cloud networks. Traffic analytics analyzes Network Watcher network security group (NSG) flow logs to provide insights into traffic flow in your Azure cloud. With traffic analytics, you can:

- * Identify security threats to, and secure your network, with information such as open-ports, applications attempting internet access, and virtual machines (VM) connecting to rogue networks.
- * Visualize network activity across your Azure subscriptions and identify hot spots.
- * Understand traffic flow patterns across Azure regions and the internet to optimize your network deployment for performance and capacity.
- * Pinpoint network misconfigurations leading to failed connections in your network.

Box 2: Azure Service Map

Service Map automatically discovers application components on Windows and Linux systems and maps the communication between services. With Service Map, you can view your servers in the way that you think of them: as interconnected systems that deliver critical services. Service Map shows connections between servers, processes, inbound and outbound connection latency, and ports across any TCP-connected architecture, with no configuration required other than the installation of an agent.

Reference:

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

<https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map>

NEW QUESTION: 101

You have an Azure Data Lake Storage account that contains 1,000 10-MB CSV files and an Azure Synapse Analytics dedicated SQL pool named sql1. You need to load the files to sql1. The solution must meet the following requirements:

Maximize data load performance.

Eliminate the need to define external tables before the data loads.

What should you use?

A. the copy statement

B. BCP

C. PolyBase

D. the sqlBulkcopy object

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 102

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](#))

Explanation

The Regulatory compliance dashboard in Azure Security Center is not used for regional compliance.

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

Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key

portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

Reference:

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

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

NEW QUESTION: 103

You have .NET web service named service1 that has the following requirements.

Must read and write to the local file system.

Must write to the Windows Application event log.

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

Minimize maintenance overhead.

Minimize costs.

What should you include in the recommendation?

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

Answer: (SHOW ANSWER)

Explanation

<https://social.msdn.microsoft.com/Forums/vstudio/en-US/294b9e3e-e89c-4095-b8d0-ee1646e77268/writing-to-l>

NEW QUESTION: 104

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns. You need to recommend a database platform to host the databases. The solution must meet the following requirements:

- * The compute resources allocated to the databases must scale dynamically.
- * The solution must meet an SLA of 99.99% uptime.
- * The solution must have reserved capacity.
- * Compute charges must be minimized.

What should you include in the recommendation?

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

Answer: (SHOW ANSWER)

Explanation

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

Guaranteed 99.995 percent uptime for SQL Database

Reference:

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

<https://azure.microsoft.com/en-us/pricing/details/sql-database/elastic/>

<https://www.azure.cn/en-us/support/sla/virtual-machines/>

<https://techcommunity.microsoft.com/t5/azure-sql/optimize-price-performance-with-compute-auto-scaling-in-azu>

NEW QUESTION: 105

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

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

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

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

Answer Area

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

Implement, query, and update data in Delta Lake:

Answer:

Answer Area

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

Implement, query, and update data in Delta Lake:

Explanation

Answer Area

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

Implement, query, and update data in Delta Lake:

NEW QUESTION: 106

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

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

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

NOTE: Each correct selection is worth one point.

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

Answer: ([SHOW ANSWER](#))

Explanation

Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules.

Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.

Reference:

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

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NEW QUESTION: 107

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 Advisor to analyze the network traffic.

Does the solution meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

Explanation

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

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

With Advisor, you can:

Get proactive, actionable, and personalized best practices recommendations.

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

Get recommendations with proposed actions inline.

Reference:

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

NEW QUESTION: 108

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: ([SHOW ANSWER](#))

Explanation

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

NEW QUESTION: 109

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

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

Log files from App1 are ingested to App 1 Logs. An average of 120 GB of log data is ingested per day.

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

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

- * Ensure that all the log files from App1 are ingested to App 1 Logs.
- * Minimize the impact on the Azure Monitor alert.

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

NOTE: Each correct selection is worth one point.

Answer Area

Resource:

App1

App1Logs

Workspace1

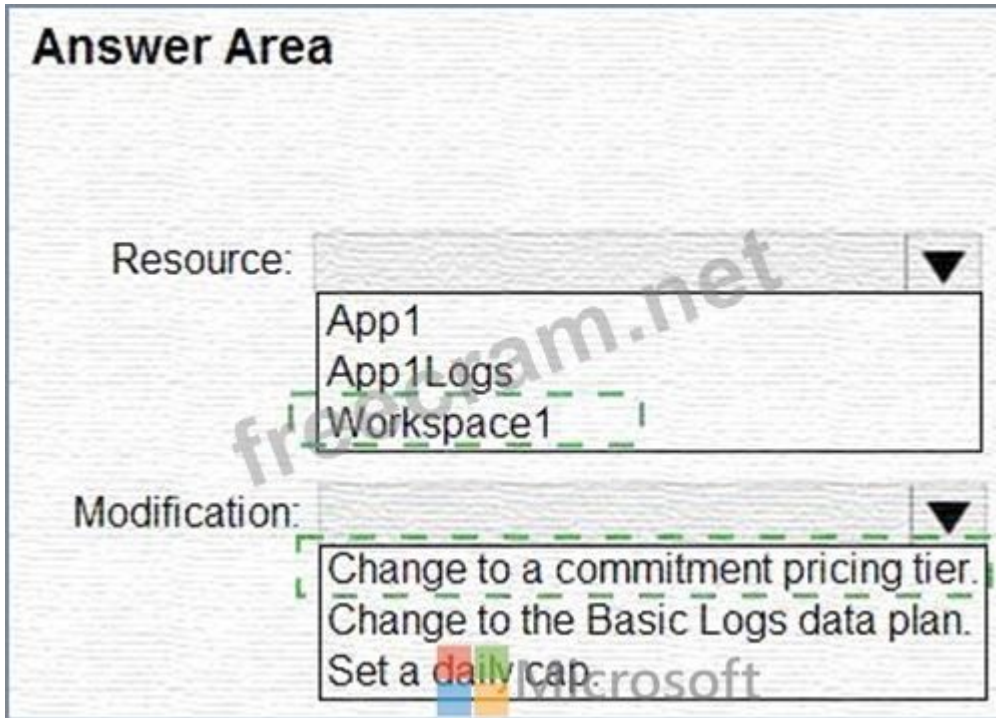
Modification:

Change to a commitment pricing tier.

Change to the Basic Logs data plan.

Set a daily cap.

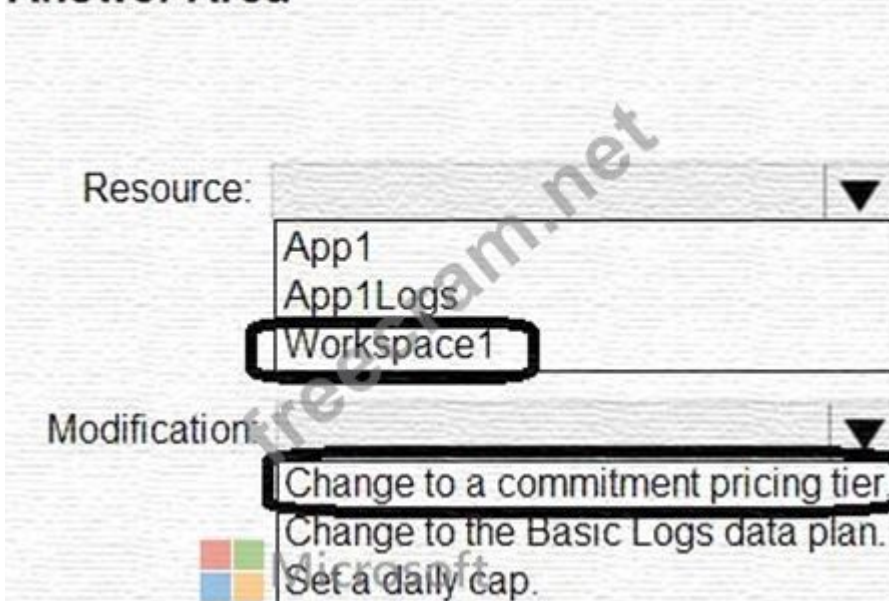
Answer:



Explanation

A screenshot of a computer Description automatically generated

Answer Area



NEW QUESTION: 110

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines.

The solution must meet the following requirements:

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

What should you include in the recommendation?

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

D. Azure Policy

Answer: ([SHOW ANSWER](#))

Explanation

<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/manage/azure-server-management/common-p>

NEW QUESTION: 111

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

The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions.

The resources for the App Service instances must reside in the same region.

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

Solution: You recommend using an Azure policy to enforce the location of resource groups.

Does this meet the goal?

A. No

B. Yes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 112

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

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

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

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

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

NOTE: Each correct selection is worth one point.

App1:

| |
|--|
| |
| Storage1 and storage2 only |
| Storage1 and storage3 only |
| Storage1, storage2, and storage3 only |
| Storage1, storage2, storage3, and storage4 |

App2:



| |
|--|
| |
| Storage4 only |
| Storage1 and storage4 only |
| Storage1, storage2, and storage4 only |
| Storage1, storage2, storage3, and storage4 |

Answer:

App1:

| |
|--|
| |
| Storage1 and storage2 only |
| Storage1 and storage3 only |
| Storage1, storage2, and storage3 only |
| Storage1, storage2, storage3, and storage4 |

App2:

| |
|--|
| |
| Storage4 only |
| Storage1 and storage4 only |
| Storage1, storage2, and storage4 only |
| Storage1, storage2, storage3, and storage4 |

Explanation

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

<https://www.edureka.co/community/40011/different-storage-accounts-their-major-differences-between>

<https://insidemstech.com/tag/general-purpose-v2/>

In conclusion the correct answers are:

Box1 --> Storage1 and Storage3 only

Box2 --> Storage1 and Storage4 only

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share?tabs=azure->

portal#basics

NEW QUESTION: 113

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

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

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

Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content NOTE: Each correct selection is worth one point.

Services

- Web Application Firewall (WAF)
- Azure Application Gateway
- Azure Load Balancer
- Azure Traffic Manager
- SSL offloading
- URL-based content routing

Answer area

Azure service:

Feature:

Microsoft

Answer:

Services

- Web Application Firewall (WAF)
- Azure Application Gateway
- Azure Load Balancer
- Azure Traffic Manager
- SSL offloading
- URL-based content routing

Answer area

Azure service: Azure Application Gateway

Feature: Web Application Firewall (WAF)

Microsoft

Explanation

Services

- Web Application Firewall (WAF)
- Azure Application Gateway
- Azure Load Balancer
- Azure Traffic Manager
- SSL offloading
- URL-based content routing

Answer area

Azure service: Azure Application Gateway

Feature: Web Application Firewall (WAF)

Microsoft

NEW QUESTION: 114

You need to recommend a solution to ensure that App1 can access the third-party credentials and access strings. The solution must meet the security requirements.

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.

Authenticate App1 by using:

- A certificate
- A service principal
- A system-assigned managed identity
- A user-assigned managed identity

Authorize App1 to retrieve Key Vault secrets by using:

- An access policy
- A connected service
- A private link
- A role assignment

Answer:

Authenticate App1 by using:

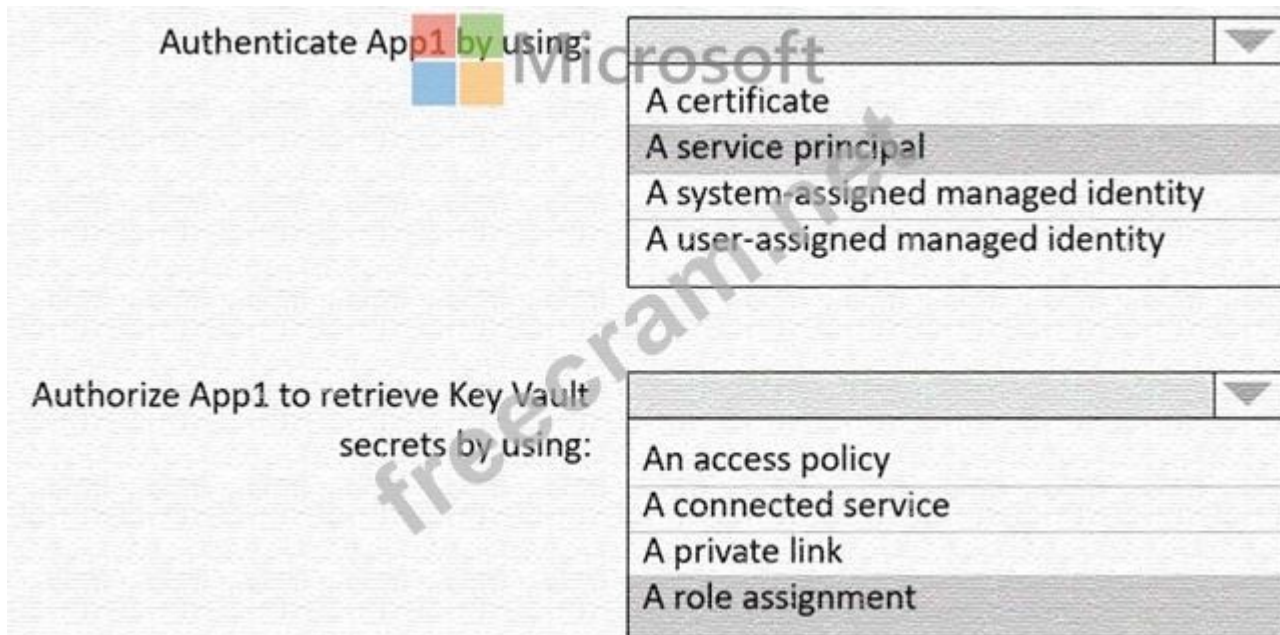
- A certificate
- A service principal
- A system-assigned managed identity
- A user-assigned managed identity

Authorize App1 to retrieve Key Vault secrets by using:

- An access policy
- A connected service
- A private link
- A role assignment

Explanation

Graphical user interface, text, application, table Description automatically generated



Scenario: 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.

Box 1: A service principal

A service principal is a type of security principal that identifies an application or service, which is to say, a piece of code rather than a user or group. A service principal's object ID is known as its client ID and acts like its username. The service principal's client secret acts like its password.

Note: Authentication with Key Vault works in conjunction with Azure Active Directory (Azure AD), which is responsible for authenticating the identity of any given security principal.

A security principal is an object that represents a user, group, service, or application that's requesting access to Azure resources. Azure assigns a unique object ID to every security principal.

Box 2: A role assignment

You can provide access to Key Vault keys, certificates, and secrets with an Azure role-based access control.

Reference:

<https://docs.microsoft.com/en-us/azure/key-vault/general/authentication>

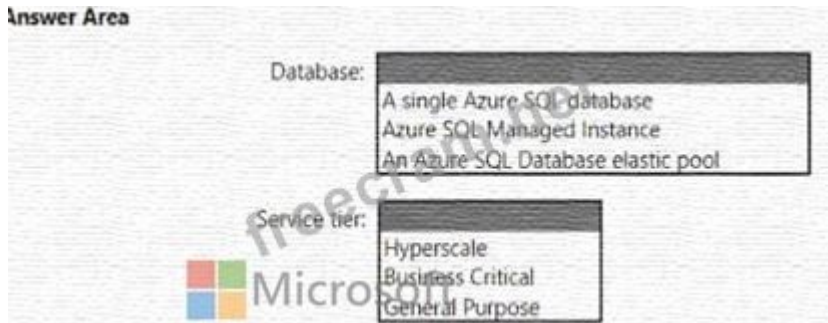
NEW QUESTION: 115

You plan to migrate DB1 and DB2 to Azure.

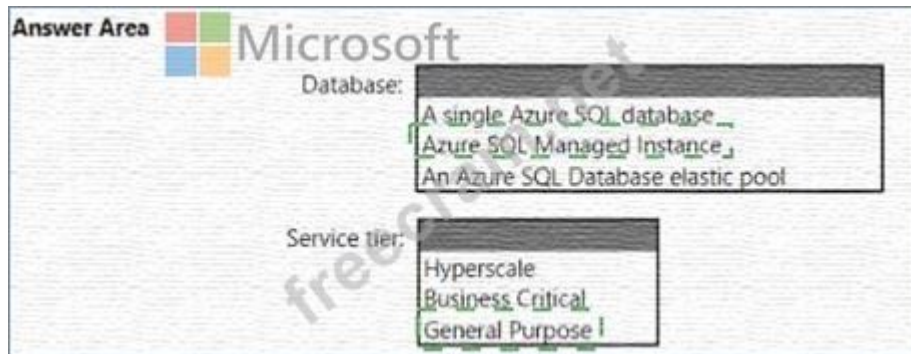
You need to ensure that the Azure database and the service tier meet the resiliency and business requirements.

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

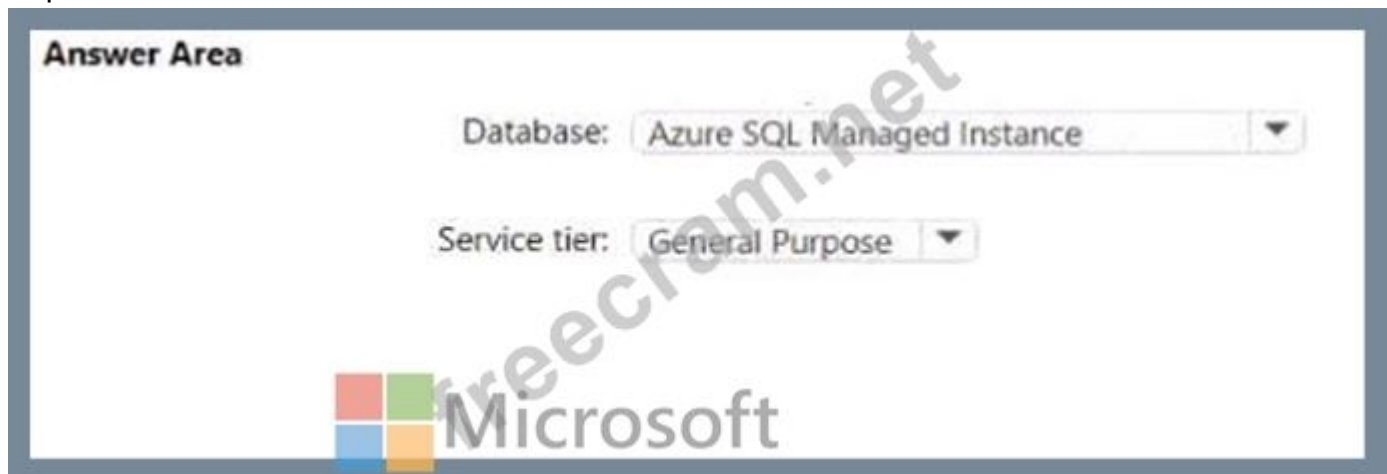
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



NEW QUESTION: 116

Your company has the divisions shown in the following table.

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

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

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

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

What is the minimum number of objects required to deploy the application? To answer, select the

appropriate options in the answer area.


NOTE: Each correct selection is worth one point.

Management groups: ▼

| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

Blueprint definitions: ▼

| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

 Blueprint assignments: ▼


| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

Management groups: ▼

| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

Blueprint definitions: ▼

| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

 Blueprint assignments: ▼

| |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

Explanation

Box 1: 2

One management group for East, and one for West.

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

Box 2: 2

Box 3: 4

One assignment for each subscription.

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

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

NEW QUESTION: 117

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

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

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

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

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

NOTE: Each correct selection is worth one point.

App1:

| |
|--|
| Storage1 and storage2 only |
| Storage1 and storage3 only |
| Storage1, storage2, and storage3 only |
| Storage1, storage2, storage3, and storage4 |

App2:



| |
|--|
| Storage4 only |
| Storage1 and storage4 only |
| Storage1, storage2, and storage4 only |
| Storage1, storage2, storage3, and storage4 |

| | |
|-------|--|
| App1: | Microsoft |
| | Storage1 and storage2 only |
| | Storage1 and storage3 only |
| | Storage1, storage2, and storage3 only |
| | Storage1, storage2, storage3, and storage4 |
| App2: | |
| | Storage4 only |
| | Storage1 and storage4 only |
| | Storage1, storage2, and storage4 only |
| | Storage1, storage2, storage3, and storage4 |

Explanation

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

<https://www.edureka.co/community/40011/different-storage-accounts-there-major-difference-between>

<https://insidemstech.com/tag/general-purpose-v2/>

In conclusion the correct answers are:

Box1 --> Storage1 and Storage3 only

Box2 --> Storage1 and Storage4 only

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share?tabs=azure-portal#basics>

NEW QUESTION: 118

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

- * Support rate limiting

* Balance requests between all instances.

* Ensure that users can access the app in the event of a regional outage Solution: You use Azure Load Balancer to provide access to the app.

Does this meet the goal?

A. No

B. Yes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 119

You need to recommend an App Service architecture that meets the requirements for Appl. The solution must minimize costs.

What should few recommend?

A. one App Service Environment (ASE) per availability zone

B. one App Service plan per region

C. one App Service Environment (ASE) per region

D. one App Service plan per availability zone

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 120

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

- 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 Area



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

Explanation

A picture containing text Description automatically generated

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: 121

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

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

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

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NEW QUESTION: 122

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.

Account type:

- Blob storage
- Storage (general purpose v1)
- StorageV2 (general purpose v2)

Replication solution:

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

Account type:

- Blob storage
- Storage (general purpose v1)
- StorageV2 (general purpose v2)

Replication solution:

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

Explanation

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

Account type:

- Blob storage
- Storage (general purpose v1)
- StorageV2 (general purpose v2)

Replication solution:

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

Account Type: StorageV2

Replication solution: Zone-redundant storage (ZRS)

NEW QUESTION: 123

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Storage: Secret

- Certificate
- Key
- Secret

Access: A managed service identity (MSI)

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

Answer:

Answer Area

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)

NEW QUESTION: 124

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: 125

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, 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 Microsoft exam question interface. On the left, under the heading "Network Addresses", there is a list of four IP address ranges: 172.16.0.0/16, 172.16.1.0/28, 192.168.0.0/24, and 192.168.1.0/28. On the right, under the heading "Answer Area", there are two subnets: "Subnet1:" and "Gateway subnet:". Each subnet has a corresponding empty box labeled "Network address". Between the two panes are two circular arrows, one pointing left and one pointing right, indicating that the network addresses can be dragged between the panes. A large watermark "freecram.net" is visible across the interface.

Answer:


Network Addresses

- 172.16.0.0/16
- 172.16.1.0/28
- 192.168.0.0/24
- 192.168.1.0/28

Answer Area

Subnet1: 192.168.0.0/24


Gateway subnet: 192.168.1.0/28



Explanation

Subnet1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/28



Automatically generated

NEW QUESTION: 126

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 Area

Network Contributor: [1] [15]

Role1: [1] [15]



Answer:

Answer Area

Network Contributor: [1] [15]

Role1: [1] [15]



Explanation

A screenshot of a computer Description automatically generated with medium confidence



NEW QUESTION: 127

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: (SHOW ANSWER)

Explanation

"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: 128

The developers at your company are building a containerized Python Django app. You need to recommend platform to host the app. The solution must meet the following requirements:

- * Support autoscaling.
- * Support continuous deployment from an Azure Container Registry.
- * Provide built-in functionality to authenticate app users by using Azure Active Directory (Azure AD).

Which platform should you include in the recommendation?

- A. Azure Container instances
- B. an Azure App Service instance that uses containers
- C. Azure Kubernetes Service (AKS)

Answer: (SHOW ANSWER)

Explanation

To keep up with application demands in Azure Kubernetes Service (AKS), you may need to adjust the number of nodes that run your workloads. The cluster autoscaler component can watch for pods in your cluster that can't be scheduled because of resource constraints. When issues are

detected, the number of nodes in a node pool is increased to meet the application demand. Azure Container Registry is a private registry for hosting container images. It integrates well with orchestrators like Azure Container Service, including Docker Swarm, DC/OS, and the new Azure Kubernetes service.

Moreover, ACR provides capabilities such as Azure Active Directory-based authentication, webhook support, and delete operations.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler>

<https://medium.com/velotio-perspectives/continuous-deployment-with-azure-kubernetes-service-azurecontainer-registry-jenkins-ca337940151b>

NEW QUESTION: 129

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

Sub2: ▼
A Recovery Services vault
A Resource Guard
An Azure Site Recovery job
Microsoft Azure Backup Server (MABS)
The Microsoft Azure Recovery Services (MARS) agent

Answer Area

Sub1: ▼

Sub2: ▼

NEW QUESTION: 130

You deploy several Azure SQL Database instances.

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

★

Diagnostics

Archive to a storage account

Storage account

csa14d260928e42x4ea7xb77

Stream to an event hub

Send to Log Analytics

Log Analytics

fabrikamproductionworkspace

LOG


| | | | |
|--|--------------------|----------------------------------|----|
| <input checked="" type="checkbox"/> SQLInsights | Retention (days) ● | <input type="range" value="90"/> | 90 |
| <input checked="" type="checkbox"/> AutomaticTuning | Retention (days) ● | <input type="range" value="30"/> | 30 |
| <input type="checkbox"/> QueryStoreRuntimeStatistics | Retention (days) ● | <input type="range" value="0"/> | 0 |
| <input type="checkbox"/> QueryStoreWaitStatistics | Retention (days) ● | <input type="range" value="0"/> | 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].

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 | |

| | |
|------------|---|
| | ▼ |
| 30 days | |
| 90 days | |
| 730 days | |
| indefinite | |

Answer:

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

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 | |


| | |
|------------|---|
| | ▼ |
| 30 days | |
| 90 days | |
| 730 days | |
| indefinite | |

Explanation

Graphical user interface, text, application Description automatically generated

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

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 | |

| | |
|------------|---|
| | ▼ |
| 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.

NEW QUESTION: 131

You need to design a highly available Azure SQL database that meets the following requirements:

- * Failover between replicas of the database must occur without any data loss.
- * The database must remain available in the event of a zone outage.
- * Costs must be minimized.

Which deployment option should you use?

- A.** Azure SQL Database Business Critical
- B.** Azure SQL Database Managed Instance Business Critical
- C.** Azure SQL Database Serverless
- D.** Azure SQL Database Premium

Answer: (SHOW ANSWER)

Explanation

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>. 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?view=azuresql&tabs=azure-pow>

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: 132

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: (SHOW ANSWER)

Explanation

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.h>

NEW QUESTION: 133

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: ([SHOW ANSWER](#))

Explanation

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: 134

You plan to migrate data to Azure.

The IT department at your company identifies the following requirements:

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

You need to meet the requirements.

What should you use?

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

Answer: ([SHOW ANSWER](#))

Explanation

Microsoft recommends that you use a GPv2 storage account for most scenarios. It supports up to 5 PB, and blob storage including Data Lake storage.

Note: A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With a hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

References:

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

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

NEW QUESTION: 135

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: ([SHOW ANSWER](#))

Explanation

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>

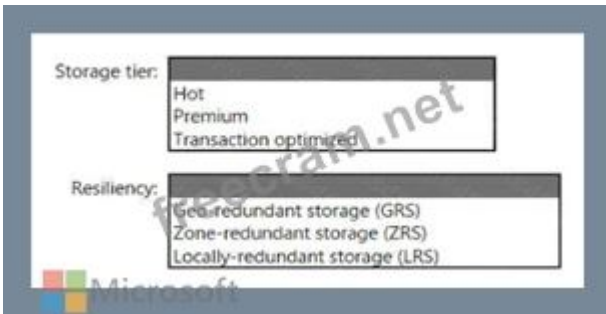
NEW QUESTION: 136

You plan to create an Azure Storage account that will host file shares. The shares will be accessed from on-premises applications that are transaction-intensive.

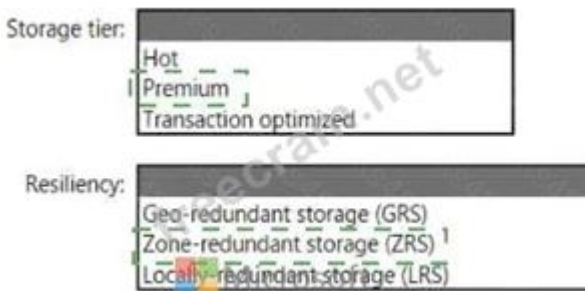
You need to recommend a solution to minimize latency when accessing the file shares. The solution must provide the highest-level of resiliency for the selected storage tier.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation

Box 1: Premium

Premium: Premium file shares are backed by solid-state drives (SSDs) and provide consistent high performance and low latency, within single-digit milliseconds for most IO operations, for IO-intensive workloads.

Box 2: Zone-redundant storage (ZRS):

Premium Azure file shares only support LRS and ZRS.

Zone-redundant storage (ZRS): With ZRS, three copies of each file stored, however these copies are physically isolated in three distinct storage clusters in different Azure availability zones.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning>

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NEW QUESTION: 137

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

Answer Area

A geo-redundant storage (GRS) account

A locally-redundant storage (LRS) account


A premium managed disk

A standard managed disk

Operating system:

Databases and logs:

Backups:



Answer:

Storage Types

Answer Area

A geo-redundant storage (GRS) account

A locally-redundant storage (LRS) account


A premium managed disk

A standard managed disk

Operating system: A premium managed disk

Databases and logs: A premium managed disk

Backups: A locally-redundant storage (LRS) account



Explanation

Graphical user interface, text, application, email Description automatically generated

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

NEW QUESTION: 138

Your company has the infrastructure shown in the following table.

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

The on-premises Active Directory domain syncs to Azure Active Directory (Azure AD). Server1 runs an application named Appl that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

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

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

You need to recommend a solution to ensure that Appl continues to function after the migration.

The solution must meet the security policy.

What should you include in the recommendation?

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

Answer: (SHOW ANSWER)

Explanation

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/overview> Azure Active Directory Domain Services (Azure AD DS) provides managed domain services such as domain join, group policy, lightweight directory access protocol (LDAP), and Kerberos/NTLM authentication Azure AD Domain Services (Azure AD DS) - This one could work since AAD DS will bring in the existing accounts from Azure AD which in turn are synchronised from on-premise AD over AD connect. However, you would probably need to reconfigure the app and update the LDAP connection Azure Active Directory (Azure AD) supports LDAP Authentication via Azure AD Domain Services (AD DS).

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

<https://docs.microsoft.com/en-us/azure/active-directory-domain-services/synchronization>

NEW QUESTION: 139

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)

Explanation

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

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

Reference:

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

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

NEW QUESTION: 140

You need to design a highly available Azure SQL database that meets the following requirements:

Failover between replicas of the database must occur without any data loss.

The database must remain available in the event of a zone outage.

Costs must be minimized

Which deployment option should you use?

A. Azure SQL Database Serverless

B. Azure SQL Database Premium

C. Azure SQL Managed Instance General Purpose

D. Azure SQL Database Standard

Answer: (SHOW ANSWER)

NEW QUESTION: 141

You need to recommend a strategy for the web tier of WebApp1. The solution must minimize

What should you recommend?

- A. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- B. Configure the Scale Up settings for a web app.
- C. Configure the Scale Out settings for a web app.
- D. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.

Answer: ([SHOW ANSWER](#))

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