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https://www.freecram.net/torrent/Microsoft.AZ-305.v2026-05-25.q154.html	

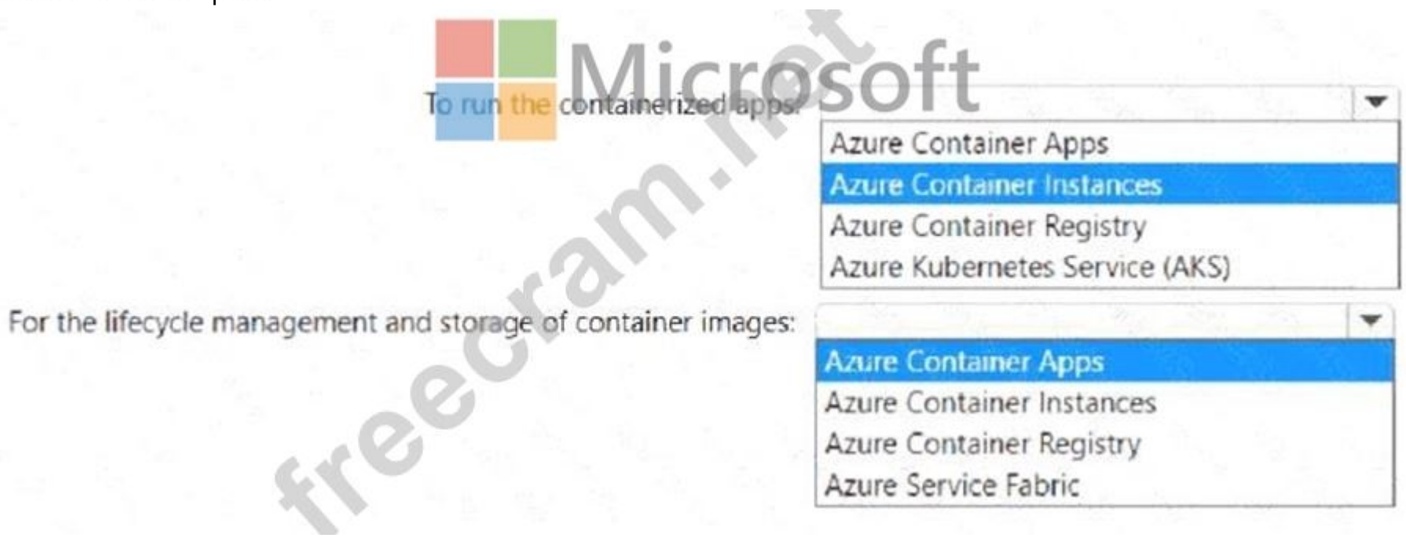
NEW QUESTION: 1
You are designing a microservices architecture that will support a web application.
The solution must meet the following requirements:
Allow independent upgrades to each microservice
Deploy the solution on-premises and to Azure
Set policies for performing automatic repairs to the microservices
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)
https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-overview

NEW QUESTION: 2
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
* Provide access to the full .NET framework.
* Provide redundancy if an Azure region fails.
* Grant administrators access to the operating system to install custom application dependencies.
Solution: You deploy an Azure virtual machine scale set that uses autoscaling.
Does this meet the goal?
A. Yes
B. No
Answer: B (LEAVE A REPLY)
Instead, you should deploy two Azure virtual machines to two Azure regions, and you create a Traffic Manager profile.

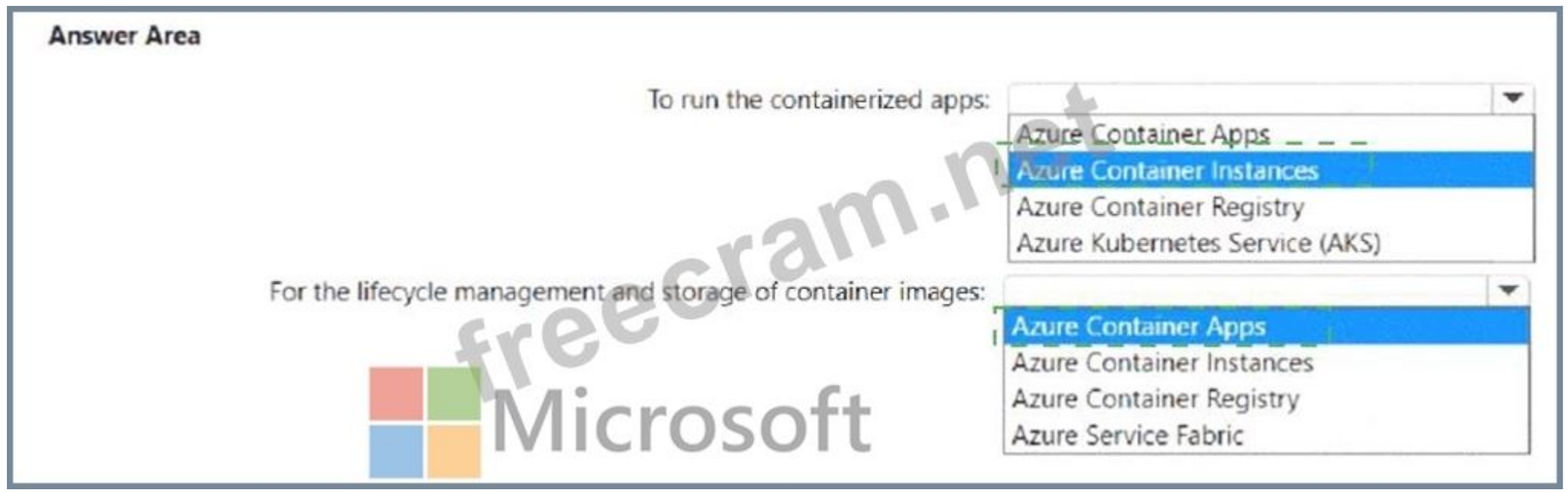
NEW QUESTION: 3
You have to deploy an Azure SQL database named db1 for your company. The databases must meet the following security requirements When IT help desk supervisors query a database table named customers, they must be able to see the full number of each credit card When IT help desk operators 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: (SHOW ANSWER)
https://docs.microsoft.com/en-us/sql/relational-databases/security/encryption/always-encrypted-database-engine?view=sql-server-ver15

NEW QUESTION: 4
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.

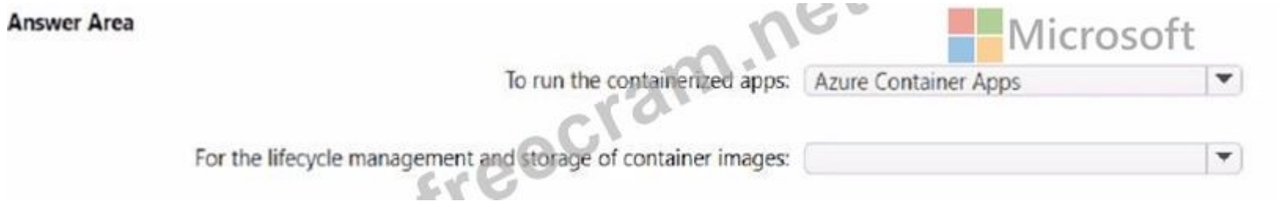
Answer Area



Answer:



Explanation:



NEW QUESTION: 5

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

You need to recommend a host caching method for each disk. The method must provide the best overall performance for the virtual machine while preserving the integrity of the SQL data and logs.

Which host caching method should you recommend for each disk? To answer, drag the appropriate methods to the correct disks. Each method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION: 6

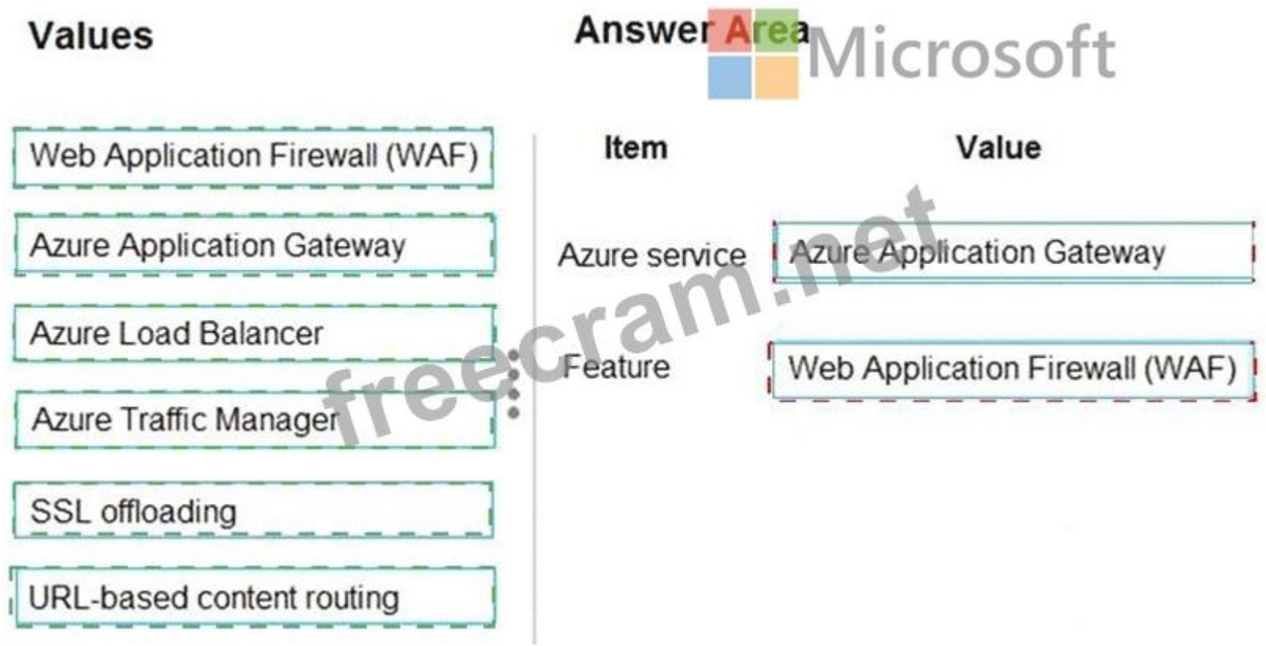
A company has an existing web application that runs on virtual machines (VMs) in Azure.

You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.

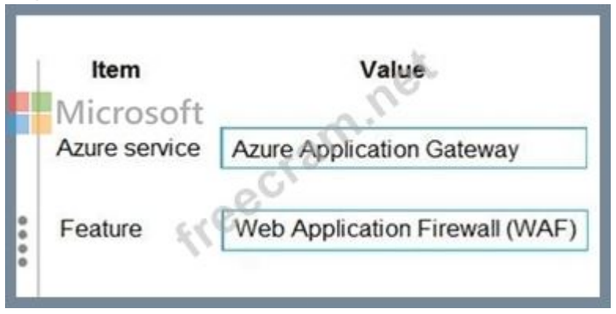
What should you recommend? To answer, drag the appropriate values to the correct items. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:



Explanation:



Box 1: Azure Application Gateway

Azure Application Gateway provides an application delivery controller (ADC) as a service. It offers various layer 7 load-balancing capabilities for your applications.

Box 2: Web Application Firwewall (WAF)

Application Gateway web application firewall (WAF) protects web applications from common vulnerabilities and exploits.

This is done through rules that are defined based on the OWASP core rule sets 3.0 or 2.2.9.

There are rules that detects SQL injection attacks.

References:

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

https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview

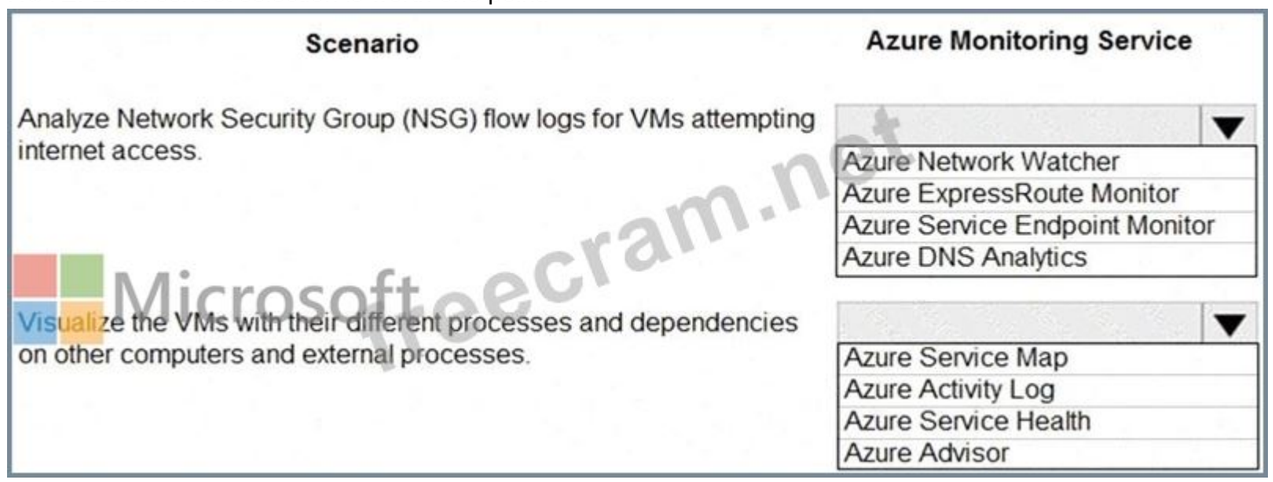
NEW QUESTION: 7

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.

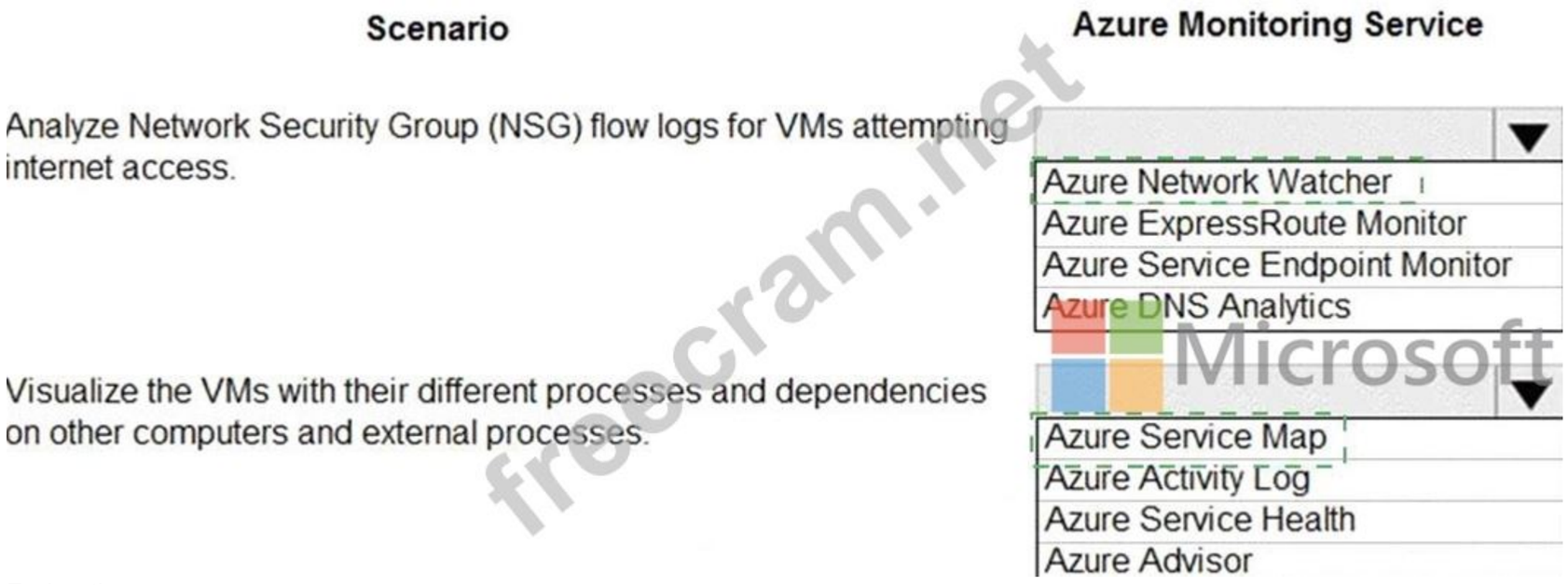
You need to design a solution to monitor the VMs.

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

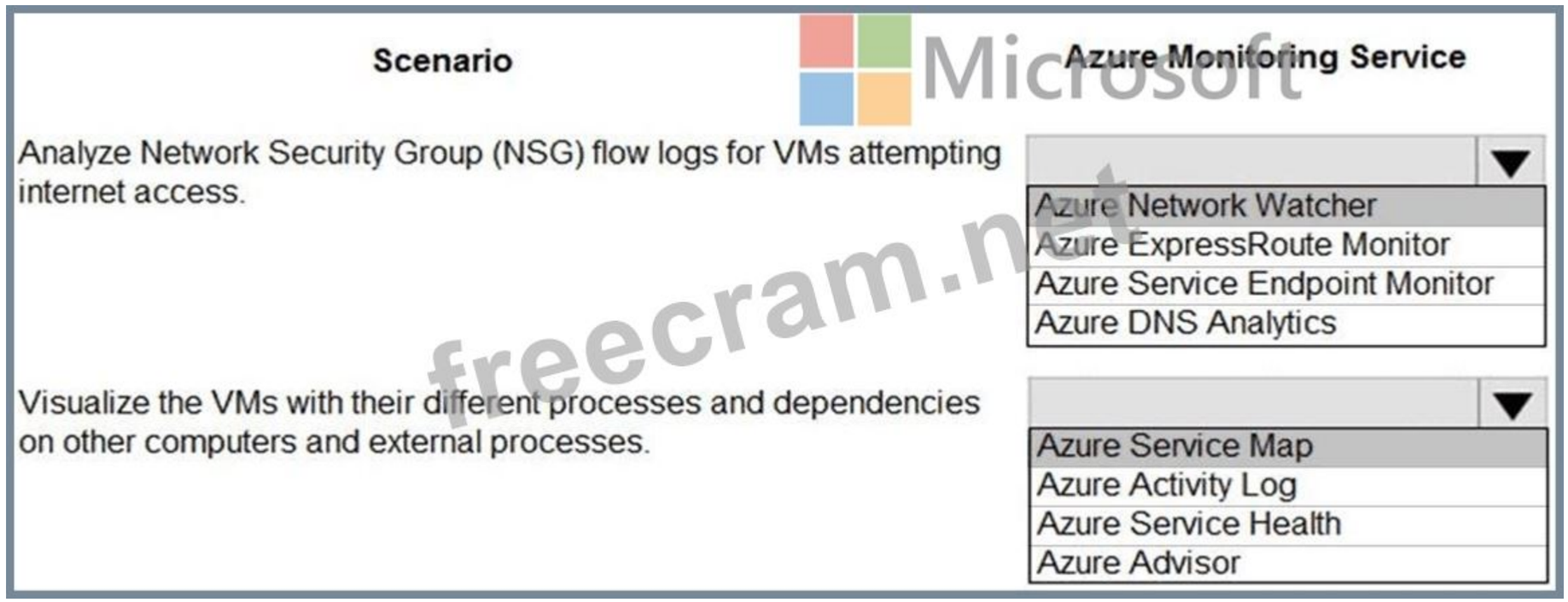
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



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: 8

A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 365 and an Azure subscription.

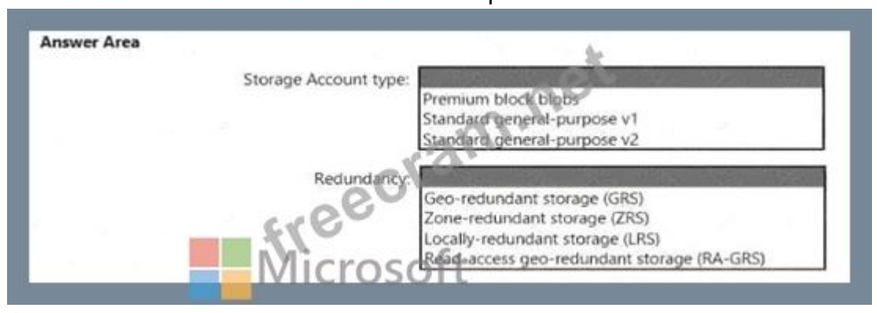
Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS), and Azure AD Connect Contoso has a partnership with a company named Fabrikam, Inc. Fabrikam has an Active Directory forest and an Office 365 tenant. Fabrikam has 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: (SHOW ANSWER)
Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest A one-way trust is required from production environment to the admin forest.
Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts.
References:
https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securing-privileged- access-reference-material

NEW QUESTION: 9
You have an on-premises file server that stores 2 TB of data files.
You plan to move the data files to Azure Blob Storage In the West Europe Azure region, You need to recommend a storage account type to store the data files and a replication solution for the storage account.
The solution must meet the following requirements:
* Be available if a single Azure datacenter fails.
* Support storage tiers.
* Minimize cost.
What should you recommend? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:

Explanation:
Account Type: StorageV2
Replication solution: Zone-redundant storage (ZRS)

https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy
https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy#supported-azure-storage-services
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview#types-of-storage-accounts Data must be available if a single Azure datacenter fails. It means the storage account must support ZRS replication. Also, solution should support storage tiers. Only General-purpose V2 supports ZRS and storage tiers.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

NEW QUESTION: 10

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 the Azure virtual machines to the on-premises virtual machines.
Solution: Use Azure Advisor.
Does this meet the goal?

A. No
B. Yes
Answer: (SHOW ANSWER)

NEW QUESTION: 11

You plan to use an Azure Storage account to store data assets.
You need to recommend a solution that meets the following requirements:
* Supports immutable storage
* Disables anonymous access to the storage account
* Supports access control list (ACL)-based Azure AD permissions
What should you include in the recommendation?
A. Azure Data Lake Storage
B. Azure NetApp Files
C. Azure Files
D. Azure Blob Storage
Answer: (SHOW ANSWER)

NEW QUESTION: 12

You plan to move a web application named App1 from an on-premises data center to Azure.
App1 depends on a custom COM component that is installed on the host server.
You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:
App1 must be available to users if an Azure data center becomes unavailable.
Costs must be minimized.
What should you include in the recommendation?
A. In two Azure regions, deploy a load balancer and a virtual machine scale set.
B. In two Azure regions, deploy a Traffic Manager profile and a web app.
C. In two Azure regions, deploy a load balancer and a web app.
D. Deploy a load balancer and a virtual machine scale set across two availability zones.

Answer: (SHOW ANSWER)
(https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service#com-and-com-components) Azure App Service does not allow the registration of COM components on the platform. If your app makes use of any COM components, these need to be rewritten in managed code and deployed with the site or application. https://docs.microsoft.com/en-us/dotnet/azure/migration/app-service
"Azure App Service with Windows Containers If your app cannot be migrated directly to App Service, consider App Service using Windows Containers, which enables usage of the GAC, COM components, MSIs, full access to .NET FX APIs, DirectX, and more."

NEW QUESTION: 13
You have the Azure resources shown in the following table.

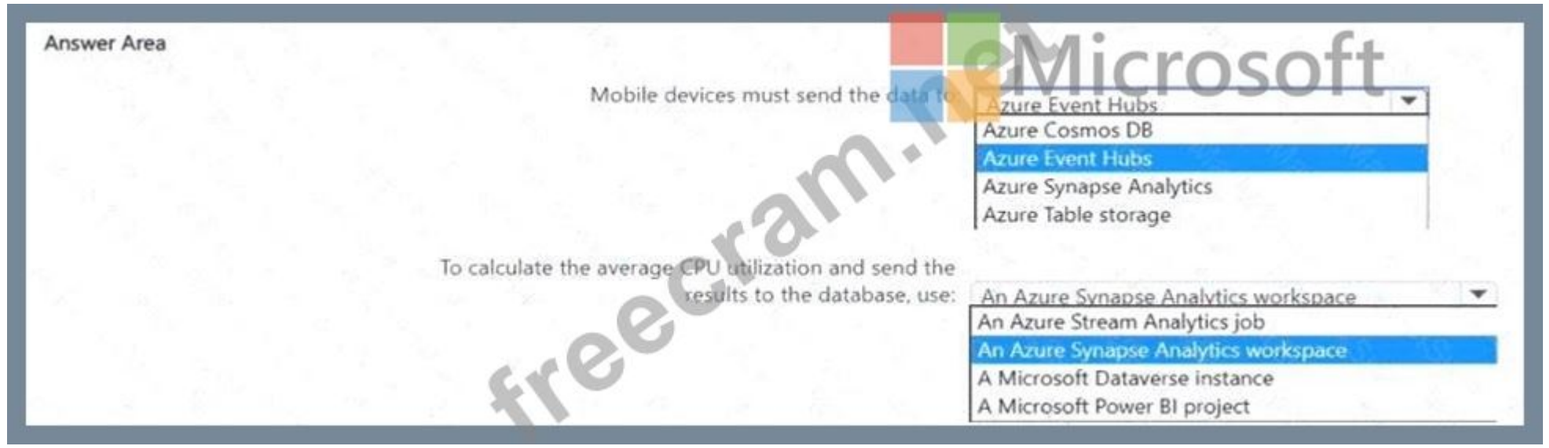
Name	Type	Location
US-Central-Firewall-policy	Azure Firewall policy	Central US
US-East-Firewall-policy	Azure Firewall policy	East US
EU-Firewall-policy	Azure Firewall policy	West Europe
USEastfirewall	Azure Firewall	Central US
USWestfirewall	Azure Firewall	East US
EUFirewall	Azure Firewall	West Europe

You need to deploy a new Azure Firewall policy that will contain mandatory rules for all Azure Firewall deployments. The new policy will be configured as a parent policy for the existing policies.
What is the minimum number of additional Azure Firewall policies you should create?
A. 0
B. 1
C. 2
D. 3
Answer: (SHOW ANSWER)
Firewall policies work across regions and subscriptions.
Place all your global configurations in the parent policy.
Note: Policies can be created in a hierarchy. You can create a parent/global policy that will contain configurations and rules that will apply to all/a number of firewall instances. Then you create a child policy that inherits from the parent; note that rules changes in the parent instantly appear in the child. The child is associated with a firewall and applies configurations/rules from the parent policy and the child policy instantly to the firewall.
Reference:
https://aidanfinn.com/?p=22006

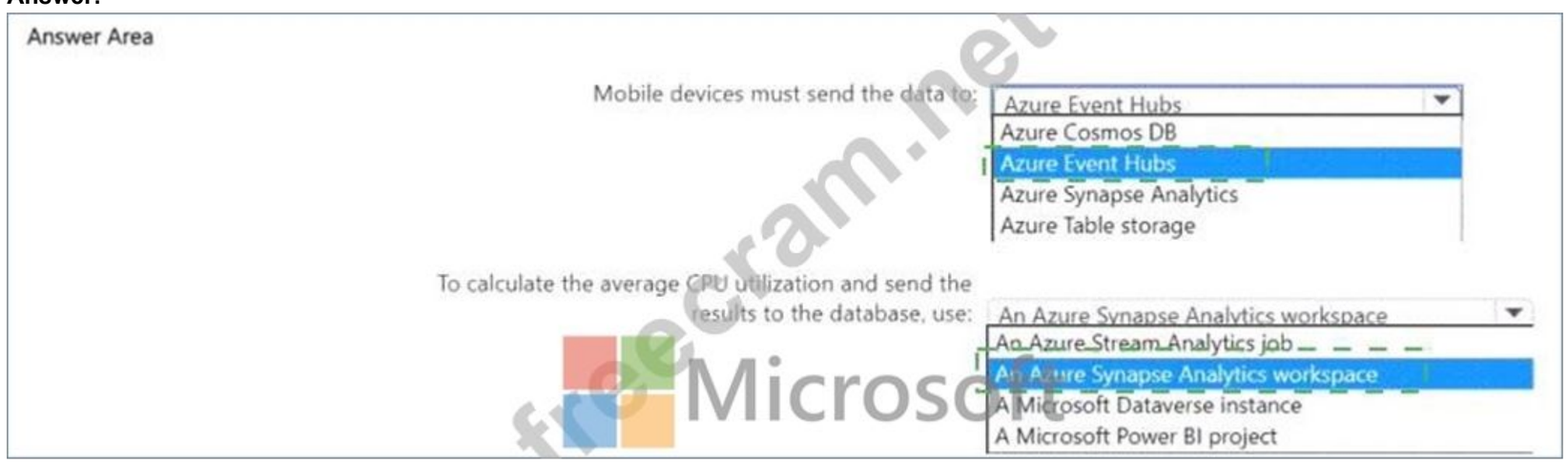
NEW QUESTION: 14
You have an Azure subscription.
You need to recommend a solution to provide developers with the ability to provision Azure virtual machines.
The solution must meet the following requirements:
* Only allow the creation of the virtual machines in specific regions.
* Only allow the creation 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)
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-policies#restrict-vm-size

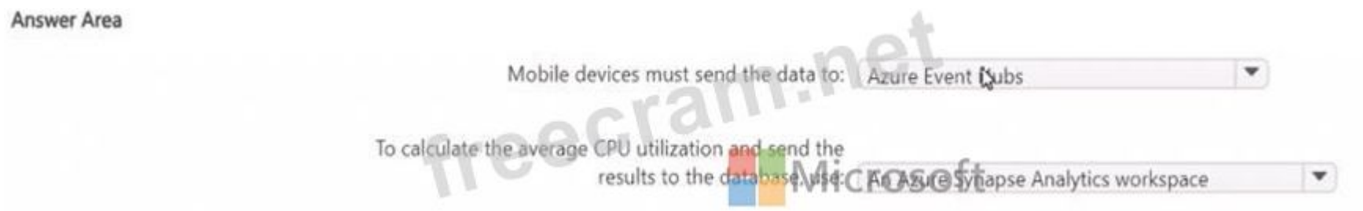
NEW QUESTION: 15
You have a mobile app that is deployed to 100,000 users. Each instance of the app collects usage data.
You have an Azure subscription.
You need to recommend a solution that meets the following requirements:
* Accepts the usage data from the app instances
* Calculates the average hourly CPU utilization of each app instance and writes the average to an Azure SQL database
* Minimizes costs and 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:



Explanation:



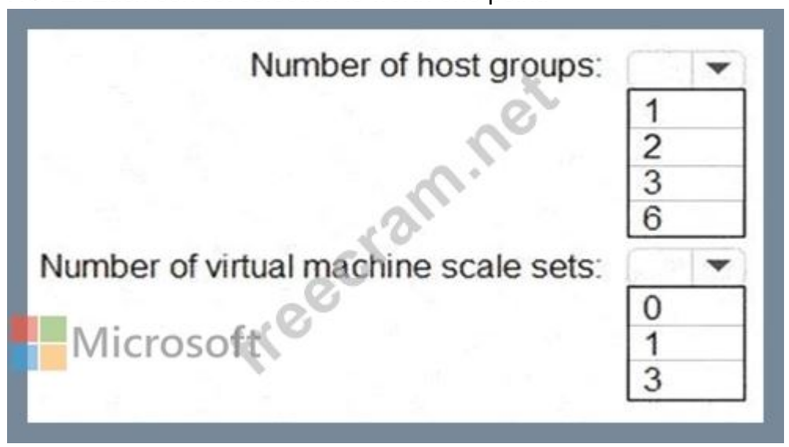
NEW QUESTION: 16

You plan to migrate App1 to Azure.

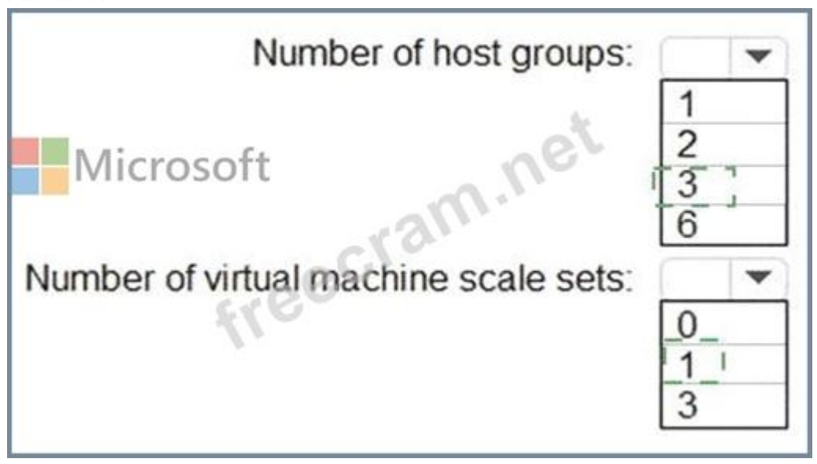
You need to recommend a high-availability solution for App1. The solution must meet the resiliency requirements.

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.



Answer:



Explanation:

Box 1: 3

Scenario: App1 must meet the following requirements:

Be hosted in an Azure region that supports availability zones.

Maintain availability if two availability zones in the local Azure region fail.

A host group is a resource that represents a collection of dedicated hosts. You create a host group in a region and an availability zone, and add hosts to it.

Use Availability Zones for fault isolation

Availability zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. A host group is created in a single availability zone. Once created, all hosts will be placed within that zone. To achieve high availability across zones, you need to create multiple host groups (one per zone) and spread your hosts accordingly.

Box 2: 1

Scenario: App1 must meet the following requirements:

Be hosted on Azure virtual machines that support automatic scaling.

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application.

Reference:

https://docs.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts

https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-overview

Topic 1, Litware, Inc

Case Study

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

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

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

To start the case study

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

Overview. General Overview

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

Overview. Physical Locations
Litware has a main office in Boston.
Existing Environment. Identity Environment
The network contains an Active Directory forest named Litware.com that is linked to an Azure Active Directory (Azure AD) tenant named Litware.com. All users have Azure Active Directory Premium P2 licenses.
Litware has a second Azure AD tenant named dev.Litware.com that is used as a development environment.
The Litware.com tenant has a conditional ac#ess 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 vitual machines hosted on Hyper-V	The vitual 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: 17
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:

Answer Area

Explanation:

NEW QUESTION: 18

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. blobs in an Azure Data Lake Storage Gen2 account.

B. files in a general purpose v2 storage account.

C. blobs in a general purpose v2 storage account
D. files in a premium file share storage account.
Answer: (SHOW ANSWER)

NEW QUESTION: 19
You have an on-premises Microsoft SQL Server database named SQL1.
You plan to migrate SQL 1 to Azure.
You need to recommend a hosting solution for SQL1. The solution must meet the following requirements:
* Support the deployment of multiple secondary, read-only replicas.
* Support automatic replication between primary and secondary replicas.
* Support failover between primary and secondary replicas within a 15-minute recovery time objective (RTO).

Answer:

Explanation:

NEW QUESTION: 20
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.

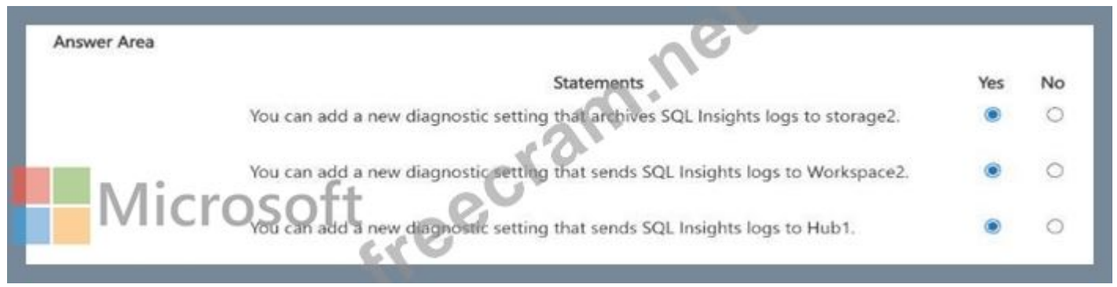
NOTE: Each correct selections is worth one point.

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	○	○

Answer:

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	○	○
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	○	○

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-configure

NEW QUESTION: 21

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.

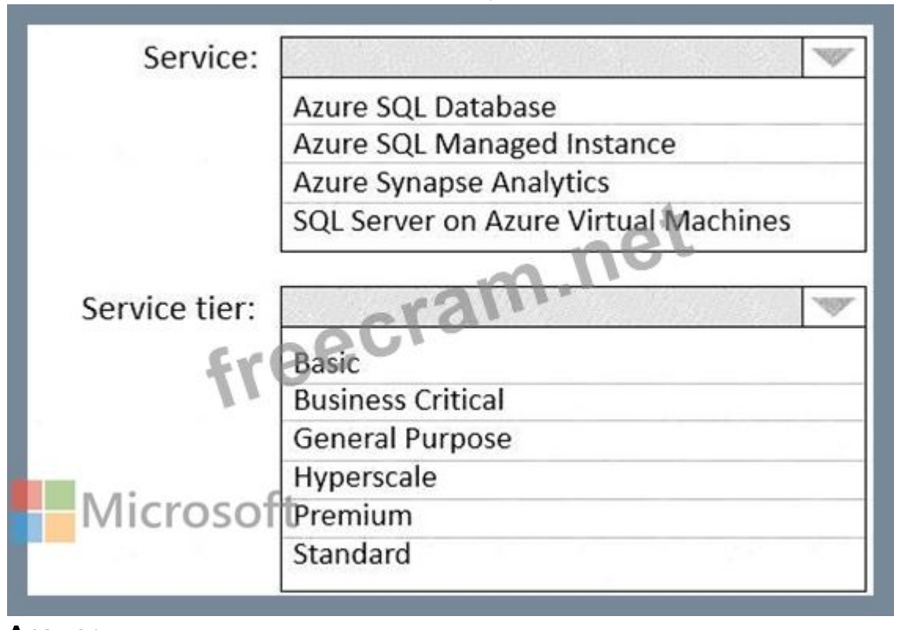
Support geo-redundant backups.

Support a database of up to 75 TB.

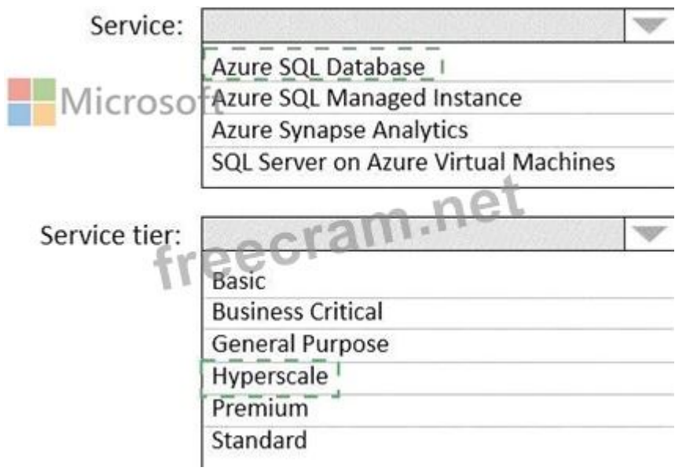
Be optimized for online transaction processing (OLTP).

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.



Answer:

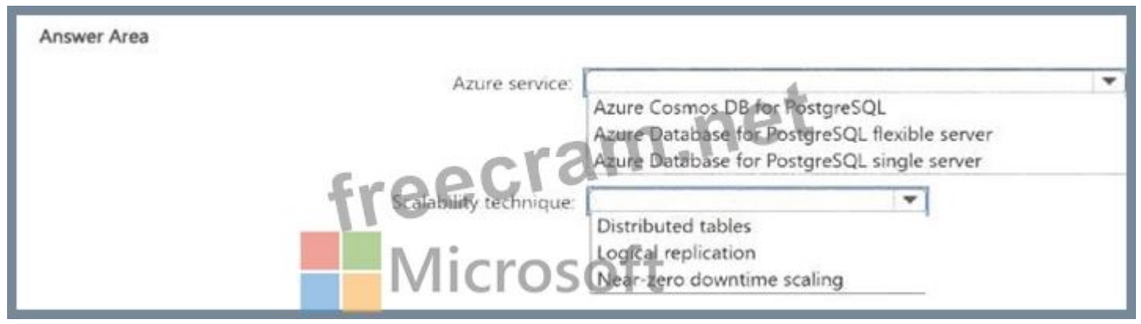


Explanation:
Box 1: Azure SQL Database
Azure SQL Database:
Database size always depends on the underlying service tiers (e.g. Basic, Business Critical, Hyperscale).
It supports databases of up to 100 TB with Hyperscale service tier model.
Active geo-replication is a feature that lets you to create a 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- comparison-azure-sql-vs-sql-server-vm-cf02578a1188

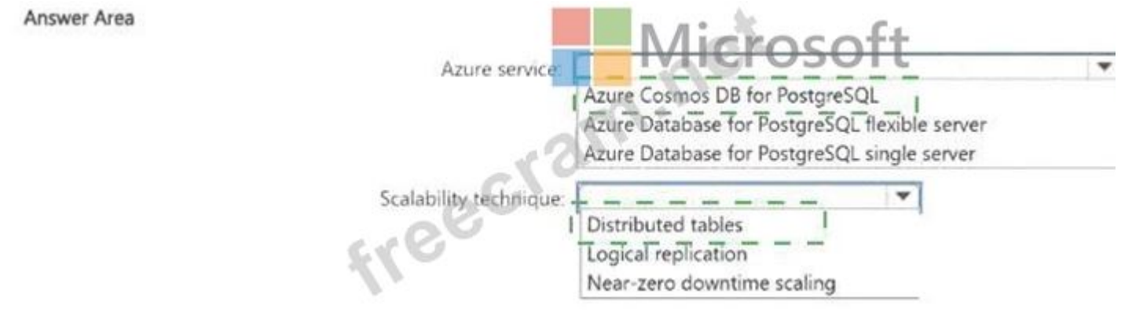
NEW QUESTION: 22
You have an Azure AD tenant.
You plan to deploy Azure Cosmos DB databases that will use the SQL API.
You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.
What should you include in the recommendation?
A. master keys and Azure Information Protection policies
B. shared access signatures (SAS) and Conditional Access policies
C. certificates and Azure Key Vault
D. a resource token and an Access control (IAM) role assignment
Answer: (SHOW ANSWER)

NEW QUESTION: 23
You have an Azure subscription.
You plan to deploy a high-throughput transactional workload that will use PostgreSQL.
You need to recommend a managed solution for storing relational data. The solution must meet the following requirements:
* Support the horizontal scaling of transactional writes by using row-based sharding.

* Minimize administrative effort.



Answer:



Explanation:

NEW QUESTION: 24

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

Name	Description
VM1	A Windows 11 image used as a jump box by multiple administrators
VM2	An Ubuntu image used as a syslog server for network devices

You need to recommend a logging solution for the virtual machines. The solution must meet the following requirements:

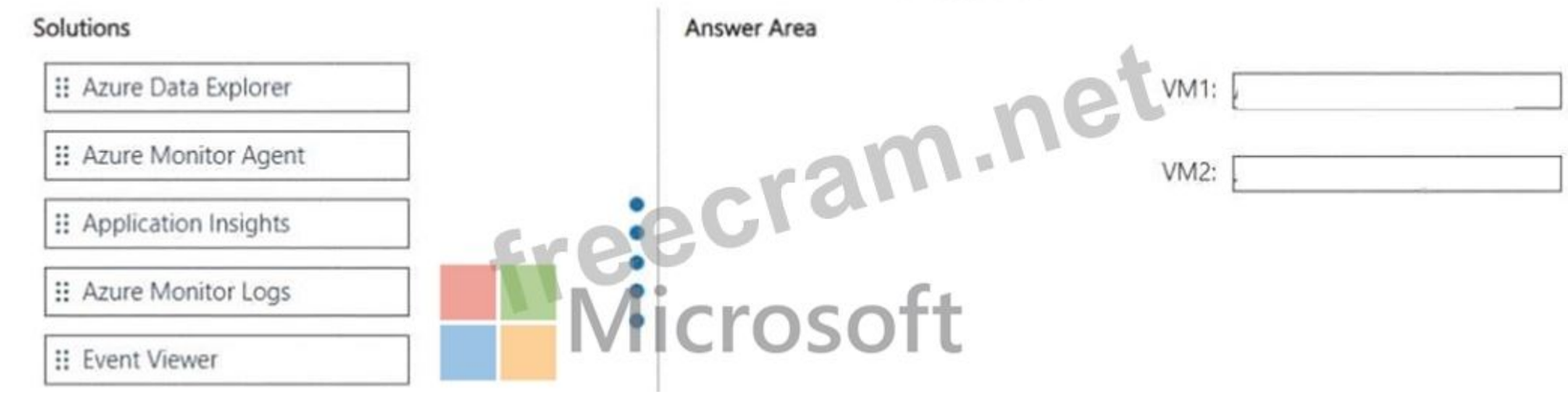
* Operating system logs from VM1 must be collected and stored in a Log Analytics workspace.

* Syslog data logs from VM2 must be archived to a storage account.

What solution should you include in the recommendation for each virtual machine? To answer, drag the appropriate solutions to the correct virtual machines.

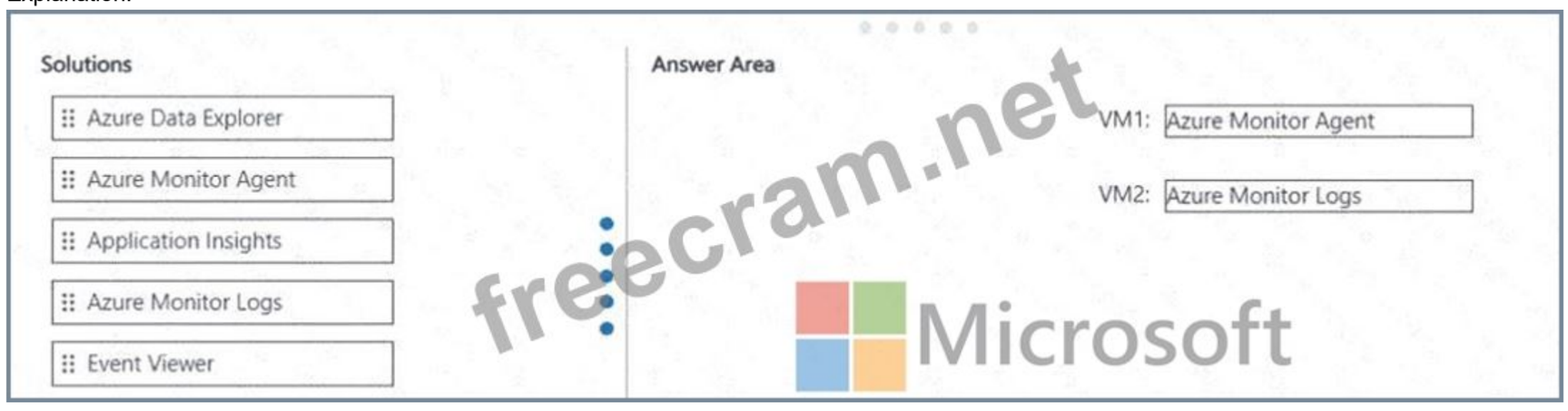
Each solution may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION: 25

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

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

Which AKS feature should you use?

A. leader election

B. Kubernetes controller type
C. startup probes
D. scheduling anti-affinity
Answer: (SHOW ANSWER)

NEW QUESTION: 26
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)
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: 27
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)
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

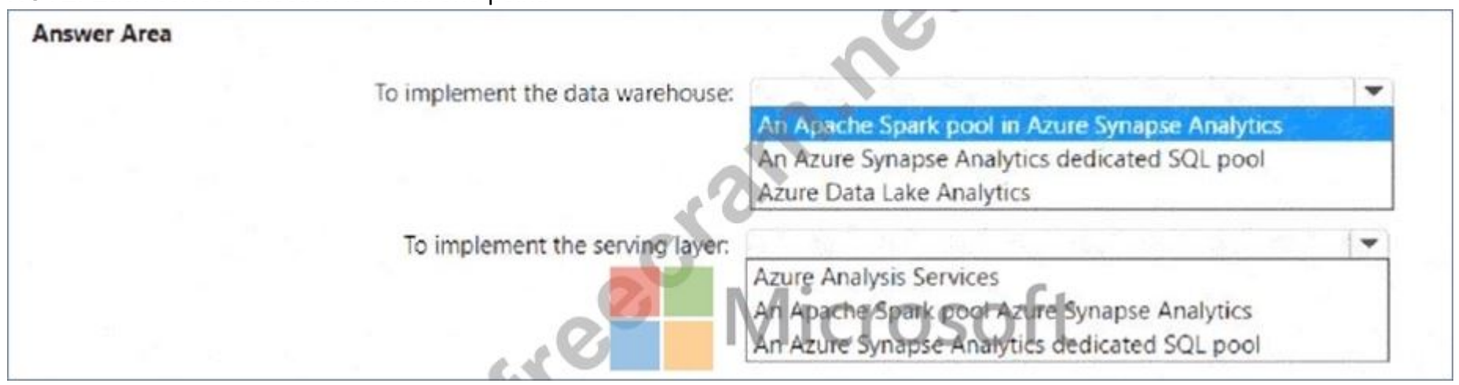
NEW QUESTION: 28
You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:
* Database updates will be exported periodically into a staging area 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.

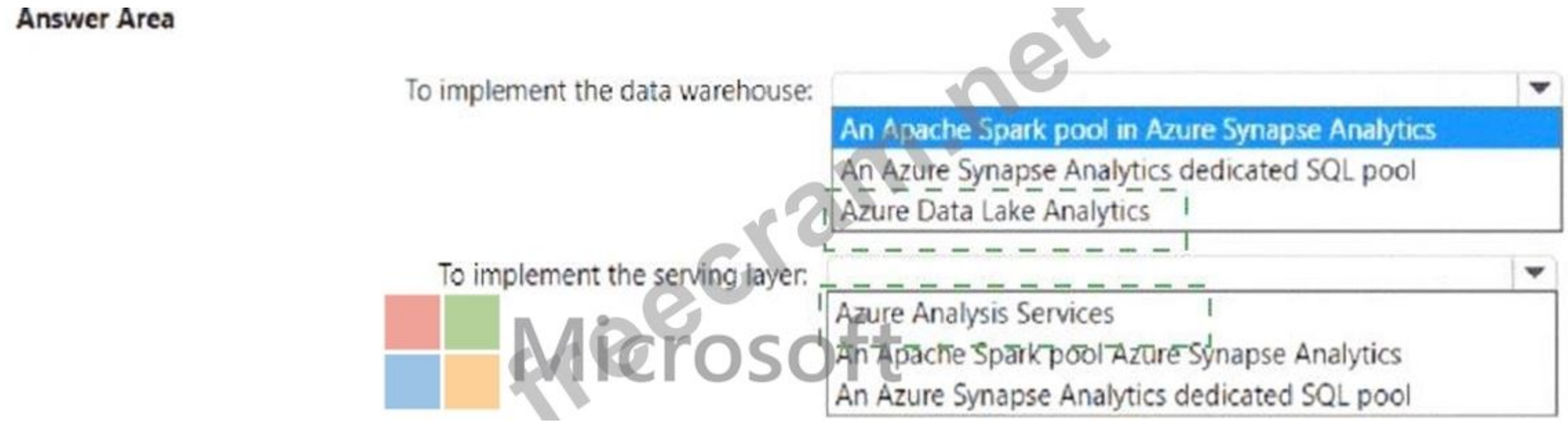
You need to implement the data warehouse and serving layers.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

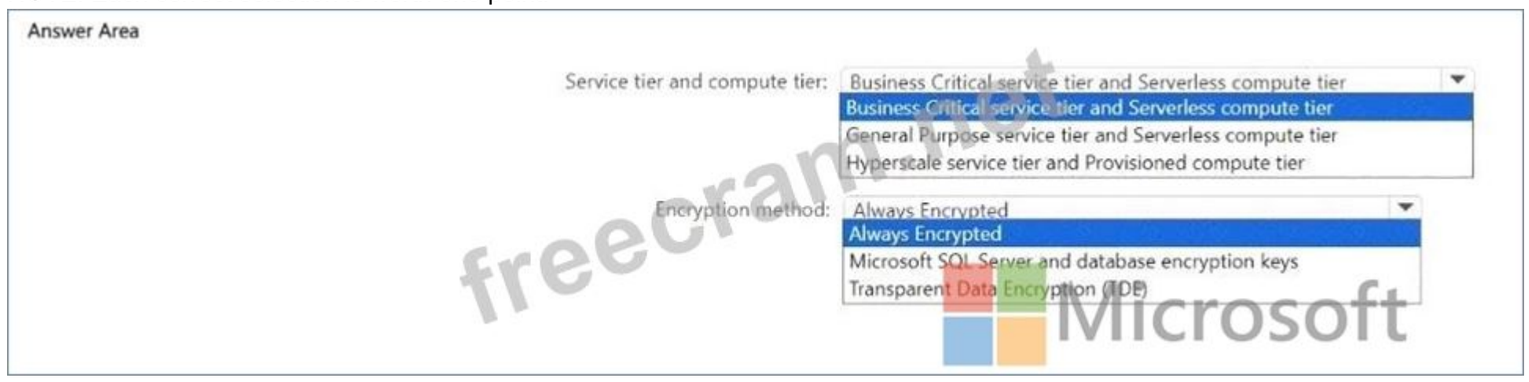
NEW QUESTION: 29

You have an Azure subscription that contains 1,000 virtual machines and a Log Analytics workspace named Workspace 1.

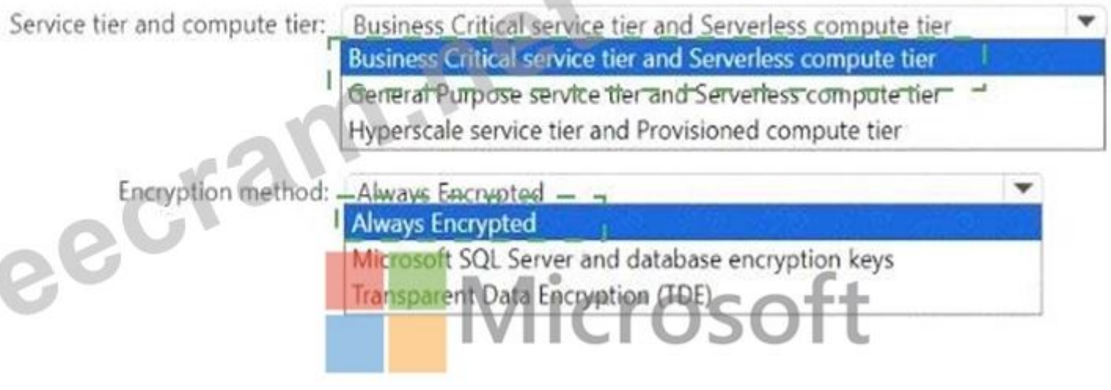
You plan to collect custom JSON logs from the virtual machines and store the logs in a custom table in Workspace1.

You need to ensure that the logs are collected by using the Logs Ingestion API. The solution must prevent access to Workspace1 from the internet.
What should you include in the solution?
A. Service Connector
B. an Azure Monitor Private Link Scope (AMPLS)
C. an Azure Peering Service connection
D. the linked storage account of Workspace1
Answer: (SHOW ANSWER)

NEW QUESTION: 30
You are building an Azure web app that will store the Personally Identifiable Information (PII) of employees.
You need to recommend an Azure SQL Database solution for the web app. The solution must meet the following requirements:
* Maintain availability in the event of a single datacenter outage.
* Support the encryption of specific columns that contain PII.
* Automatically scale up during payroll operations.
* Minimize costs.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:
Answer Area

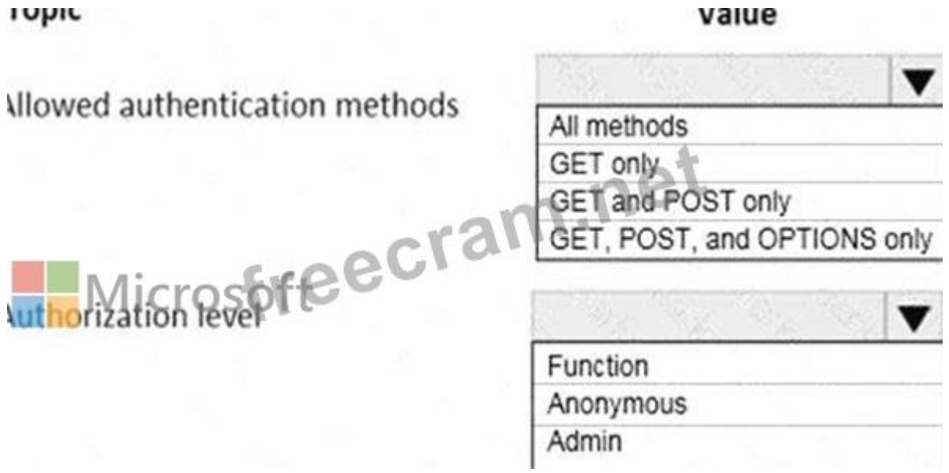


Explanation:

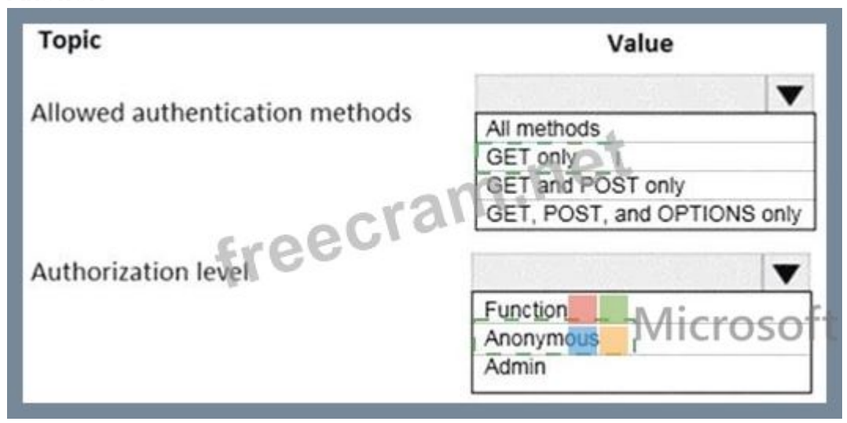
Answer Area

NEW QUESTION: 31
You have a landing zone that contains multiple Azure subscriptions.
You need to automate the deployment of resources to the subscriptions. The solution must meet the following requirements:
* Support parameters.
* Support versioning and source control.
Which two options can you use? Each correct answer presents a complete so-lution.
NOTE Each correct selection is worth one point.
A. Azure Functions
B. Azure Resource Manager (ARM) templates
C. Bleep files
D. Azure Automation
E. Azure Policy
Answer: (SHOW ANSWER)

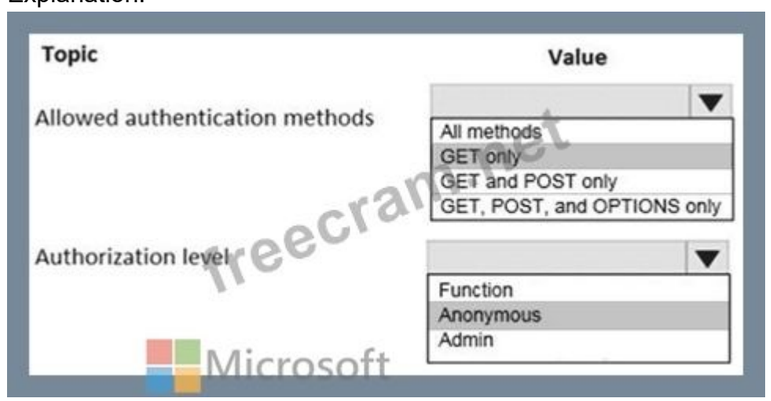
NEW QUESTION: 32
A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders.
The API must meet the following requirements:
Implement Azure Functions
Provide public read-only operations
Do not allow write operations
You need to recommend configuration options.
What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



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.

rences:
https://docs.microsoft.com/en-us/azure/app-service/overview-authentication-authorization

NEW QUESTION: 33
You need to implement the Azure RBAC role assignments for the Network Contributor role. The solution must meet the authentication and authorization requirements.
What is the minimum number of assignments that you must use?
A. 1
B. 2
C. 5
D. 10
E. 15
Answer: (SHOW ANSWER)
Scenario: The Network Contributor built-in RBAC role must be used to grant permissions to the network administrators for all the virtual networks in all the Azure subscriptions.
RBAC roles must be applied at the highest level possible.

NEW QUESTION: 34
You have the Azure management groups shown in the following table.

Name	Parent
Tenant Root Group	*Not applicable*
MG1	Tenant
MG2	Tenant

You have the Azure subscriptions shown in the following table.

Name	Management group
Sub1	Tenant
Sub2	MG1
Sub3	MG2
Sub4	MG1

You have the virtual machines shown in the following table.

Name	Subscription	Location
VM1	Sub1	East US
VM2	Sub2	East US
VM3	Sub3	East US

You have the resource groups shown in the following table.

Name	Subscription	Location	Resource
RG1	Sub1	East US	VM1
RG2	Sub2	West US	VM2
RG3	Sub3	East US	VM3

You have the Azure policies shown in the following table.
You perform the following actions:
* Assign PA1 to MG1.
* Modify PA2 and configure the resource selector to include only Microsoft.Compute/virtualMachines in the East US Azure region.

* Modify PA3 and add an exclusion for Sub1.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION: 35

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

* Support 15.000 disk IOPS.
* Support SR-IOV.
* Minimize costs.

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

Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION: 36

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

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

What should you recommend?

A. tables in an Azure Storage account that use geo-redundant storage (GRS)

B. an Azure SQL Database elastic pool that uses active geo-replication

C. an Azure SQL database that uses active geo-replication

D. tables in an Azure Storage account that use read-access geo-redundant storage (RA-GRS)

Answer: (SHOW ANSWER)

NEW QUESTION: 37

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:

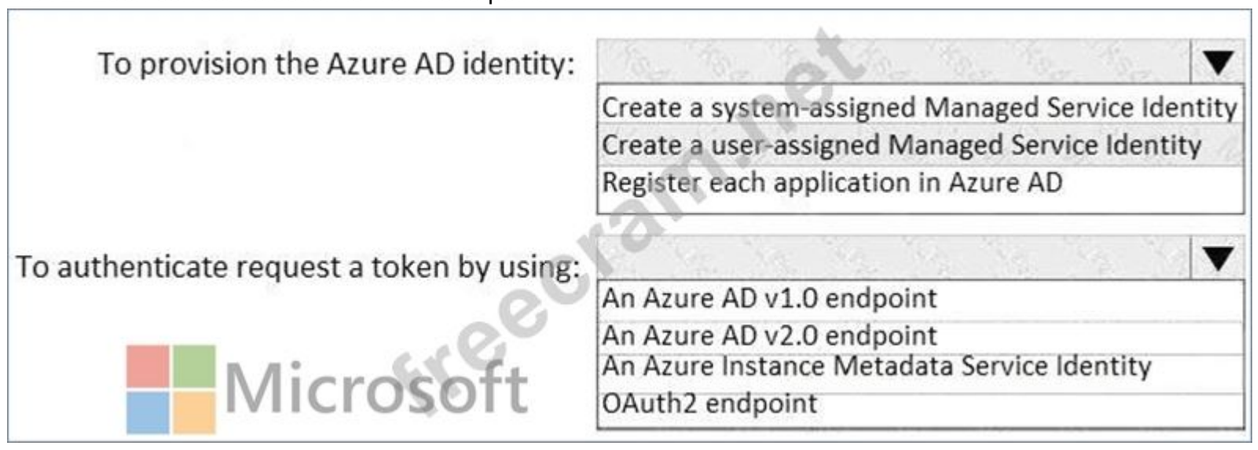
* Support server-side transactions across DB1 and DB2.
* Minimize administrative effort.

What should you recommend?

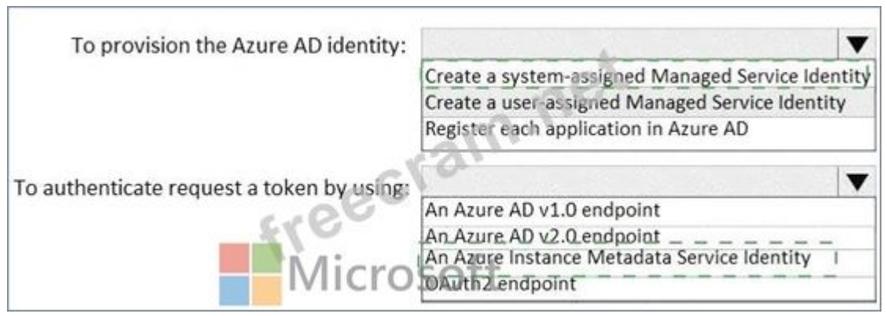
A. two databases on the same Azure SQL managed instance
B. two databases on the same SQL Server instance on an Azure virtual machine
C. two Azure SQL databases in an elastic pool
D. two Azure SQL databases on different Azure SQL Database servers
Answer: (SHOW ANSWER)

NEW QUESTION: 38
You have an Azure web app that uses an Azure key vault named KeyVault1 in the West US Azure region.
You are designing a disaster recovery plan for KeyVault1.
You plan to back up the keys in KeyVault1.
You need to identify to where you can restore the backup.
What should you identify?
A. any region worldwide
B. KeyVault1 only
C. the same region only
D. the same geography only
Answer: (SHOW ANSWER)

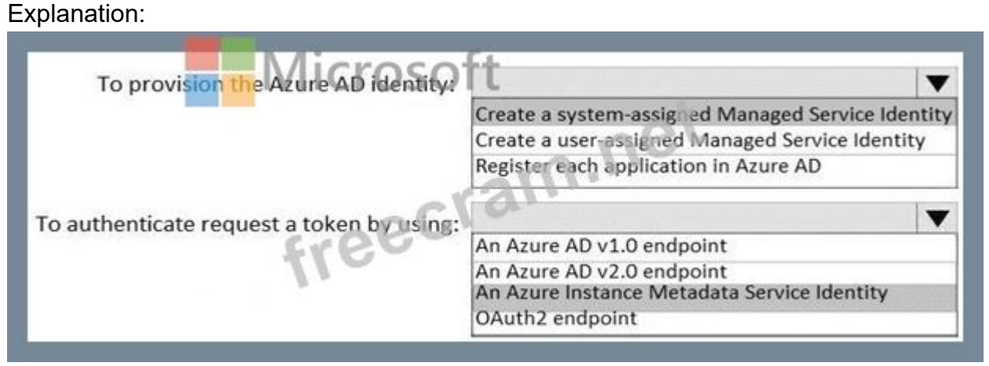
NEW QUESTION: 39
You have five .NET Core applications that run on 10 Azure virtual machines in the same subscription.
You need to recommend a solution to ensure that the applications can authenticate by using the same Azure Active Directory (Azure AD) identity. The solution must meet the following requirements:
Ensure that the applications can authenticate only when running on the 10 virtual machines.
Minimize administrative effort.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



NEW QUESTION: 40

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

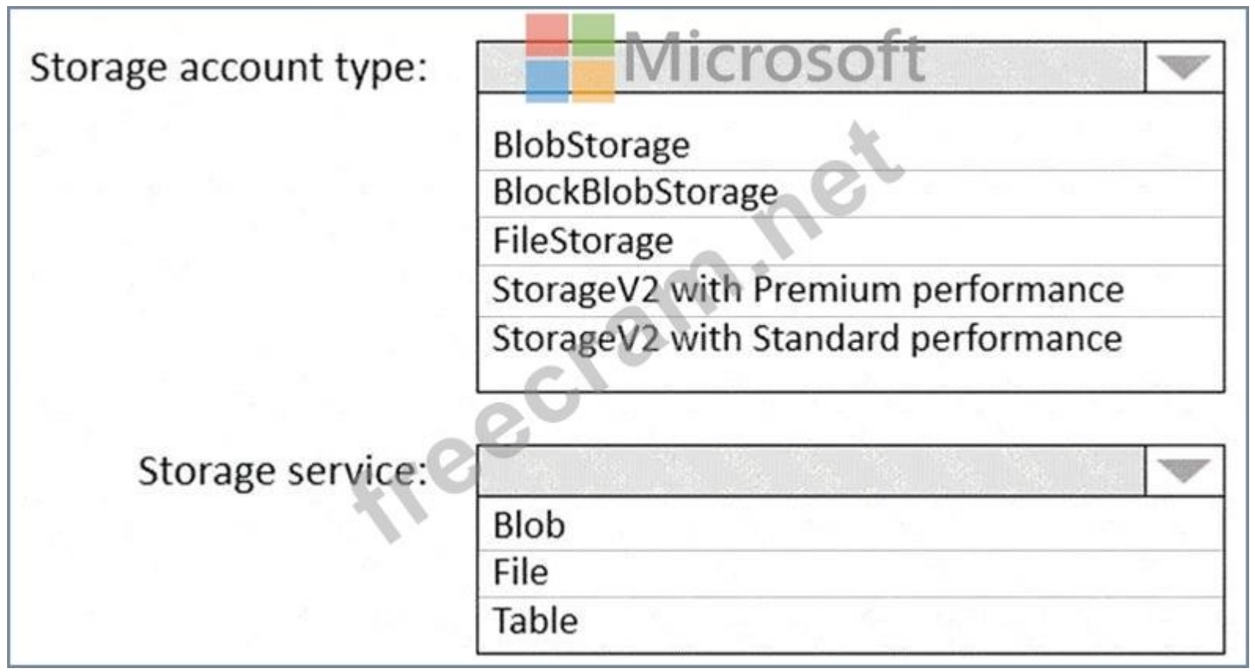
Maximize data throughput.

Prevent the modification of data for one year.

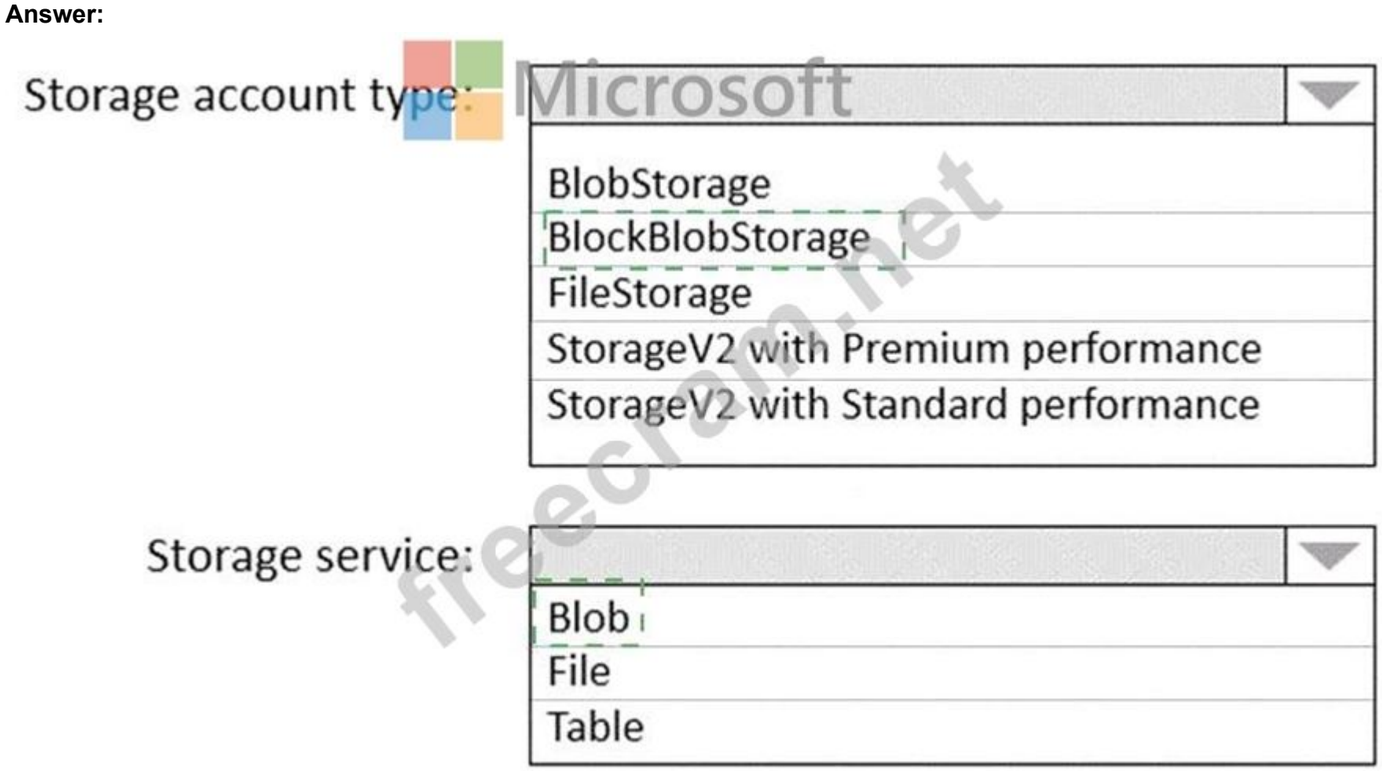
Minimize latency for read and write operations.

Which Azure Storage account type and storage service should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

Box 1: BlockBlobStorage

Block Blob is a premium storage account type for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.
Box 2: Blob
The Archive tier is an offline tier for storing blob data that is rarely accessed. The Archive tier offers the lowest storage costs, but higher data retrieval costs and latency compared to the online tiers (Hot and Cool).
Data must remain in the Archive tier for at least 180 days or be subject to an early deletion charge.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/archive-blob

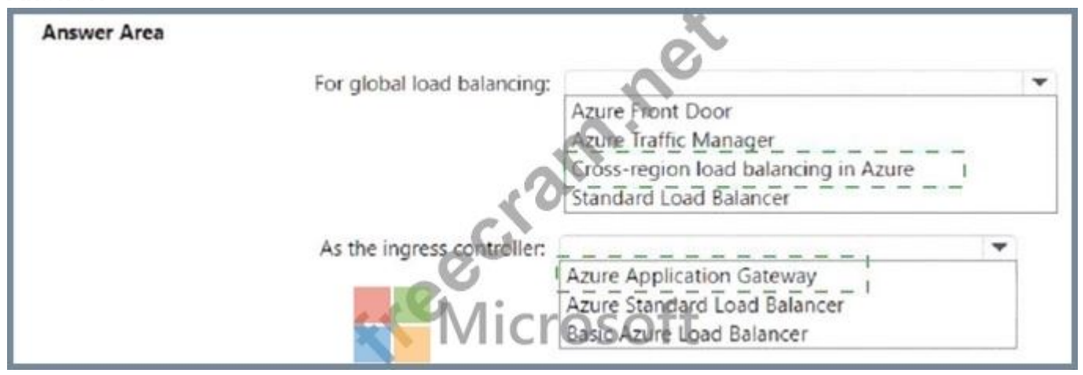
NEW QUESTION: 41
You plan to deploy an Azure SQL database that will store Personally Identifiable Information (PII). You need to ensure that only privileged users can view the PII.
What should you include in the solution?
A. Transparent Data Encryption (TDE)
B. dynamic data masking
C. Data Discovery & Classification
D. role-based access control (RBAC)
Answer: B (LEAVE A REPLY)

NEW QUESTION: 42
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 are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases.
You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.
Solution: Create a separate resource group for each department. Place the resources for each department in its respective resource group.
Does this meet the goal?
A. Yes
B. No
Answer: (SHOW ANSWER)
Instead create a resources group for each resource type. Assign tags to each resource group.
Note: Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags

NEW QUESTION: 43
You plan to deploy a containerized web app that will be hosted in five Azure Kubernetes Service (AKS) clusters. Each cluster will be hosted in a different Azure region.
You need to provide access to the app from the internet. The solution must meet the following requirements:
* Incoming HTTPS requests must be routed to the cluster that has the lowest network latency.
* HTTPS traffic to individual pods must be routed via an ingress controller.
* In the event of an AKS cluster outage, failover time must be minimized.

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

Answer:



Explanation:

NEW QUESTION: 44

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

You have an Azure subscription.

You need to migrate DB1 to an Azure SQL managed instance. The solution must meet the following requirements:

* Support offloading read-only workloads to secondary replicas.
* Provide resiliency in the event of an Azure region outage.
* Support up to 16 TB of storage.
* Minimize costs.

Which service tier and feature should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each connect selection is worth one point.

Answer:

Explanation:

NEW QUESTION: 45

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 Failover Cluster Instance that has a virtual network name (VNN) and a premium file share

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

C. an Always On availability group that has premium storage disks and a distributed network name (DNN)

D. an Always On availability group that has premium storage disks and a virtual network name (VNN)

Answer: (SHOW ANSWER)

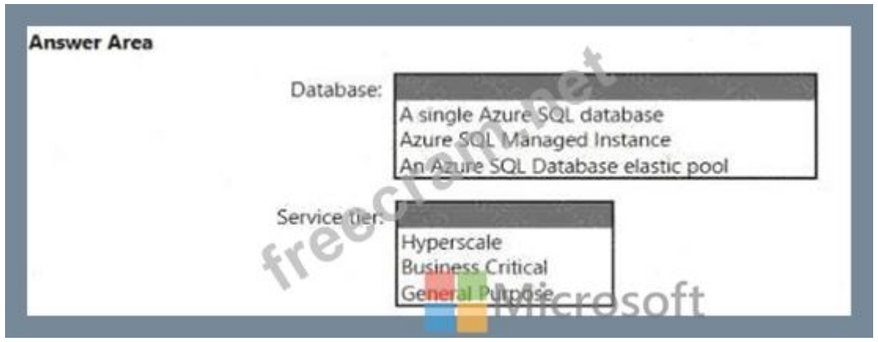
NEW QUESTION: 46

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.

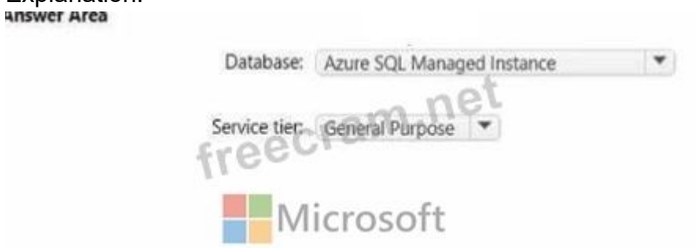
What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



Topic 2, Fabrikam inc Case Study A

Overview:

Existing Environment

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

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R & D) department only. The R & D department is restricted to using on-premises resources only.

Network Infrastructure:

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

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

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

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

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

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements:
Planned Changes:
Fabrikam plans to move most of its production workloads to Azure during the next few years.
As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment All R & D operations will remain on-premises.
Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.
Technical Requirements:
Fabrikam identifies the following technical requirements:
* Web site content must be easily updated from a single point.
* User input must be minimized when provisioning new app instances.
* Whenever possible, existing on premises licenses must be used to reduce cost.
* Users must always authenticate by using their corp.fabrikam.com UPN identity.
* Any new deployments to Azure must be redundant in case an Azure region fails.
* Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
* An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
* Directory synchronization between Azure Active Directory (Azure AD) and corp.fabhkam.com must not be affected by a link failure between Azure and the on premises network.
Database Requirements:
Fabrikam identifies the following database requirements:
* Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
* To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
* Database backups must be retained for a minimum of seven years to meet compliance requirement Security Requirements:
Fabrikam identifies the following security requirements:
*Company information including policies, templates, and data must be inaccessible to anyone outside the company
*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
*Administrators must be able authenticate to the Azure portal by using their corp.fabrikam.com credentials.
*All administrative access to the Azure portal must be secured by using multi-factor authentication.
*The testing of WebApp1 updates must not be visible to anyone outside the company.

NEW QUESTION: 47
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:

Explanation:

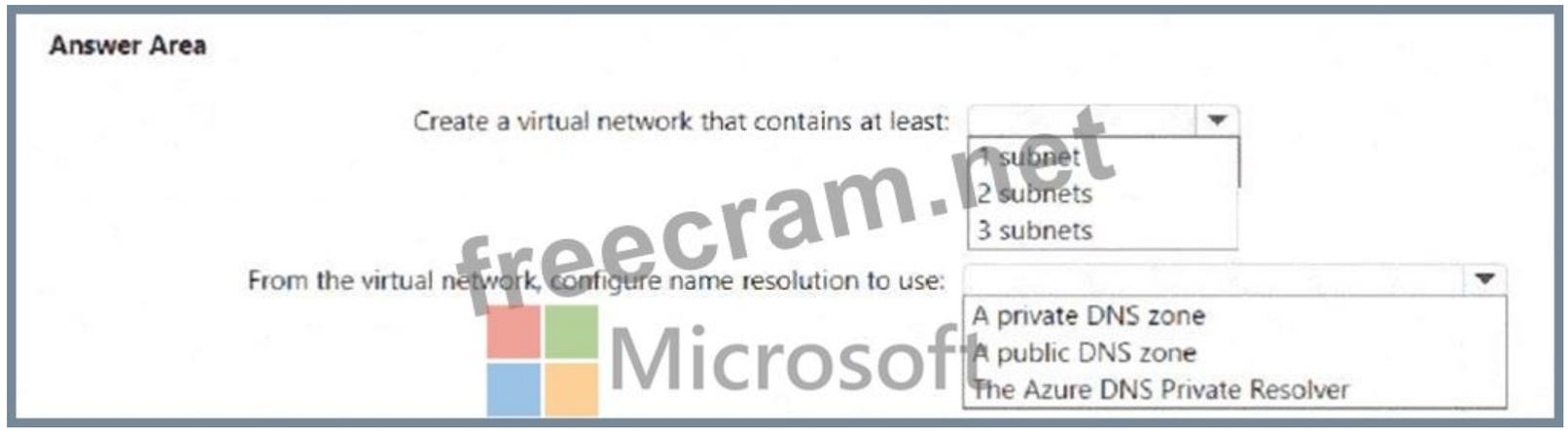
NEW QUESTION: 48

You have an Azure App Service web app named Webapp1 that connects to an Azure SQL database named DB1. Webapp1 and DB1 are deployed to the East US Azure region.

You need to ensure that all the traffic between Weoapp1 and DB1 is sent via a private connection.

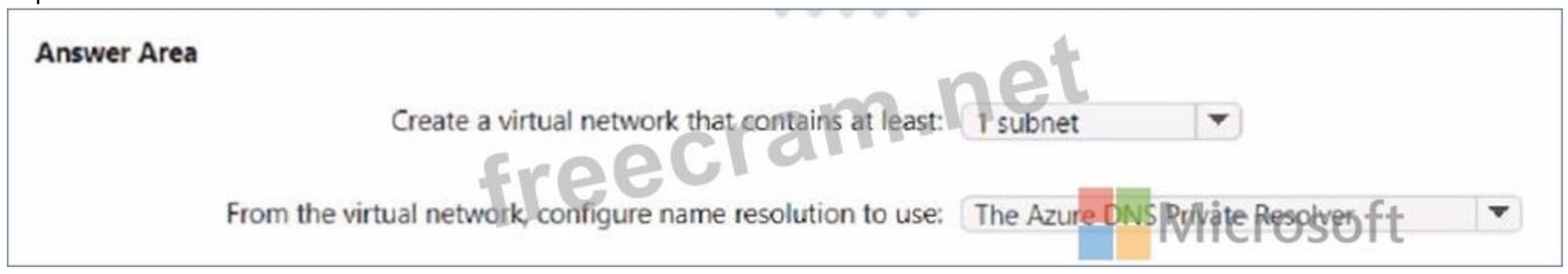
What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:

Explanation:



NEW QUESTION: 49

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

You identity 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 severs.

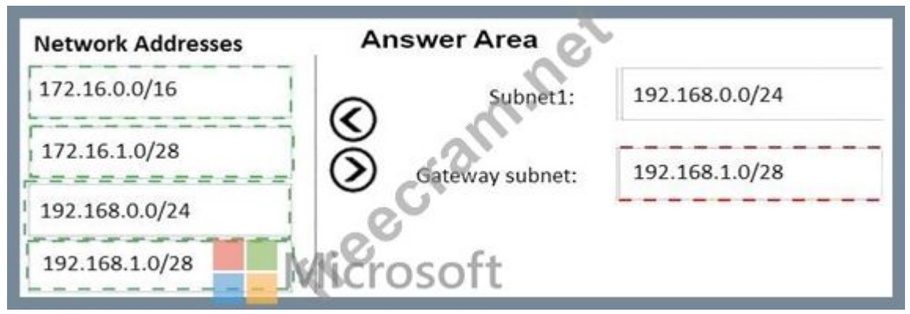
The servers must be able to communicate between the on-premises network and Azure by using a site to site VPN.

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

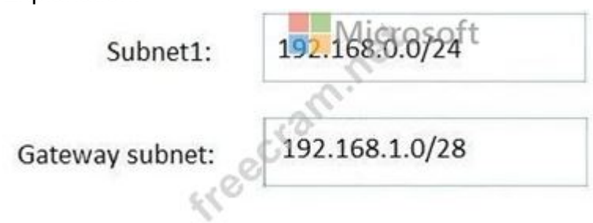
What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer:



Explanation:



NEW QUESTION: 50

You plan to archive 10 TB of on-premises data files to Azure.
You need to recommend a data archival solution. The solution must minimize the cost of storing the data files.
Which Azure Storage account type should you include in the recommendation?

A. Standard StorageV2 (general purpose v2)
B. Standard Storage (general purpose v1)
C. Premium StorageV2 (general purpose v2)
D. Premium Storage (general purpose v1)

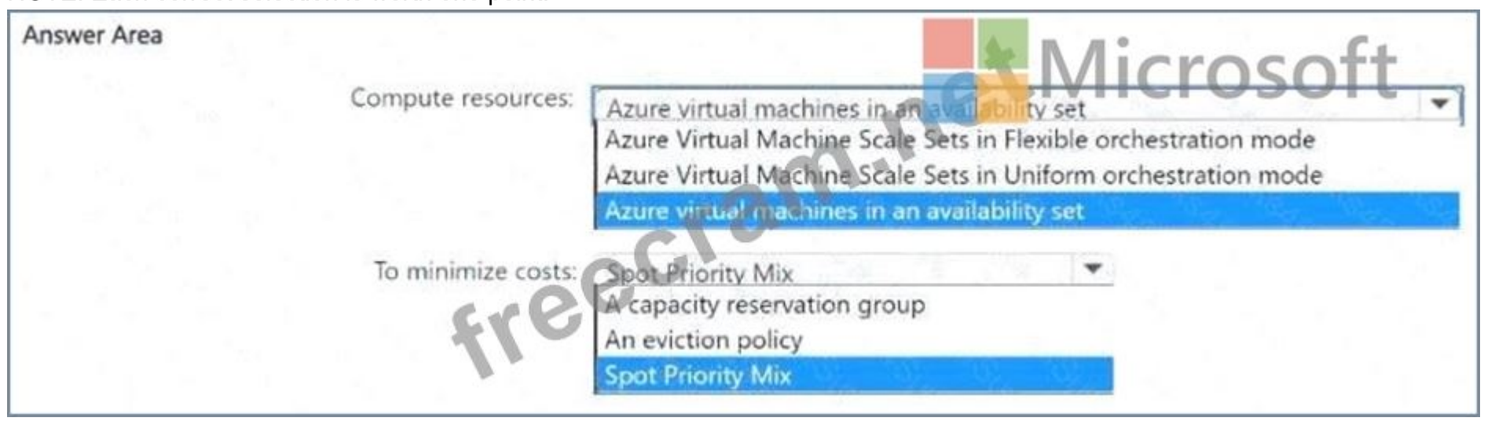
Answer: (SHOW ANSWER)

Standard StorageV2 supports the Archive access tier, which would be the cheapest solution.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-introduction

NEW QUESTION: 51

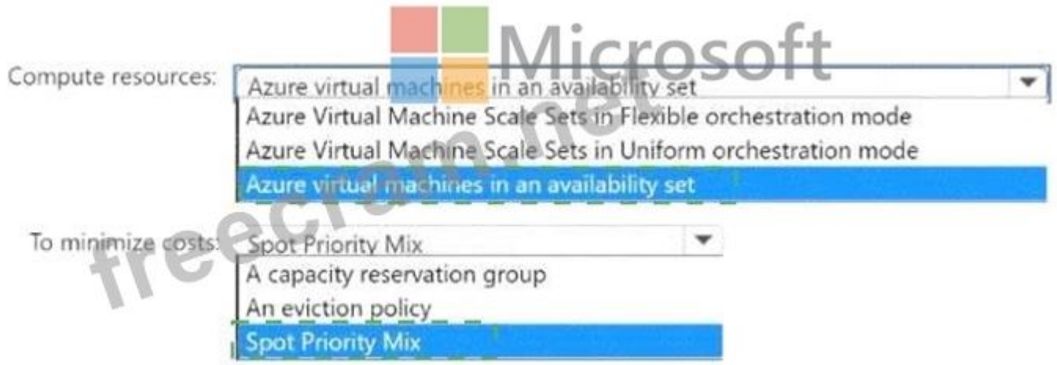
Your company plans to publish APIs for its services by using Azure API Management.
You discover that service responses include the AspNet-Version header.
You need to recommend a solution to remove AspNet-Version from the response of the published APIs.
What should you include in the recommendation?
A. a new product
B. a modification to the URL scheme
C. a new policy
D. a new revision
Answer: (SHOW ANSWER)
References:
https://docs.microsoft.com/en-us/azure/api-management/transform-api

NEW QUESTION: 52
You have an on-premises web server farm that contains 10 servers. The servers run Windows Server 2016 and host a .NET Framework application named Appl. The state data for App1 is maintained by using a database named DB1. The usage patterns of App1 vary significantly.
You plan to perform the following actions:
* Migrate App1 to Azure.
* Migrate DB1 to an Azure SQL database.
You need to recommend a virtual machine-based solution to host App1. The solution must meet the following requirements;
* Minimize how long it takes to scale out resources during surges in demand for App1.
* Ensure minimum capacity availability of the virtual machines at all times.
* Ensure that the solution can be recovered if an Azure region fails.
* Minimize compute costs.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



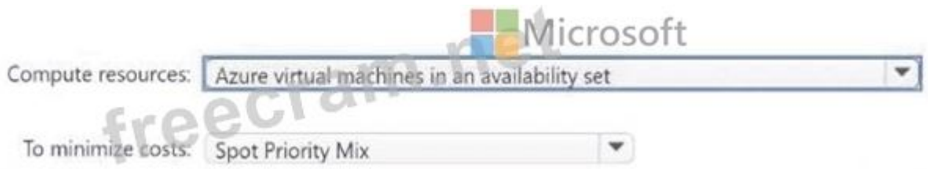
Answer:

Answer Area



Explanation:

Answer Area



NEW QUESTION: 53

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

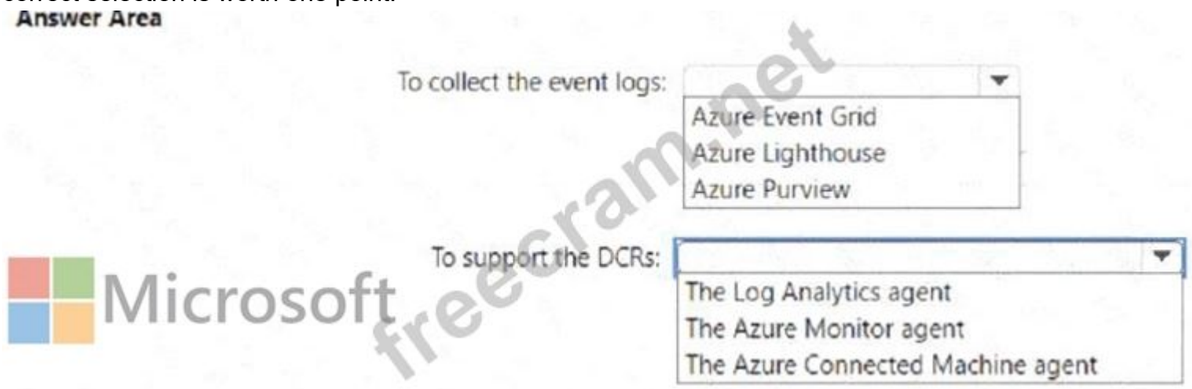
You plan to collect Windows security events from the virtual machines and send them to a single Log Analytics workspace.

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

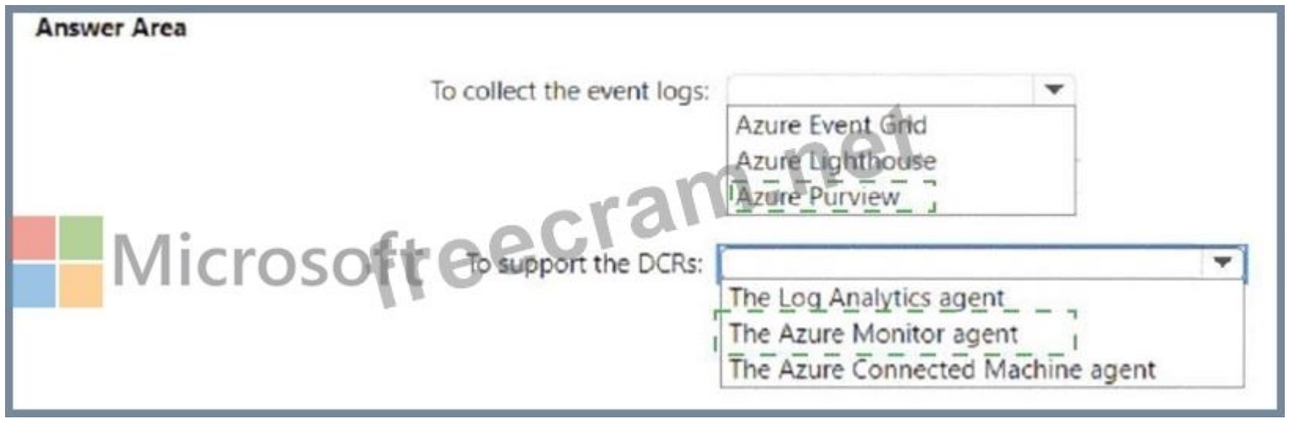
* Collects event logs from multiple subscriptions

* Supports the use of data collection rules (DCRs) to define which events to collect What should you recommend for each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area



Answer:



Explanation:

NEW QUESTION: 54

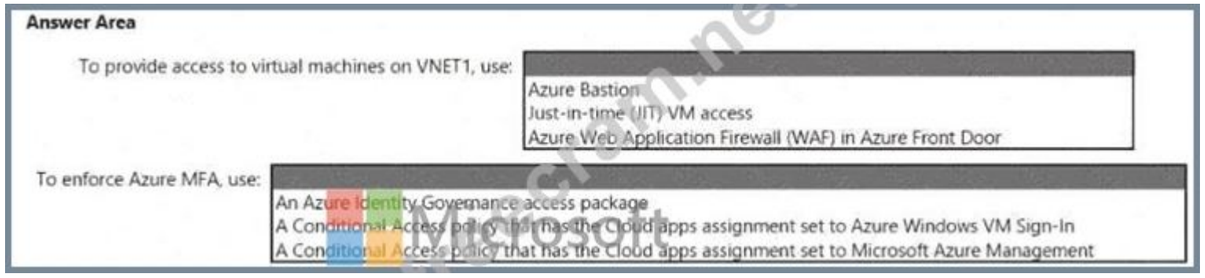
You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

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

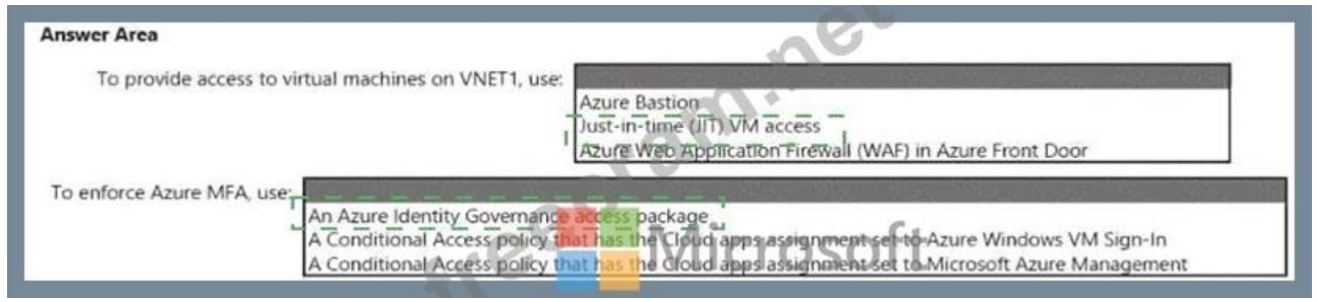
* Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
* Incoming connections must use TLS and connect to TCP port 443.
* The solution must support RDP and SSH.

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:



Explanation:

NEW QUESTION: 55

Your company deploys several Linux and Windows virtual machines (VMs) to Azure. The VMs are deployed with the Microsoft Dependency Agent and the Log Analytics Agent installed by using Azure VM extensions.

On-premises connectivity has been enabled by using Azure ExpressRoute.

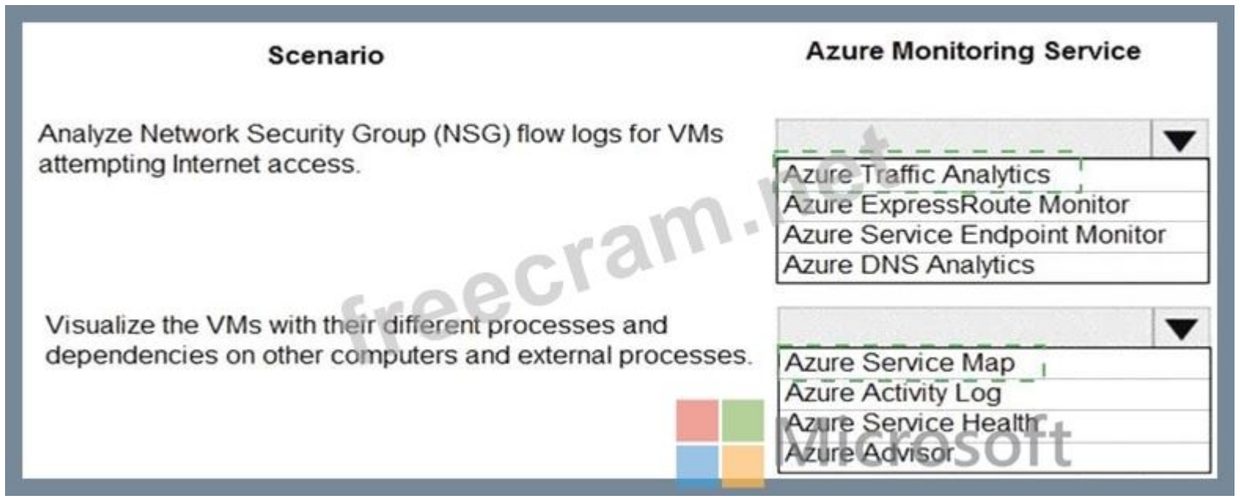
You need to design a solution to monitor the VMs.

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

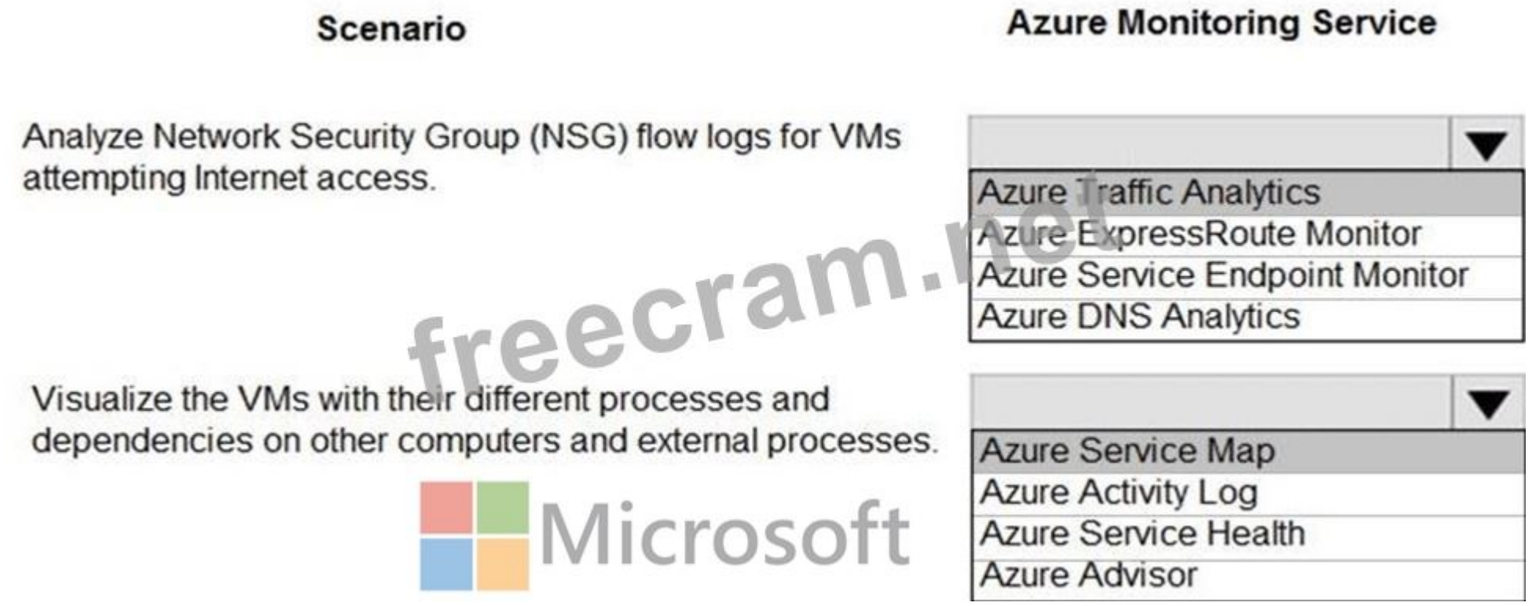
NOTE: Each correct selection is worth one point.

Scenario	Azure Monitoring Service
Analyze Network Security Group (NSG) flow logs for VMs attempting Internet access.	Azure Traffic Analytics Azure ExpressRoute Monitor Azure Service Endpoint Monitor Azure DNS Analytics
Visualize the VMs with their different processes and dependencies on other computers and external processes.	Azure Service Map Azure Activity Log Azure Service Health Azure Advisor

Answer:



Explanation:



Box 1: Azure Traffic Analytics

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.

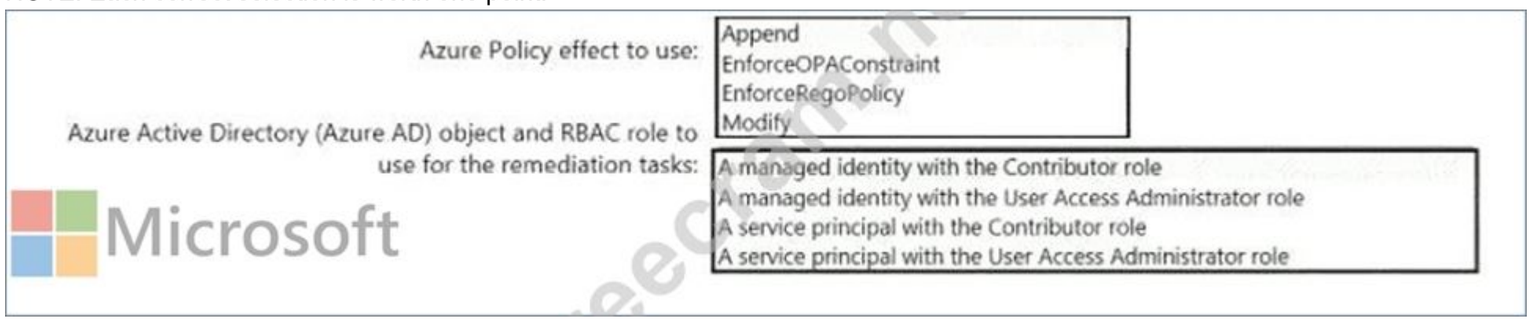
Understand traffic flow patterns across Azure regions and the internet to optimize your network deployment for performance and capacity.

Pinpoint network misconfigurations leading to failed connections in your network.

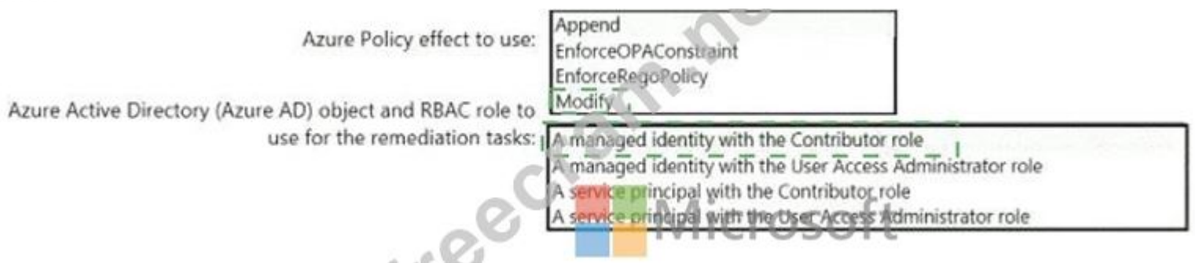
Box 2: Azure Service Map

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.
References:
https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics
https://docs.microsoft.com/en-us/azure/azure-monitor/insights/service-map

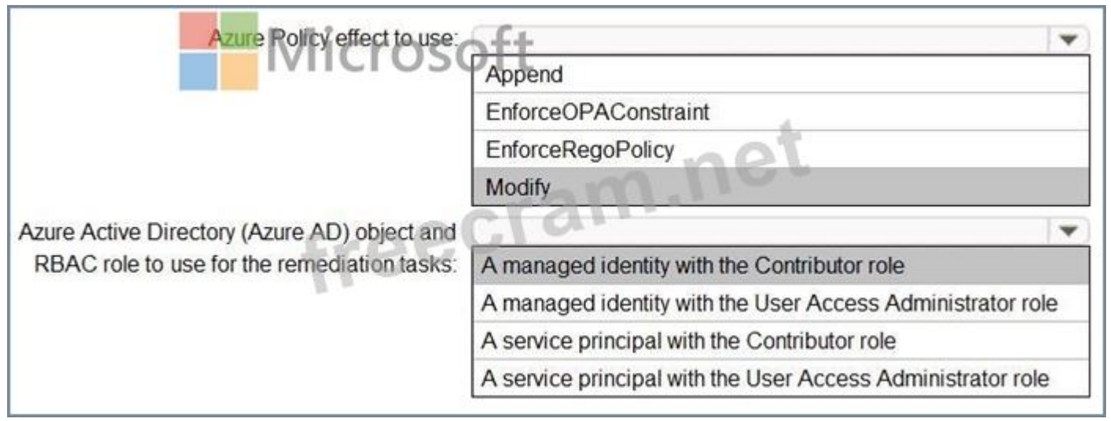
NEW QUESTION: 56
You need to design an Azure policy that will implement the following functionality:
* For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.
* For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.
* For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values.
The solution must use the principle of least privilege.
What should you include in the design? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



Box 1: Modify

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

Box 2: A managed identity with the Contributor role

Managed identity

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

Contributor role

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

Reference:

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

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

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

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

NEW QUESTION: 57

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

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

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

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

Support rate limiting.

Balance requests between all instances.

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

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

Does this meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

NEW QUESTION: 58
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: (SHOW ANSWER)
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: 59
You have an Azure subscription.
You plan to deploy an app named App1 that will be hosted on multiple virtual machines. App1 requires a service-level agreement (SLA) of 99.99%.
You need to recommend a high availability solution for the virtual machines.
What should you include in the recommendation?
A. availability zones
B. Azure Site Recovery
C. application groups
D. availability sets
Answer: (SHOW ANSWER)

NEW QUESTION: 60
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)
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: 61
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: C,D (LEAVE A REPLY)
Connectivity can be from an any-to-any (IP VPN) network, a point-to-point Ethernet network, or a virtual cross-connection through a connectivity provider at a co-location facility. ExpressRoute connections do not go over the public Internet. This allows ExpressRoute connections to offer more reliability, faster speeds, lower latencies, and higher security than typical connections over the Internet.
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-forced-tunneling-rm
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction

NEW QUESTION: 62
You have an Azure subscription that contains an Azure App Service app named App1 in a Standard App Service plan. App1 is accessed directly from the internet by using the following URL:
https://app1.contoso.
com. The Azure region that hosts App1 supports availability zones for App Service apps.
You need to recommend a redundancy solution for App1. The solution must meet the following requirements:
* Ensure that App1 is available if two availability zones fail.
* Minimize administrative effort.
* Minimize costs.

What should you recommend?

A. Scale out the existing App1 App Service instance to three instances.

B. Create an App Service Environment v3. Redeploy App1.

C. Scale up the existing App Service plan for App1 to the Premium v3 tier.

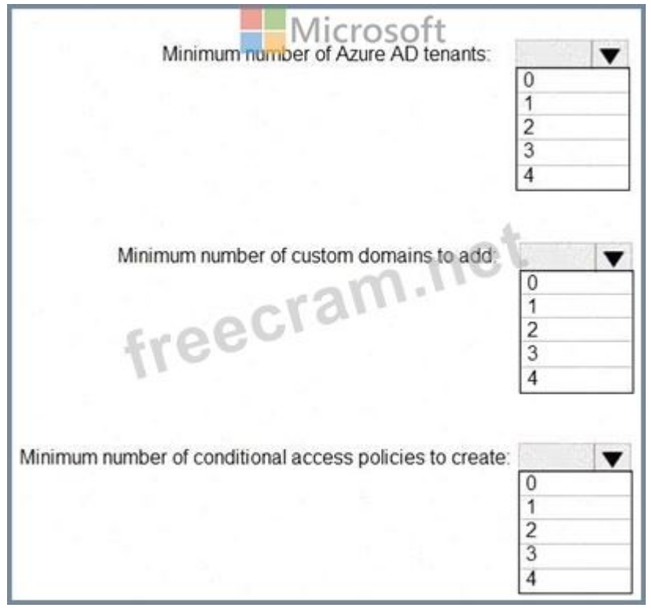
D. Create a new Premium v3 App Service plan. Redeploy App1.

Answer: (SHOW ANSWER)

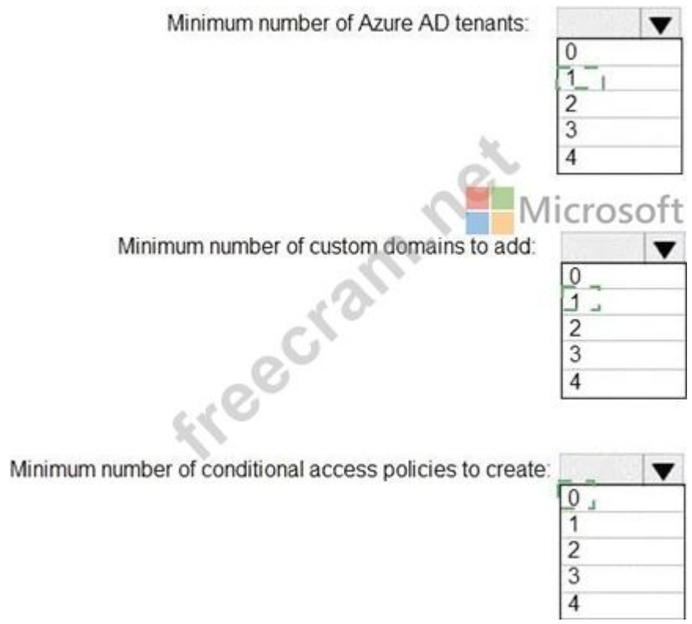
NEW QUESTION: 63

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

1

1

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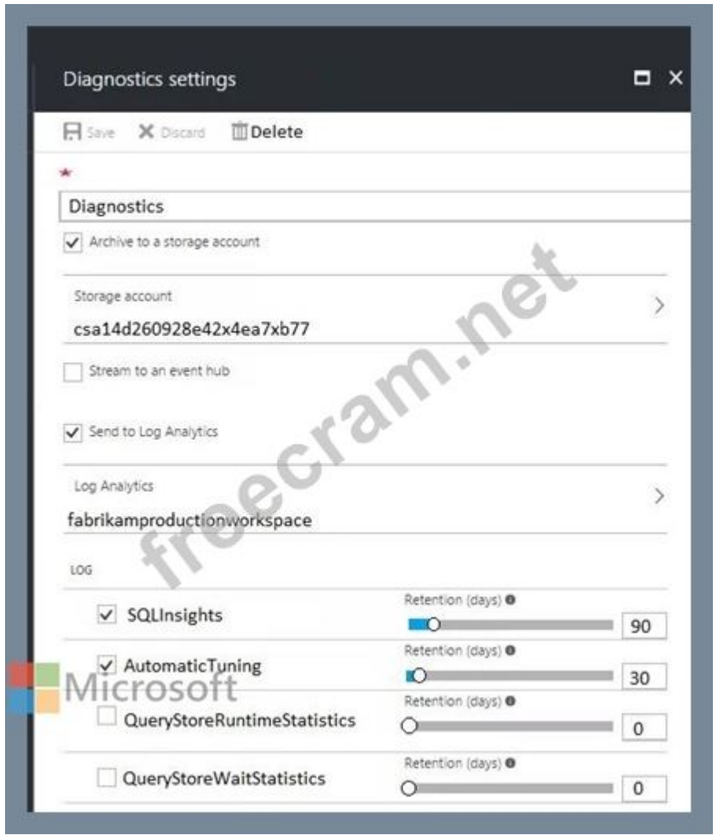
NEW QUESTION: 64

You deploy several Azure SQL Database instances.

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



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

NOTE: Each correct selection is worth one point.

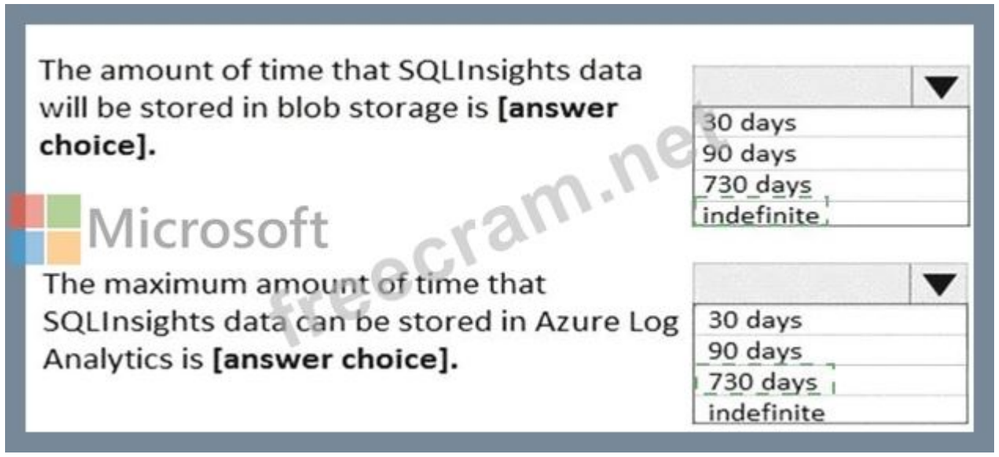
The amount of time that SQLInsights data will be stored in blob storage is **[answer choice].**

- 30 days
- 90 days
- 730 days
- indefinite

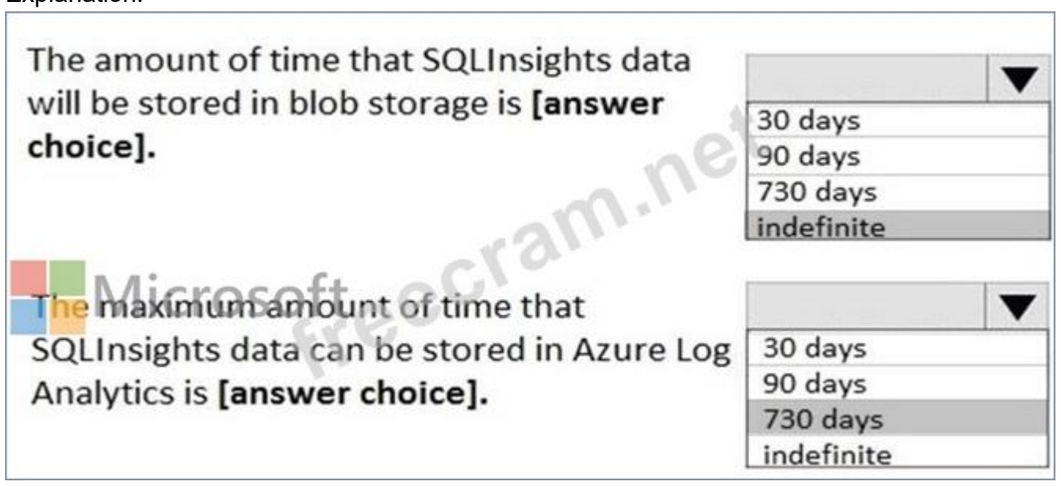
The maximum amount of time that SQLInsights data can be stored in Azure Log Analytics is **[answer choice].**

- 30 days
- 90 days
- 730 days
- indefinite

Answer:



Explanation:



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: 65

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

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

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

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

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

NOTE: Each correct selection is worth one point.

A. Azure AD Application Proxy

B. Azure AD Privileged Identity Management (PIM)

C. Conditional Access policies

D. Azure Arc

E. Azure AD enterprise applications

F. Azure Application Gateway

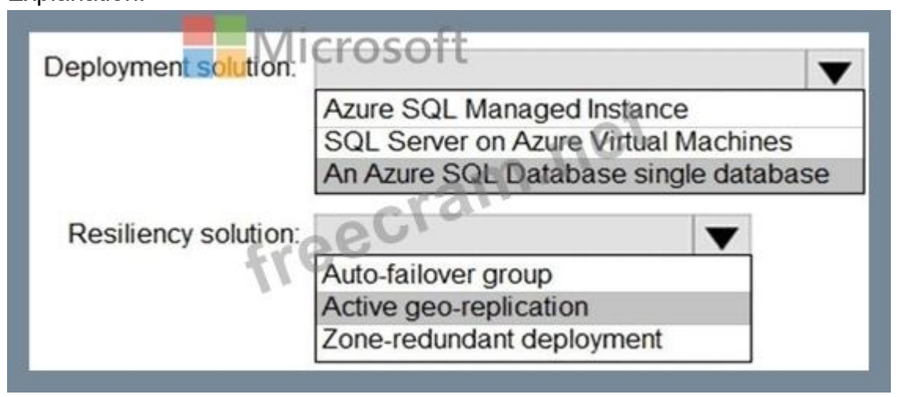
Answer: (SHOW ANSWER)
A: Application Proxy is a feature of Azure AD that enables users to access on-premises web applications from a remote client. Application Proxy includes both the Application Proxy service which runs in the cloud, and the Application Proxy connector which runs on an on-premises server.
You can configure single sign-on to an Application Proxy application.
C: Microsoft recommends using Application Proxy with pre-authentication and Conditional Access policies for remote access from the internet. An approach to provide Conditional Access for intranet use is to modernize applications so they can directly authenticate with AAD.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-config-sso-how-to
https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-deployment-plan

NEW QUESTION: 66
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)
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: 67
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 recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer:

Explanation:



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: 68

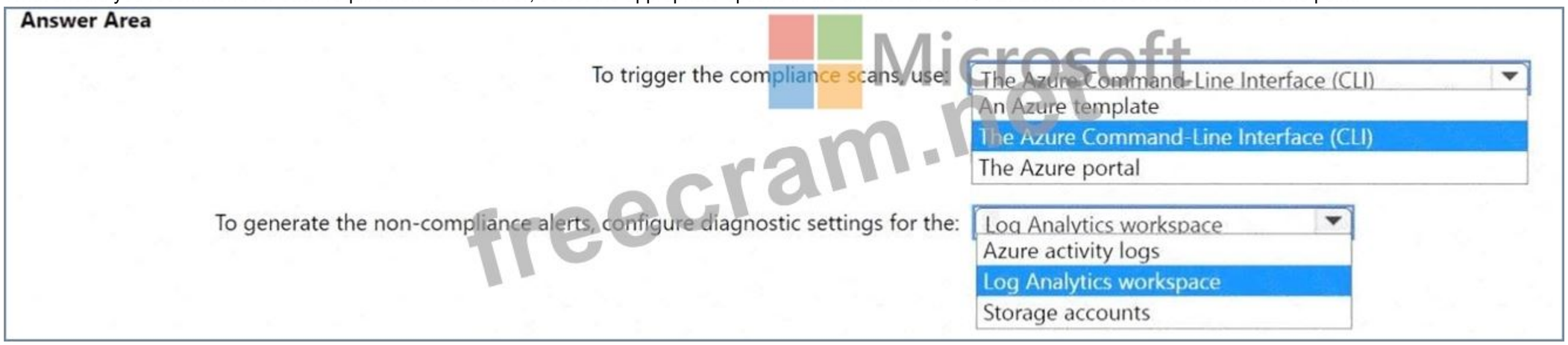
Note: This section contains one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem. You must determine whether the solution meets the stated goals.

More than one solution in the set might solve the problem. It is also possible that none of the solutions in the set solve the problem.

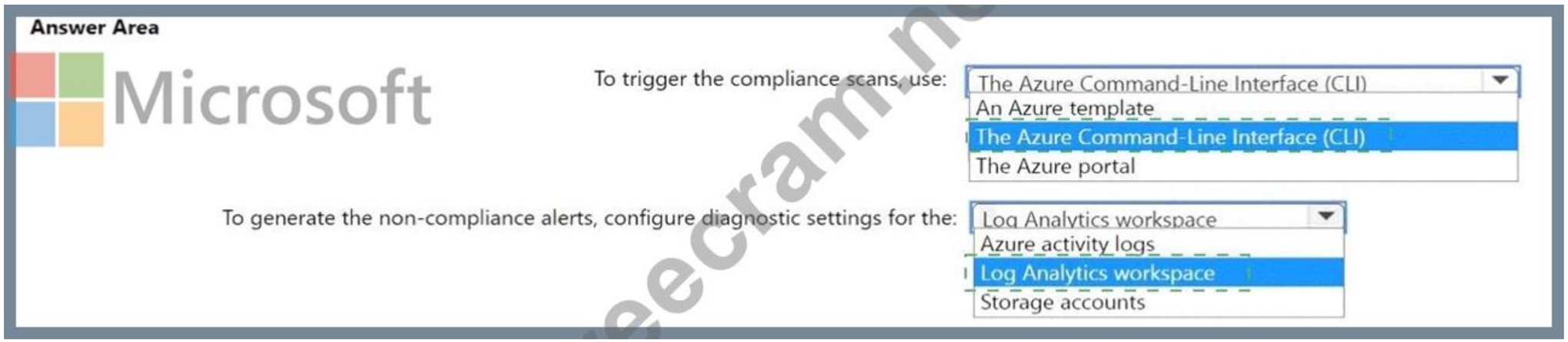
After you answer a question in this section, you will NOT be able to return. As a result, these questions do not appear on the Review Screen.

Your company, named Contoso, Ltd., has a Microsoft Entra tenant named contoso.com that uses Privileged Identity Management (PIM) and is linked to an Azure subscription named Sub1.
You use Azure Backup to back up all the resources in Sub! to a Recovery Services vault named Vault1.
An external company named Fabrikam, Inc. provides security management services to Contoso. Fabrikam has a Microsoft Entra tenant named fabrikam.com and an Azure subscription.
You need to prevent a compromised administiator account in contoso.com from modifying backup policies in and deleting backups from Sub1.
Solution: You configure Multi-user authorization (MUA) in Sub1 by using a Resource Guard from fabiikam.
com. Does this meet the goal?
A. No
B. Yes
Answer: (SHOW ANSWER)

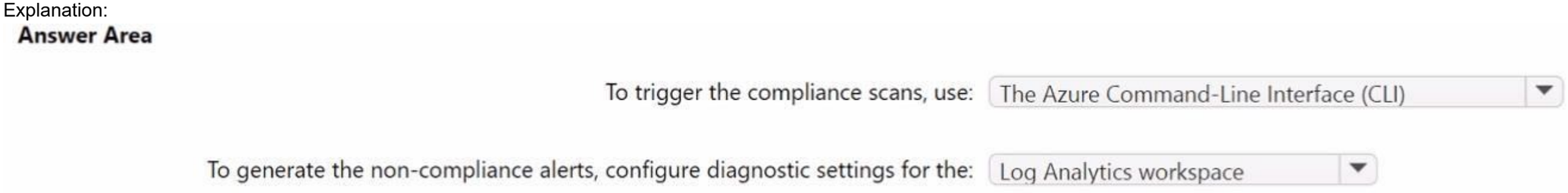
NEW QUESTION: 69
You have an Azure subscription that contains multiple storage accounts.
You assign Azure Policy definitions to the storage accounts.
You need to recommend a solution to meet the following requirements:
* Trigger on-demand Azure Policy compliance scans.
* Raise Azure Monitor non-compliance alerts by querying logs collected by Log Analytics.
What should you recommend for each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:



Explanation:



NEW QUESTION: 70

Note: This section contains one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem. You must determine whether the solution meets the stated goals.

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You use Azure Backup to back up all the resources in Sub1 to a Recovery Services vault named Vault!

An external company named Fabrikam, Inc. provides security management services to Contoso.

Fabrikam has a Microsoft Entra tenant named fabrikam.com and an Azure subscription.

You need to prevent a compromised administrator account in contoso.com from modifying backup policies in and deleting backups from Sub1.

Solution: You configure a PIM role assignment that requires approval for activation by an administrator in contoso.com.

Does this meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

NEW QUESTION: 71

You have an Azure subscription. The subscription contains an app that is hosted in the East US, Central Europe, and East Asia regions.

You need to recommend a data-tier solution for the app. The solution must meet the following requirements:
Support multiple consistency levels.
Be able to store at least 1 TB of data.
Be able to perform read and write operations in the Azure region that is local to the app instance.
What should you include in the recommendation?
A. an Azure Cosmos DB database
B. a Microsoft SQL Server Always On availability group on Azure virtual machines
C. an Azure SQL database in an elastic pool
D. Azure Table storage that uses geo-redundant storage (GRS) replication
Answer: (SHOW ANSWER)
Azure Cosmos DB approaches data consistency as a spectrum of choices. This approach includes more options than the two extremes of strong and eventual consistency. You can choose from five well-defined levels on the consistency spectrum.
With Cosmos DB any write into any region must be replicated and committed to all configured regions within the account.
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/consistency-levels-tradeoffs

NEW QUESTION: 72
Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company ' s on-premises data center.
*The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,
* The reporting application must be able to recover point in-time data al a daily granularity. The RTO is eight hours.
*The sales application must be able to fail over to second on-premises data center.
You need to recommend which Azure services meet the business community and disaster recovery objectives.
The solution must minimize costs.
What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used owe. More than once not at an You may need to drag the spin bar between panes or scroll 10 view content.

Answer:

Explanation:
1) Sales: Azure Site Recovery only
2) Finance: Azure Site Recovery and Azure Backup
3) Reporting: Azure Backup only

NEW QUESTION: 73
You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.
Which storage solution should you recommend for archiving?
A. Ingest the log files into an Azure Log Analytics workspace
B. Use an Azure Blob storage account and a time-based retention policy
C. Use an Azure Blob storage account configured to use the Archive access tier
D. Use an Azure file share that has access control enabled
Answer: (SHOW ANSWER)
Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.
Immutable storage supports:
Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

NEW QUESTION: 74
You ate 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 10 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)
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: 75

You plan to use Azure Storage to store data assets.

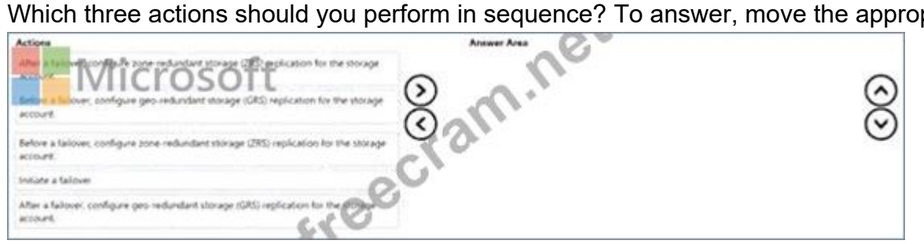
You need to identify the procedure to fail over a general-put pose v2 account as part of a disaster recovery plan. The solution must meet the following requirements:

* Apps must be able to access the storage account after a failover.

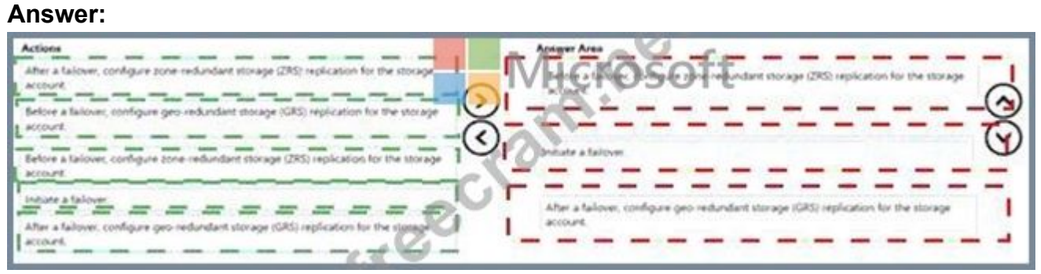
* You must be able to fail back the storage account to the original location.

* Downtime must be minimized.

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



Answer:



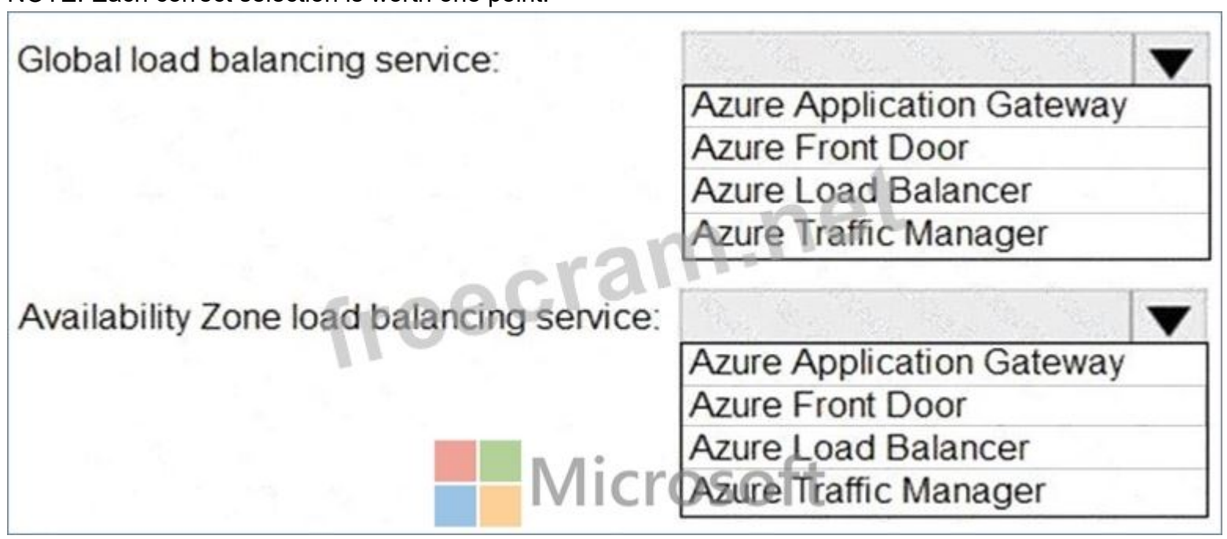
Explanation:

NEW QUESTION: 76

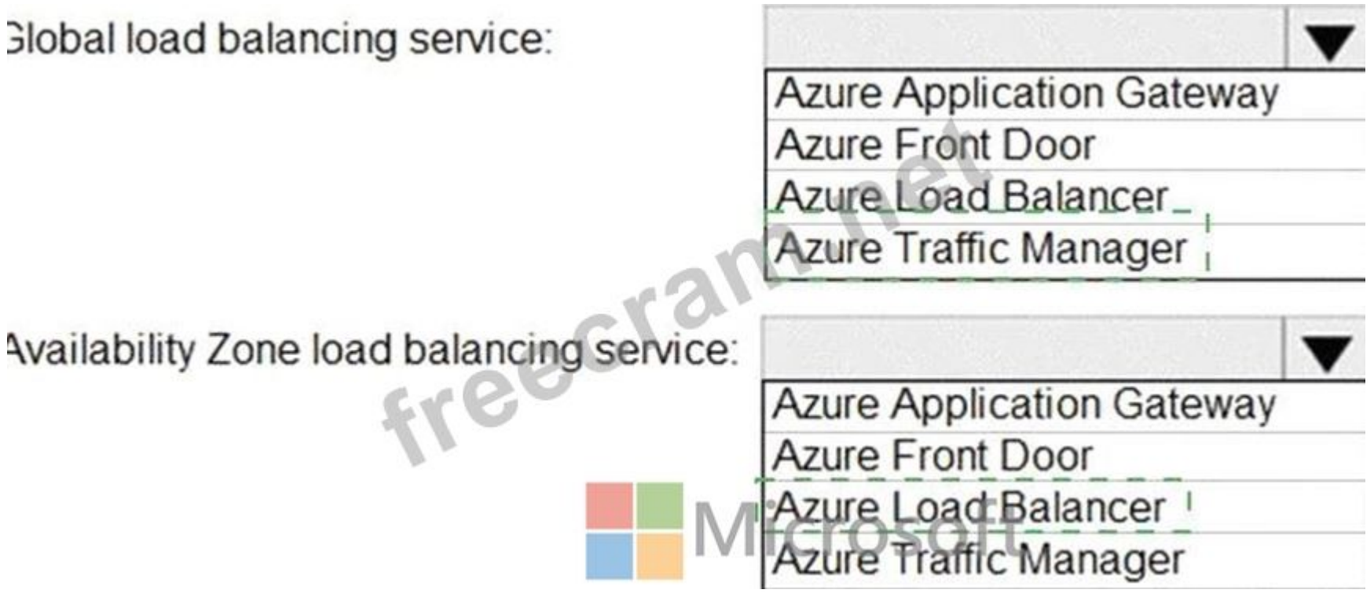
You plan to deploy a custom database solution that will have multiple instances as shown in the following table.

Host virtual machine	Azure Availability Zone	Azure region
USDB1	1	US East
USDB2	2	US East
USDB3	3	US East
EUDB1	1	West Europe
EUDB2	2	West Europe
EUDB3	3	West Europe

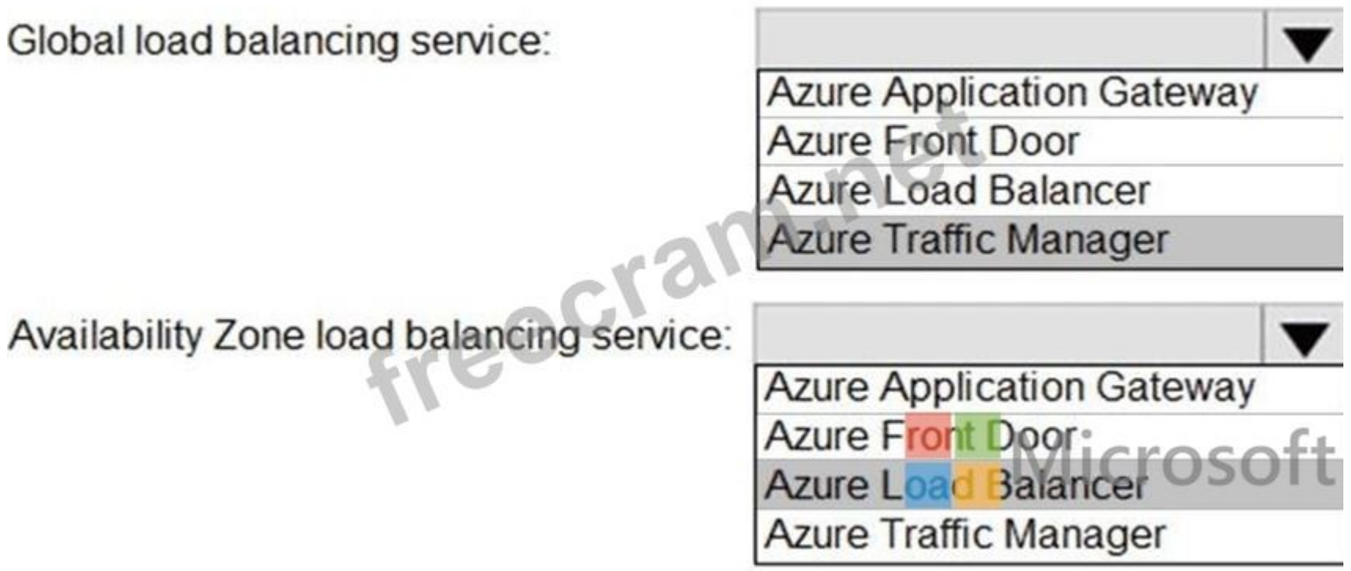
Client applications will access database servers by using db.contoso.com.
You need to recommend load balancing services for the planned deployment. The solution must meet the following requirements:
Access to at least one database server must be maintained in the event of a regional outage.
The virtual machines must not connect to the internet directly.
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: Azure Traffic Manager

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. Because Traffic Manager is a DNS-based load-balancing service, it load balances only at the domain level. For that reason, it can ' t fail over as quickly as Front Door, because of common challenges around DNS caching and systems not honoring DNS TTLs.

Service	Global/regional	Recommended traffic
Azure Front Door	Global	HTTP(S)
Traffic Manager	Global	non-HTTP(S)
Application Gateway	Regional	HTTP(S)
Azure Load Balancer	Regional	non-HTTP(S)

Reference:
https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/load-balancing-overview

NEW QUESTION: 77
Your company has 50 business units across the globe. The business units operate from 08:00 AM to 06:00 PM from Monday to Friday in their local time zone. Transactions are only processed during business hours.
You have an Azure subscription.
You plan to deploy an app named App1 that will manage the transactions for the business units. App1 will use a separate Azure SQL database for each business unit.
You need to recommend an Azure SQL Database configuration for App1. The solution must meet the following requirements:
* Support Azure Hybrid Benefit licensing.
* Minimize costs.
What should you recommend?
A. a DTU purchasing model and multiple database instances in an elastic pool
B. a vCore purchasing model and multiple single database instances
C. a DTU purchasing model and multiple single database instances
D. a vCore purchasing model and multiple database instances in an elastic pool
Answer: (SHOW ANSWER)

NEW QUESTION: 78
You migrate App1 to Azure. You need to ensure that the data storage for App1 meets the security and compliance requirement What should you do?
A. Create an access policy for the blob
B. Modify the access level of the blob service.
C. Implement Azure resource locks.
D. Create Azure RBAC assignments.
Answer: (SHOW ANSWER)
Scenario: 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.
As an administrator, you can lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. The lock overrides any permissions the user might have.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

NEW QUESTION: 79
You have an Azure subscription that is linked to an Azure Active Directory Premium Plan 2 tenant The tenant has multi-factor authentication (MFA) enabled for all users.
You have the named locations shown in the following table.

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

You have the users shown in the following table.

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

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

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

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	○	○
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	○	○
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	○	○

Answer:

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	○	○
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	○	○
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	○	○

Explanation:

Statements	Yes	No
To ensure that the conditions in CA1 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection user risk policy .	○	○
To ensure that the conditions in CA2 can be evaluated, you must enforce an Azure Active Directory (Azure AD) Identity Protection sign-in risk policy.	○	○
To ensure that the conditions in CA3 can be evaluated, you must deploy Microsoft Endpoint Manager.	○	○

NEW QUESTION: 80

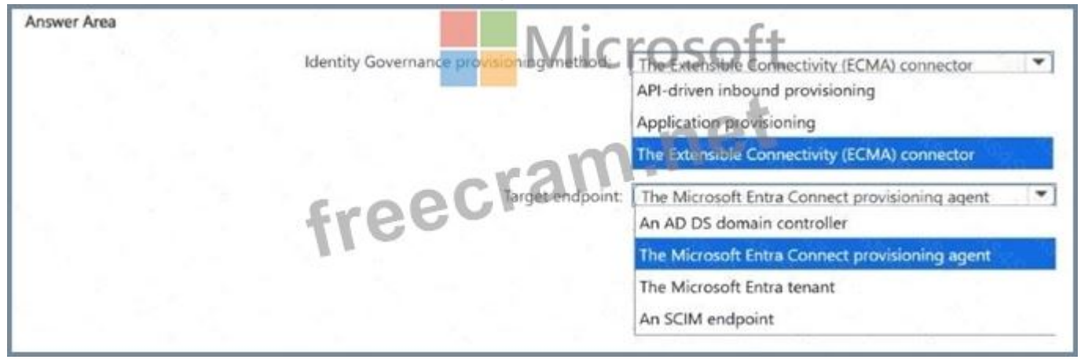
You have a Microsoft Entra tenant that uses Microsoft Entra Connect Sync to sync with an on-premises Active Directory Domain Services {AD DS) domain. The domain contains several member servers.

You have a custom human resources (HR) application named App1 that stores employee records.

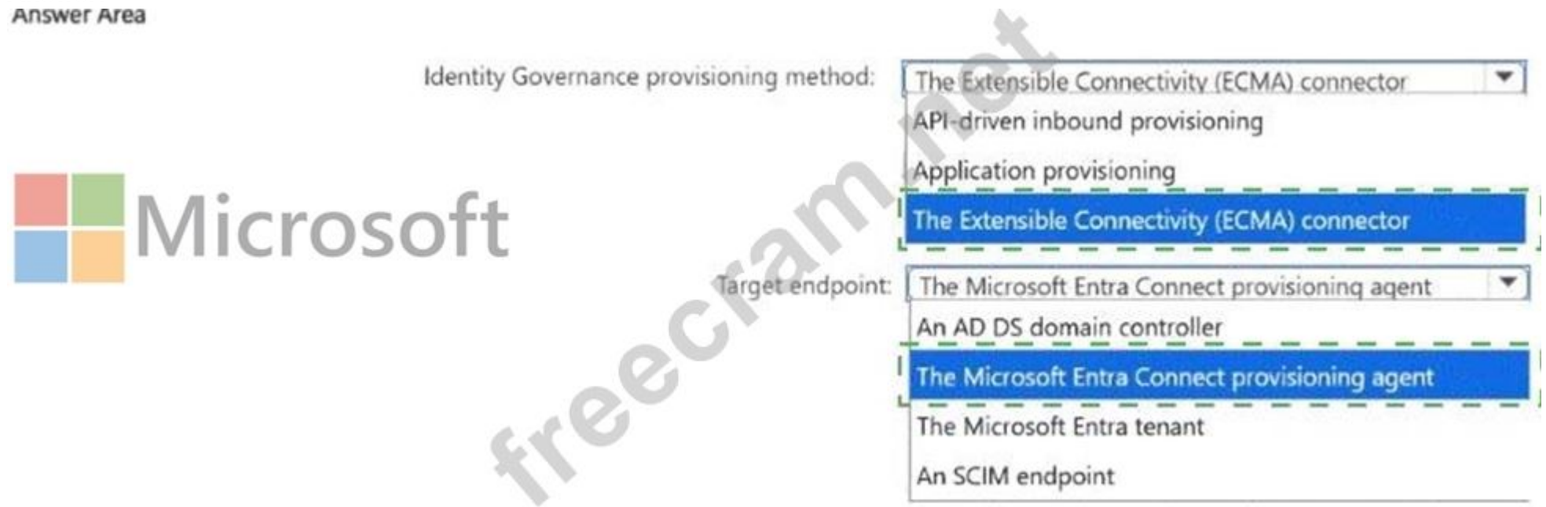
You are designing a solution to automate the management of user accounts. The solution must meet the following requirements:

* When employees are added to App1, the user accounts of the employees must be provisioned to the AD DS domain and the Microsoft Entra tenant automatically.
* New employee records must be read from a CSV file that is exported from App1 daily.

You need to recommend a Microsoft Entra Identity Governance provisioning method and a target endpoint for creating new user accounts.
What should you recommend? To answer, select the appropriate options in the answer area.
NOTE: Each connect selection is worth one point.



Answer:



Explanation:

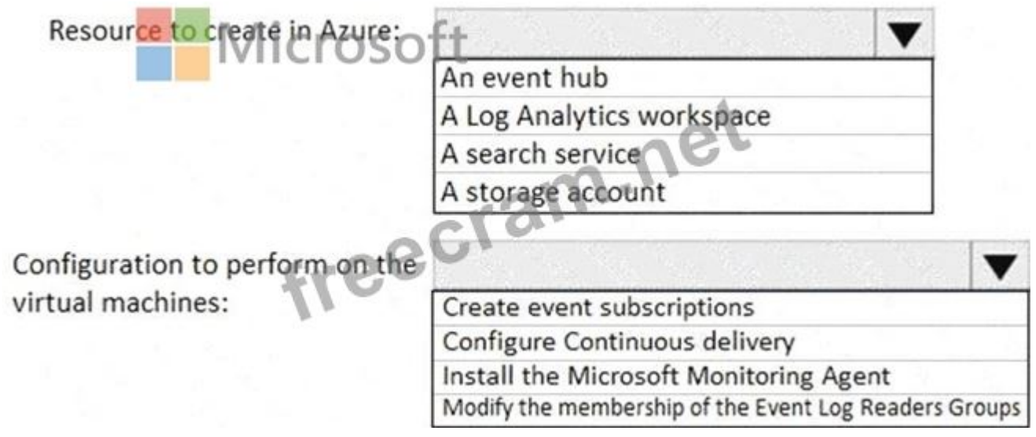
NEW QUESTION: 81
You plan to deploy an Azure Databricks Data Science & Engineering workspace and ingest data into the workspace.
Where should you persist the ingested data?
A. Azure Files
B. Azure Data Lake
C. Azure SQL Database

D. Azure Cosmos DB
Answer: (SHOW ANSWER)
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

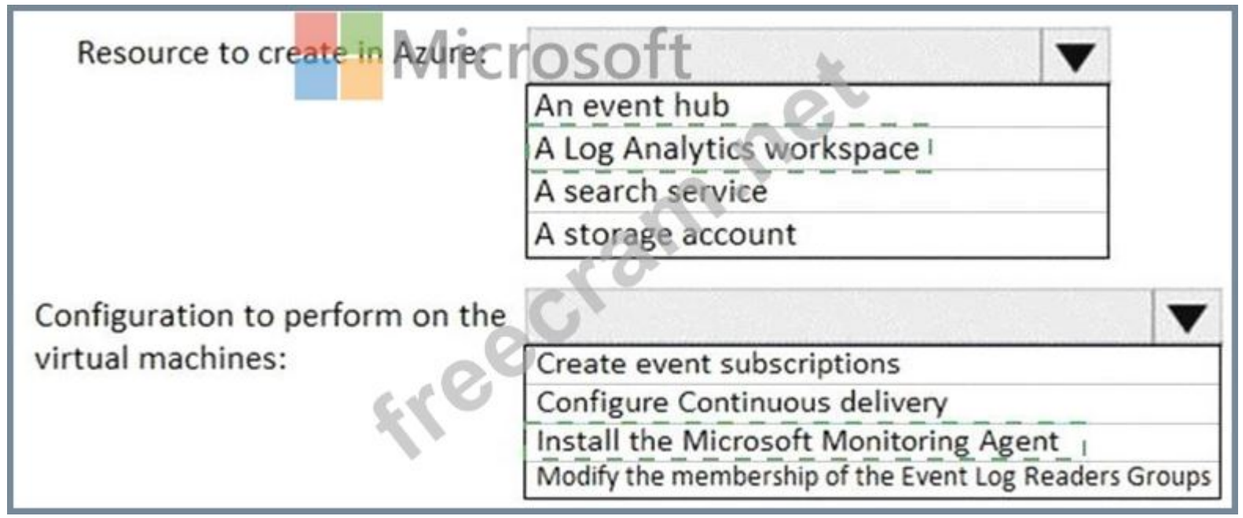
NEW QUESTION: 82
What should you recommend to meet the monitoring requirements for App2?
A. Azure Application Insights
B. Microsoft Sentinel
C. Container insights
D. VM insights
Answer: (SHOW ANSWER)

NEW QUESTION: 83
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. No
B. Yes
Answer: (SHOW ANSWER)

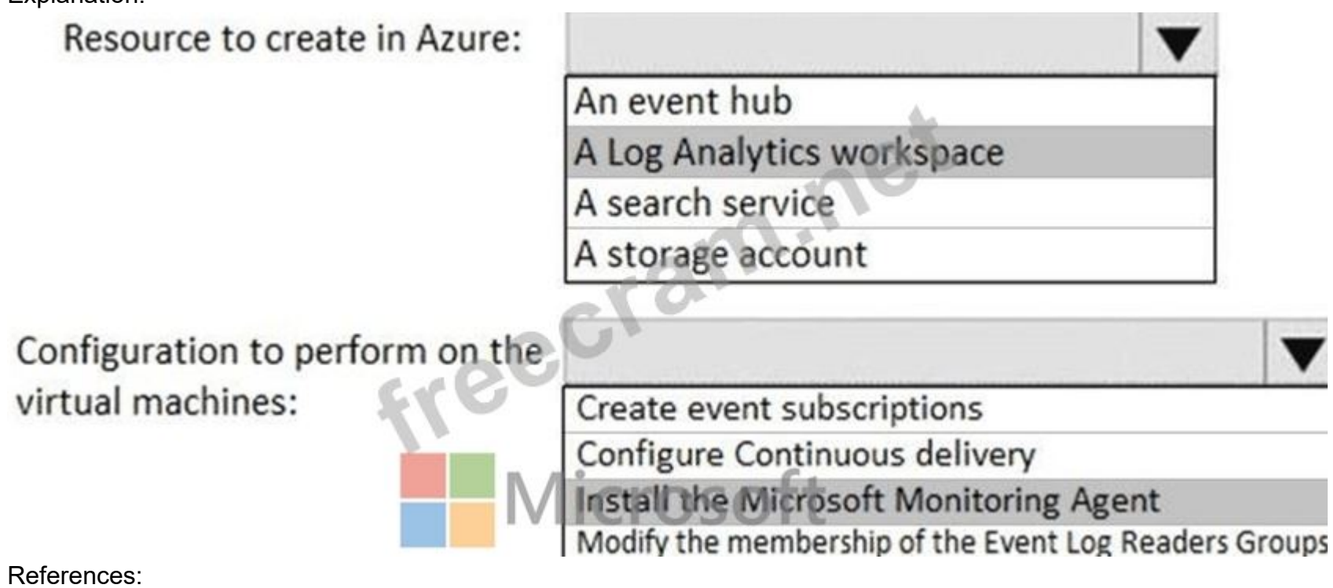
NEW QUESTION: 84
You have an Azure subscription that contains 300 Azure virtual machines that run Windows Server 2016.
You need to centrally monitor all warning events in the System logs of the virtual machines.
What should you include in the solutions? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:

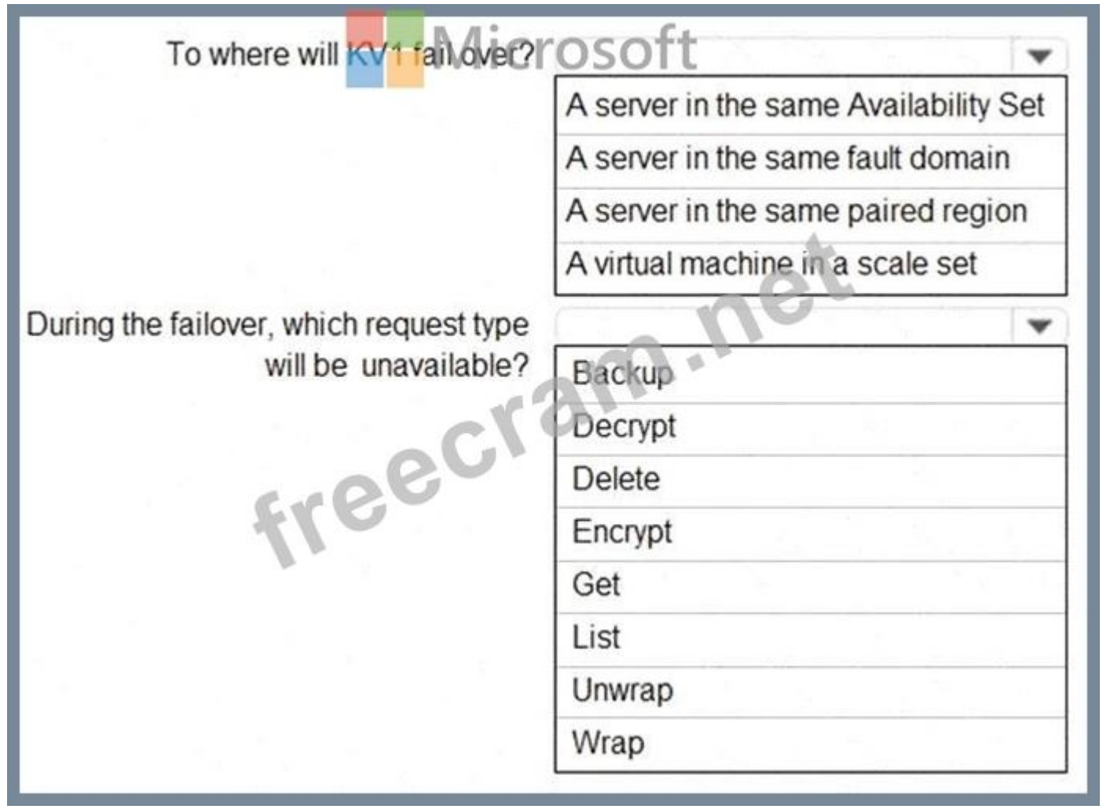


References:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agent-windows

NEW QUESTION: 85
You plan to deploy multiple instances of an Azure web app across several Azure regions.
You need to design an access solution for the app. The solution must meet the following replication requirements:
* Support rate limiting.
* Balance requests between all instances.
* Ensure that users can access the app in the event of a regional outage.
Solution: You use Azure Front Door to provide access to the app.

Does this meet the goal?
A. No
B. Yes
Answer: (SHOW ANSWER)

NEW QUESTION: 86
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.



Answer:

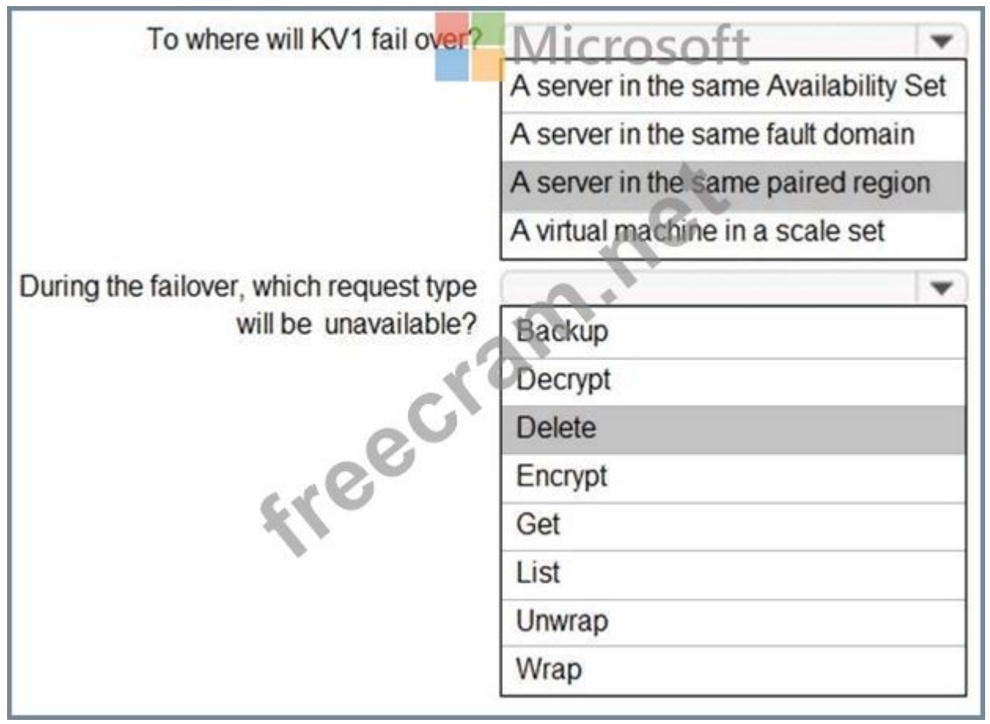
To where will KV1 fail over?

- 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:



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

ence:

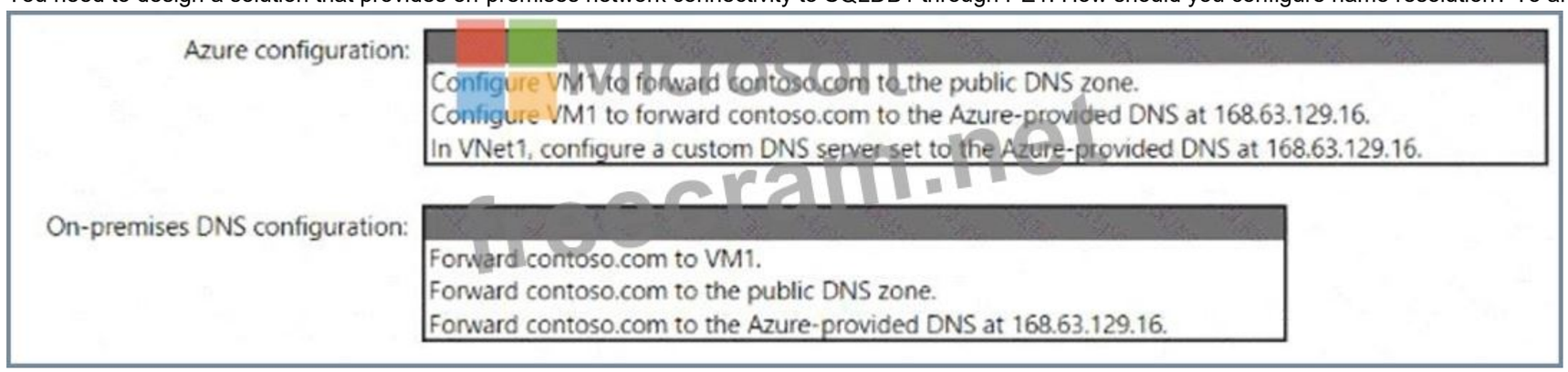
https://docs.microsoft.com/en-us/azure/key-vault/general/disaster-recovery-guidance

NEW QUESTION: 87

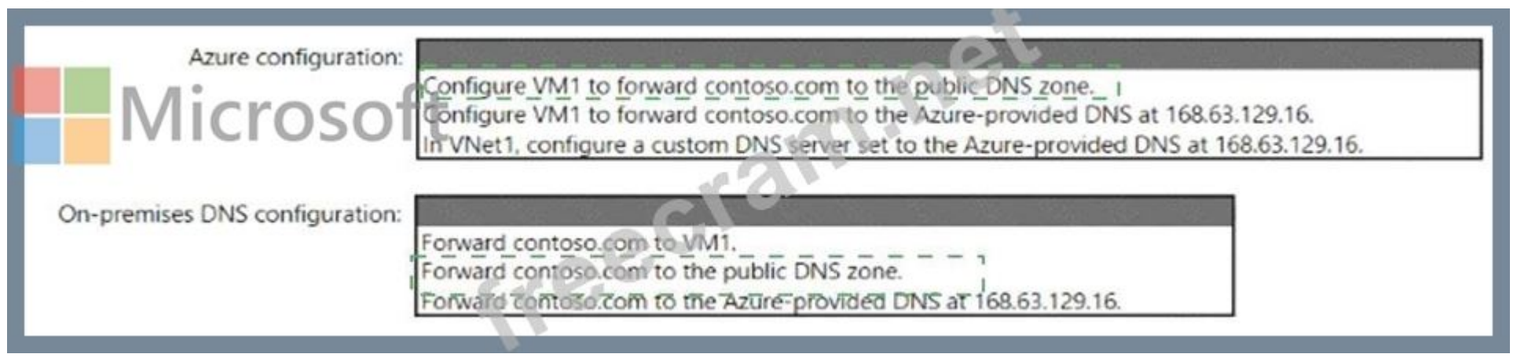
You have the Azure resources shown in the following table.

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

You need to design a solution that provides on-premises network connectivity to SQLDB1 through PE1. How should you configure name resolution? To answer, select the appropriate options in the answer area.



Answer:



NEW QUESTION: 88

You are designing a data storage solution to support reporting.

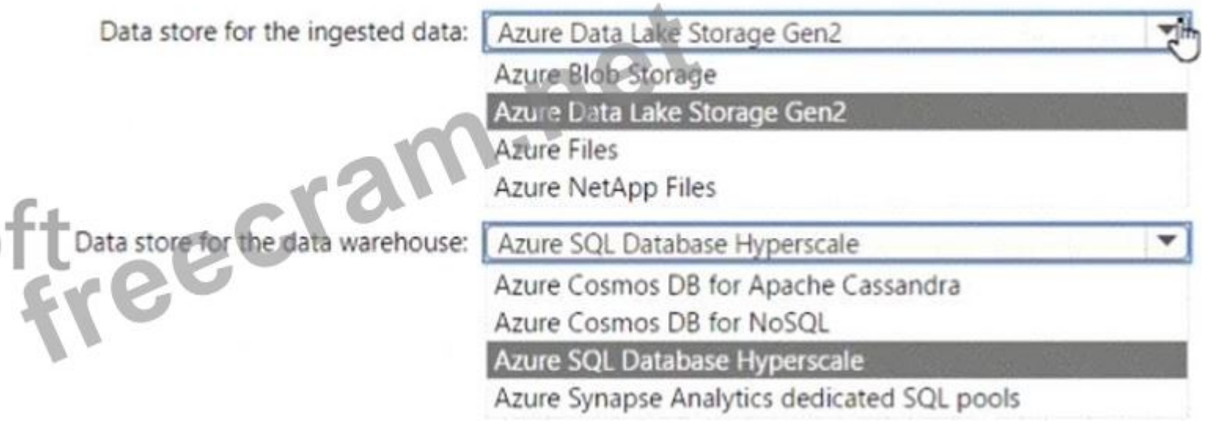
The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

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

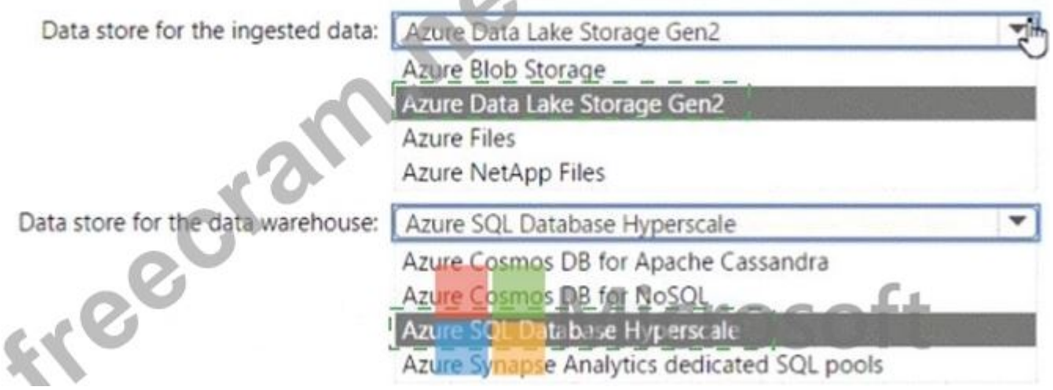
Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

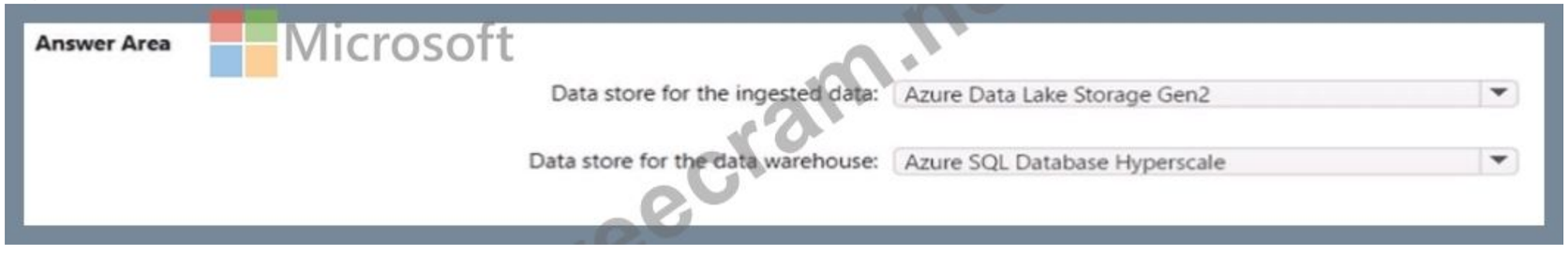
Answer Area



Answer:
Answer Area



Explanation:



NEW QUESTION: 89
You have an Azure subscription that contains an Azure Cosmos DB for NoSQL account named account1 and an Azure Synapse Analytics workspace named Workspace1. The account1 account contains a container named Container1 that has the analytical store enabled.
You need to recommend a solution that will process the data stored in Container1 in near-real-time (NRT) and output the results to a data warehouse in Workspace1 by using a runtime engine in the workspace. The solution must minimize data movement.
Which pool in Workspace! should you use?
A. Apache Spark

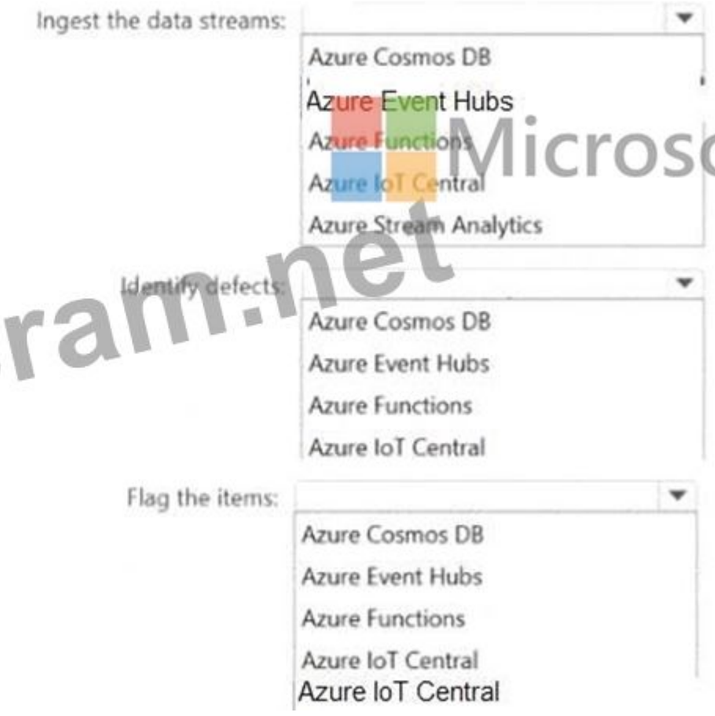
B. serverless SQL
C. Data Explorer
D. dedicated SQL
Answer: (SHOW ANSWER)

NEW QUESTION: 90
A company has an on-premises file server cbflserver that runs Windows Server 2019. Windows Admin Center manages this server. The company owns an Azure subscription. You need to provide an Azure solution to prevent data loss if the file server fails.
Solution: You decide to create an Azure Recovery Services vault. You then decide to install the Azure Backup agent and then schedule the backup. Would this meet the requirement?

A. Yes
B. No
Answer: (SHOW ANSWER)

NEW QUESTION: 91
You have a production line that is monitored by using IoT devices.
You are building a project that will process data streams from the IoT devices.
You need to recommend a pipeline solution that will perform the following activities:
* Ingest the data streams from the IoT devices.
* Analyze the data and identify manufacturing defects among items on the production line.
* When a manufacturing defect is identified, flag the item for removal from the production line.
What should you include in the recommendation for each activity? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area



Answer:

Answer Area

Explanation:

NEW QUESTION: 92
You have multiple on-premises networks
You have multiple Azure subscriptions. Each subscription contains a virtual network that is assigned an IP address space of 172.16.0.0/16. Each virtual network is connected to the on premises networks by using ExpressRoute.
You plan to deploy a container orchestration solution that will use multiple Azure Kubernetes Service (AKS) clusters. The clusters will be deployed to the existing virtual networks.
You need to recommend a network configuration for the AKS dusters. The solution must meet the following requirements:
* Minimize the number of IP addresses required on each virtual network.
* Support outbound connectivity to on-premises datacenters.
* Support Windows node pools
Which AKS network model should you recommend?
A. Azure CNI Powered by Cilium
B. Azure CNI Overlay
C. Azure CNI
D. kubenet
Answer: (SHOW ANSWER)

NEW QUESTION: 93
You have an Azure subscription that contains the resources shown in the following table.

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

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

What should you include in the recommendation?

A. Azure Front Door

B. Gateway Load Balancer

C. Azure Traffic Manager

D. Azure Application Gateway

Answer: (SHOW ANSWER)

NEW QUESTION: 94

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

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

Costs must be minimized.

What should you include in the solution?

A. Azure Logic Apps in the integrated service environment

B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan

C. Azure Logic Apps in the Consumption plan

D. Azure Functions in the Consumption plan

Answer: (SHOW ANSWER)

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

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

Connect to private endpoints with Azure Functions

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

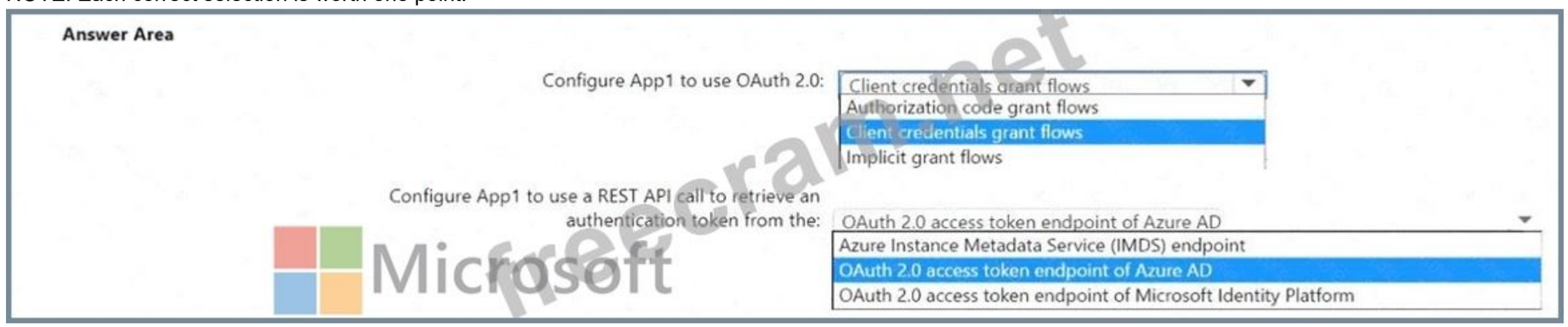
Reference:

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

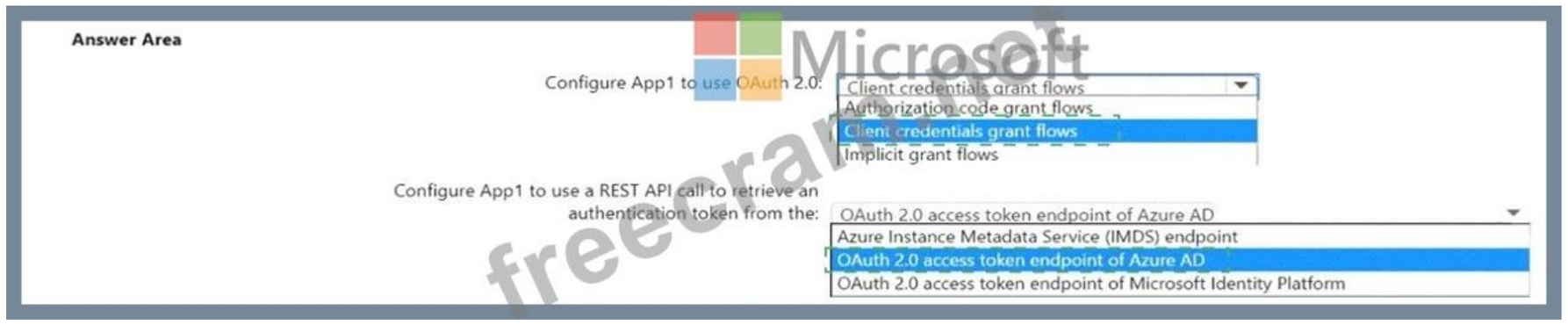
https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions

/ba-p/1426615

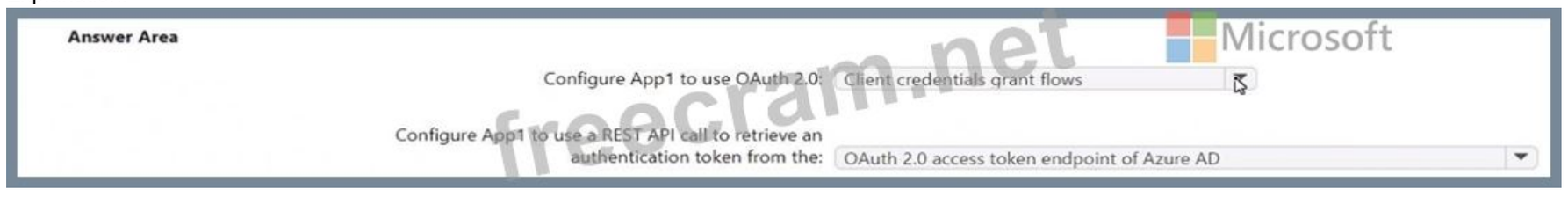
NEW QUESTION: 95
You have an Azure subscription that contains an Azure key vault named KV1 and a virtual machine named VM1. VM1 runs Windows Server 2022: Azure Edition.
You plan to deploy an ASP.NET Core-based application named App1 to VM1.
You need to configure App1 to use a system-assigned managed identity to retrieve secrets from KV1. The solution must minimize development effort.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



NEW QUESTION: 96
Note: This section contains one or more sets of questions with the same scenario and problem. Each question presents a unique solution to the problem. You must determine whether the solution meets the stated goals.
More than one solution in the set might solve the problem. It is also possible that none of the solutions in the set solve the problem.
After you answer a question in this section, you will NOT be able to return. As a result, these questions do not appear on the Review Screen.

Your company, named Contoso, Ltd., has a Microsoft Entra tenant named contoso.com that uses Privileged Identity Management (PIM) and is linked to an Azure subscription named Sub1.
You use Azure Backup to back up all the resources in Sub1 to a Recovery Services vault named Vault1.
An external company named Fabrikam, Inc. provides security management services to Contoso. Fabrikam has a Microsoft Entra tenant named fabrikam.com and an Azure subscription.
You need to prevent a compromised administrator account in contoso.com from modifying backup policies in and deleting backups from Sub1.
Solution: In Vault 1, you generate a security PIN for critical operations.
Does this meet the goal?
A. No
B. Yes
Answer: (SHOW ANSWER)

NEW QUESTION: 97
You have data files in Azure Blob Storage.
You plan to transform the files and move them to Azure Data Lake Storage.
You need to transform the data by using mapping data flow.
Which service should you use?
A. Azure Data Box Gateway
B. Azure Databricks
C. Azure Data Factory
D. Azure Storage Sync
Answer: (SHOW ANSWER)
You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.
Reference:
https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage

NEW QUESTION: 98
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: (SHOW ANSWER)
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: 99
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:

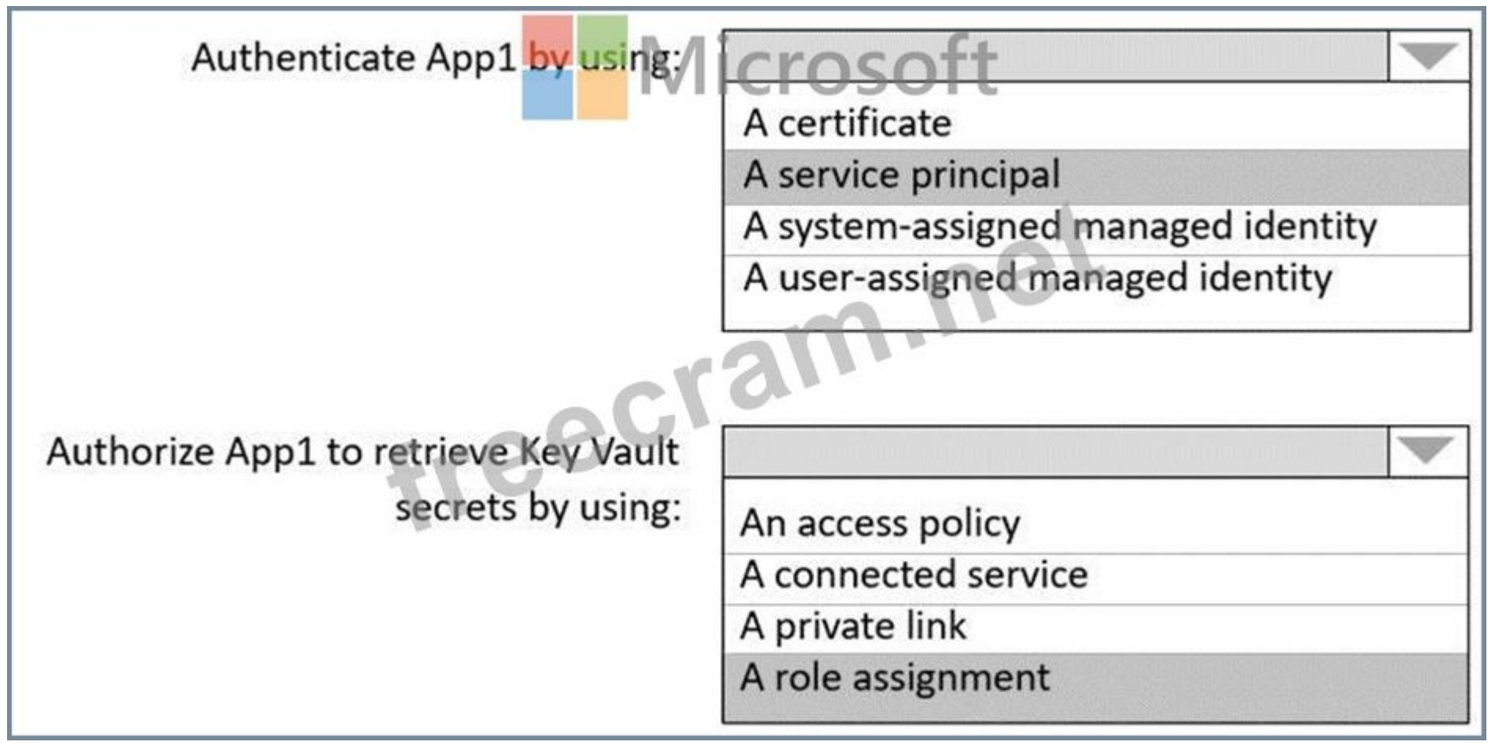
Authenticate App1 by using:

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

Authorize App1 to retrieve Key Vault secrets by using:

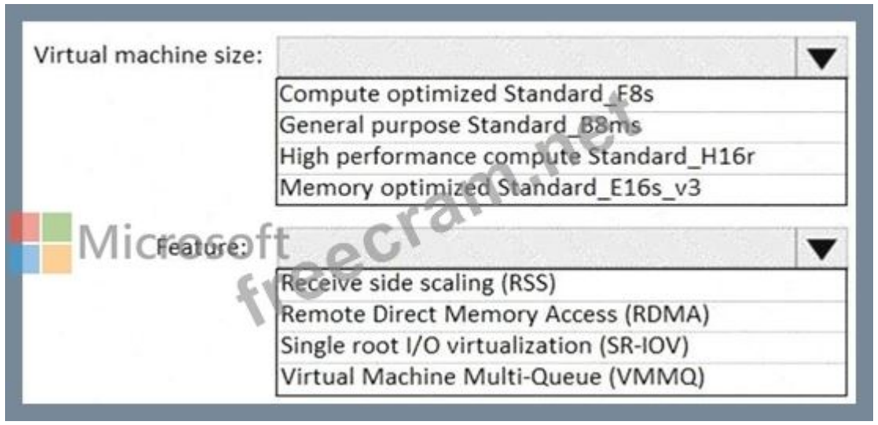
- An access policy
- A connected service
- A private link
- A role assignment

Explanation:

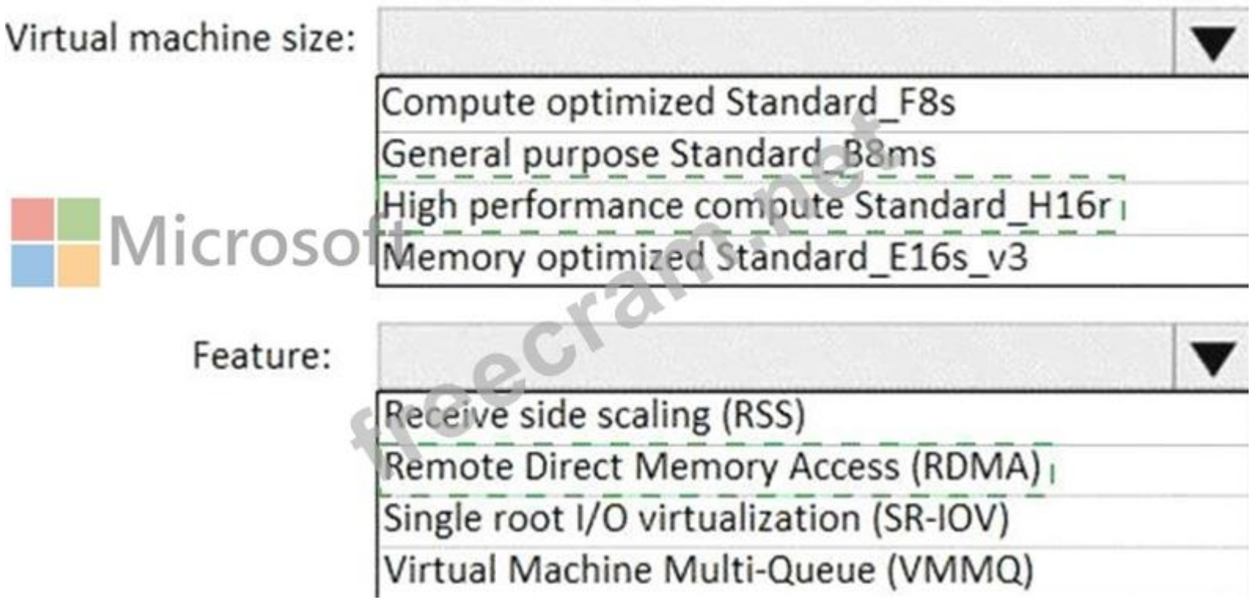


Scenario: Security Requirement
All secrets used by Azure services must be stored in Azure Key Vault.
Services that require credentials must have the credentials tied to the service instance. The credentials must NOT be shared between services.
Box 1: A service principal
A service principal is a type 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

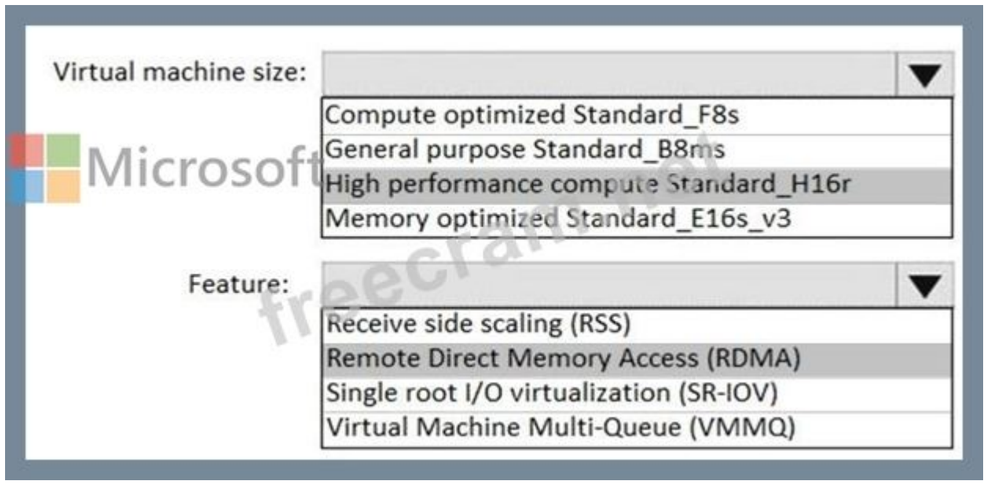
NEW QUESTION: 100
You plan to deploy a network-intensive application to several Azure virtual machines.
You need to recommend a solution that meets the following requirements:
Minimizes the use of the virtual machine processors to transfer data
Minimizes network latency
Which virtual machine size and feature should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



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

NEW QUESTION: 101
You have an Azure virtual machine named VM1 that runs Windows Server 2019 and contains 500 GB of data files.
You are designing a solution that will use Azure Data Factory to transform the data files, and then load the files to Azure Data Lake Storage What should you deploy on VM1 to support the design?
A. the Azure File Sync agent
B. the On-premises data gateway
C. the self-hosted integration runtime
D. the Azure Pipelines agent
Answer: (SHOW ANSWER)

NEW QUESTION: 102
You have an Azure AD tenant that contains a management group named MG1. You have the Azure subscriptions shown in the following table.

Name	Management group
Sub1	MG1
Sub2	MG1
Sub3	Tenant Root Group

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

Name	Subscription
RG1	Sub1
RG2	Sub2
RG3	Sub3

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

Name	Member of
Group1	Group3
Group2	Group3
Group3	*None*

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

Name	Member of
User1	Group1
User2	Group2
User3	Group1, Group2

You perform the following actions:

* Assign User3 the Contributor role for Sub1.
* Assign Group1 the Virtual Machine Contributor role for MG1.
* Assign Group3 the Contributor role for the Tenant Root Group.

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
User1 can create a new virtual machine in RG1.	○	○
User2 can grant permissions to Group2.	○	○
User3 can create a storage account in RG2.	○	○

Answer:

Answer Area

Statements	Yes	No
User1 can create a new virtual machine in RG1.	○	○
User2 can grant permissions to Group2.	○	○
User3 can create a storage account in RG2.	○	○

Explanation:

NEW QUESTION: 103

You have five Azure subscriptions as shown in the following table.

Name	Management group	Tag
Subscription1	Marketing	InternalCharge: True
Subscription2	IT	InternalCharge: False
Subscription3	Finance	InternalCharge: False
Subscription4	IT	InternalCharge: True
Subscription5	Marketing	InternalCharge: True

You have the resource groups shown in the following table.

Name	Subscription
RG1	Subscription2
RG2	Subscription1
RG3	Subscription4
RG4	Subscription3
RG5	Subscription1

You have the Azure resources shown in the following table.

Name	Type	Resource group
VM1	Virtual machine	RG1
Storage1	Storage account	RG2
VM2	Virtual machine	RG3
KV1	Azure Key Vault	RG4
SQL1	Azure SQL Database	RG5

You create the Azure Policy assignments shown in the following table.

Name	Scope
Resource tagging	Finance
Deny creating virtual machines	Marketing

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The resource tagging policy assignment will be applied to KV1.	○	○
Cost management data for the `InternalCharge = True` tag will include VM1.	○	○
Moving Subscription4 to the Marketing management group will cause VM2 to shut down.	○	○

Answer:

Answer Area

Statements	Yes	No
The resource tagging policy assignment will be applied to KV1.	○	○
Cost management data for the `InternalCharge = True` tag will include VM1.	○	○
Moving Subscription4 to the Marketing management group will cause VM2 to shut down.	○	○

Explanation:

Answer Area

Statements	Yes	No
The resource tagging policy assignment will be applied to KV1.	○	●
Cost management data for the `InternalCharge = True` tag will include VM1.	●	○
Moving Subscription4 to the Marketing management group will cause VM2 to shut down.	●	○

NEW QUESTION: 104

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

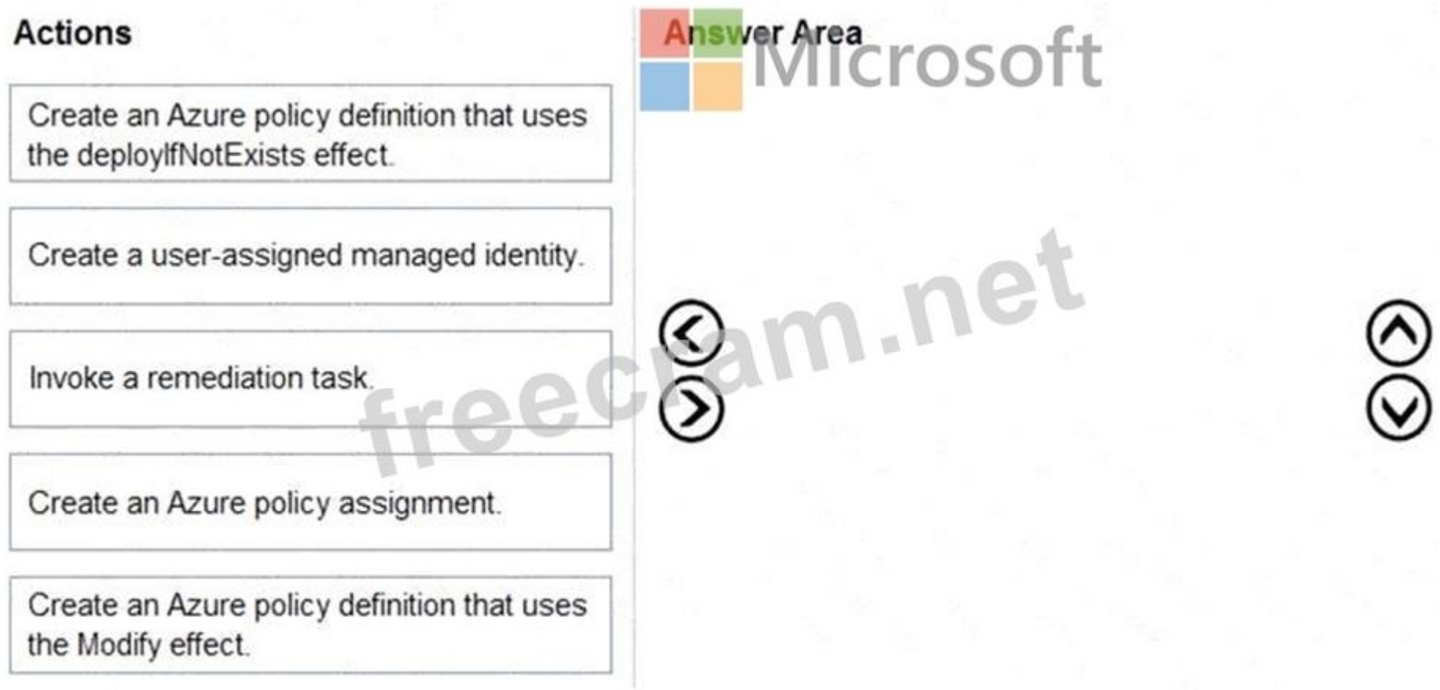
Name	Type	Purpose
App1	Web app	Processes customer orders
Function1	Function	Check product availability at vendor 1
Function2	Function	Check product availability at vendor 2
storage1	Storage account	Stores order processing logs

The order processing system will have the following transaction flow:

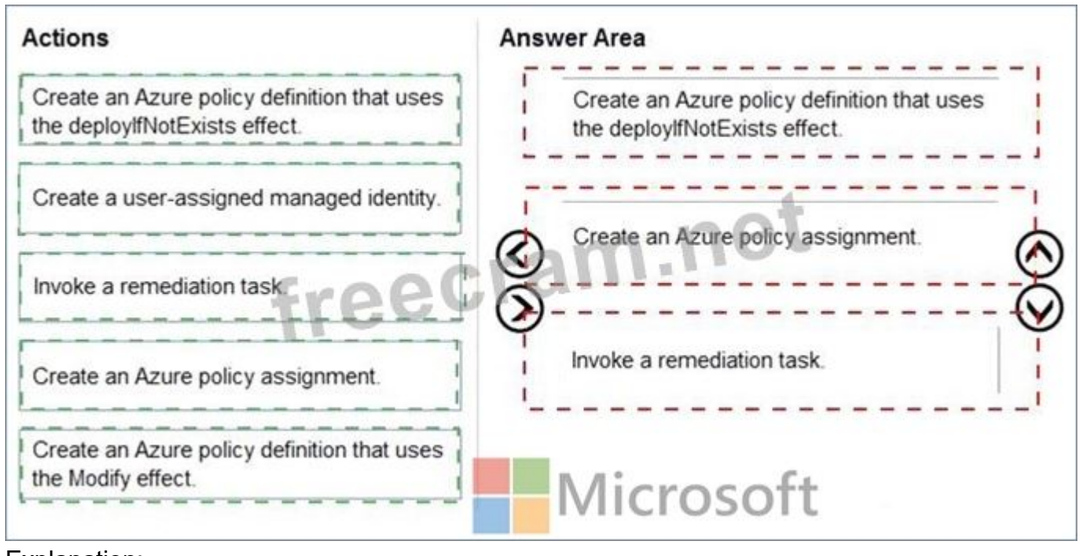
A customer will place an order by using App1.
When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.
An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.
Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.
All the steps of the transaction will be logged to storage1.
Which type of resource should you recommend for the integration component?
D18912E1457D5D1DDCBD40AB3BF70D5D
Which type of resource should you recommend for the integration component?
A. an Azure Data Factory pipeline
B. an Azure Service Bus queue
C. an Azure Event Grid domain
D. an Azure Event Hubs capture
Answer: (SHOW ANSWER)
A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.
The activities in a pipeline define actions to perform on your data.
Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.
Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.
Reference:
https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities

NEW QUESTION: 105
You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?
A. Configure the Scale Out settings for a web app.
B. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
C. Configure the Scale Up 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)

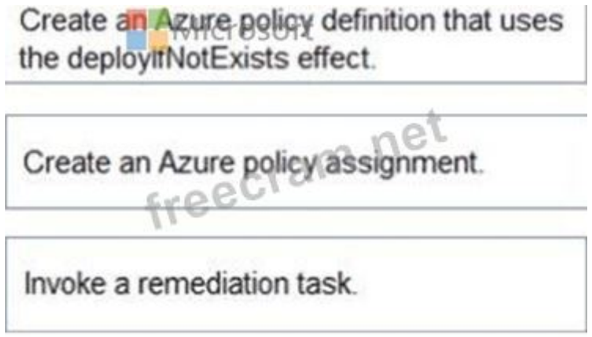
NEW QUESTION: 106
You need to configure an Azure policy to ensure that the Azure SQL databases have TDE enabled. The solution must meet the security and compliance requirements.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:

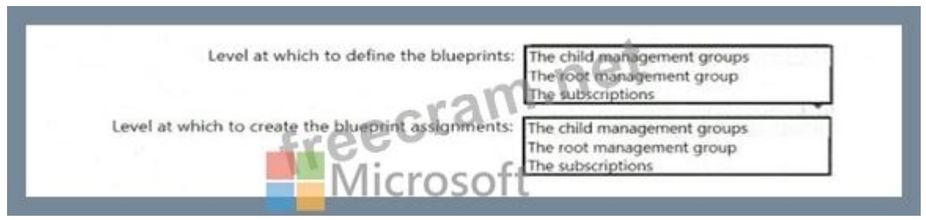


Explanation:

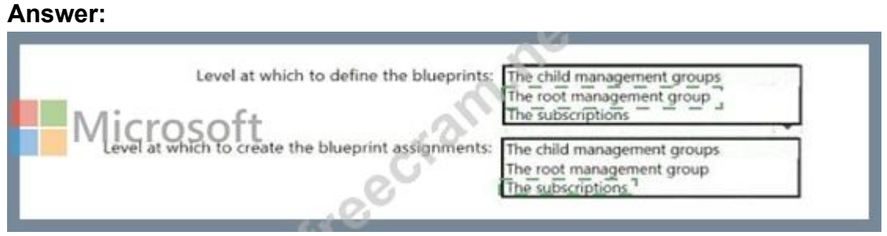


Scenario: All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.
Step 1: Create an Azure policy definition that uses the deployIfNotExists identity.
The first step is to define the roles that deployIfNotExists and modify needs in the policy definition 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: 107
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.



Answer:



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: 108

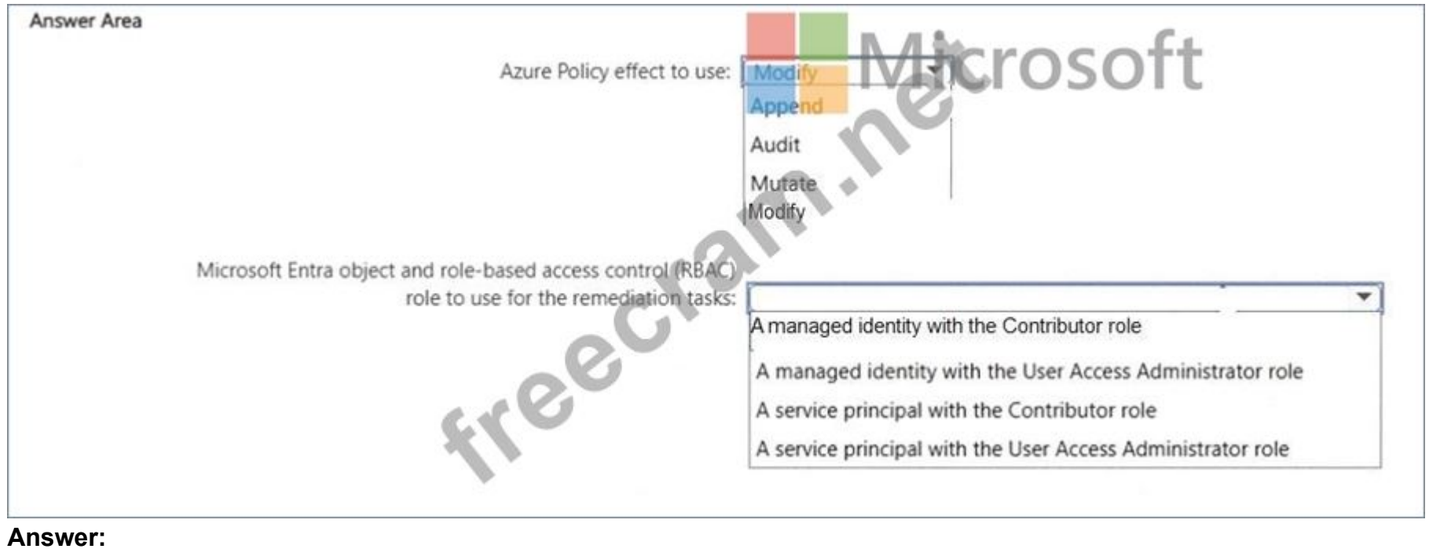
You need to design an Azure policy that will implement the following functionality:

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

The solution must use the principle of least privilege.

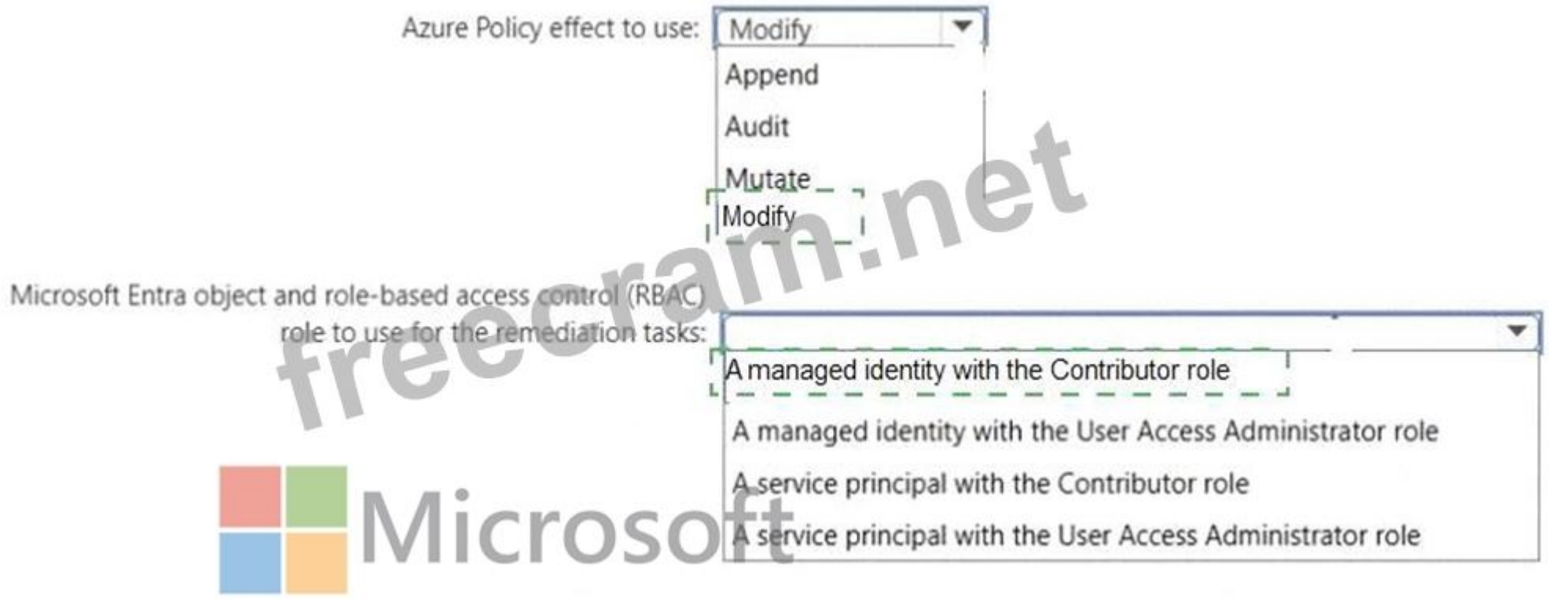
What should you include in the design? To answer, select the appropriate options in the answer area. NOTE:

Each correct selection is worth one point.

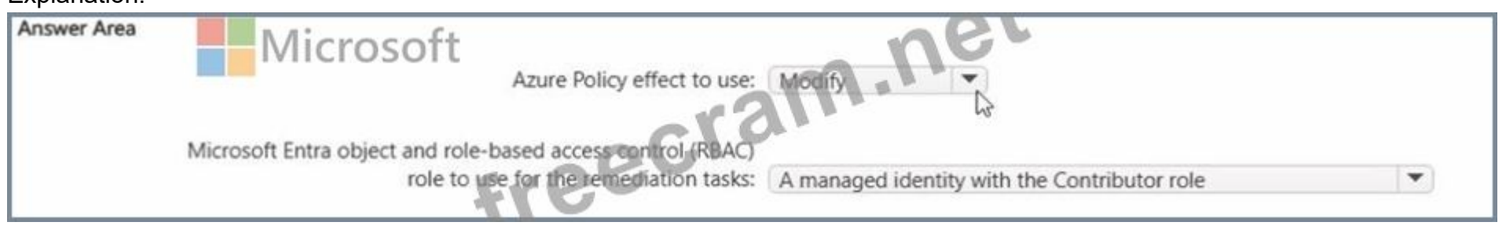


Answer:

Answer Area



Explanation:



NEW QUESTION: 109
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 Lake Storage
B. Azure Data Box Gateway
C. Azure Import/Export service
D. Azure Data Factory
E. Azure Data Box Edge
Answer: (SHOW ANSWER)

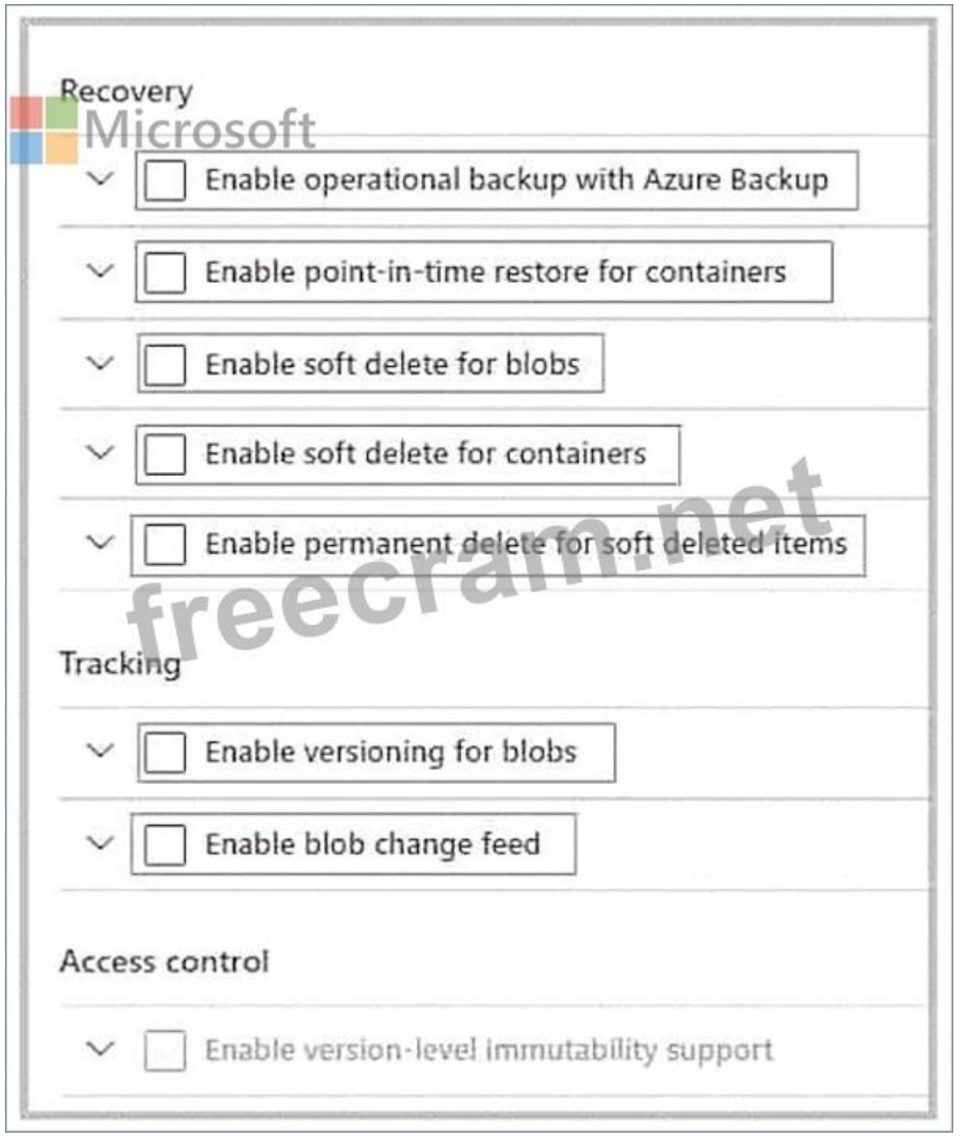
NEW QUESTION: 110

Your company has offices in the United States, Europe, Asia, and Australia.
You have an on-premises app named App1 that uses Azure Table storage. Each office hosts a local instance of App1.
You need to upgrade the storage for App1. The solution must meet the following requirements:
Enable simultaneous write operations in multiple Azure regions.
Ensure that write latency is less than 10 ms.
Support indexing on all columns.
Minimize development effort.
Which data platform should you use?

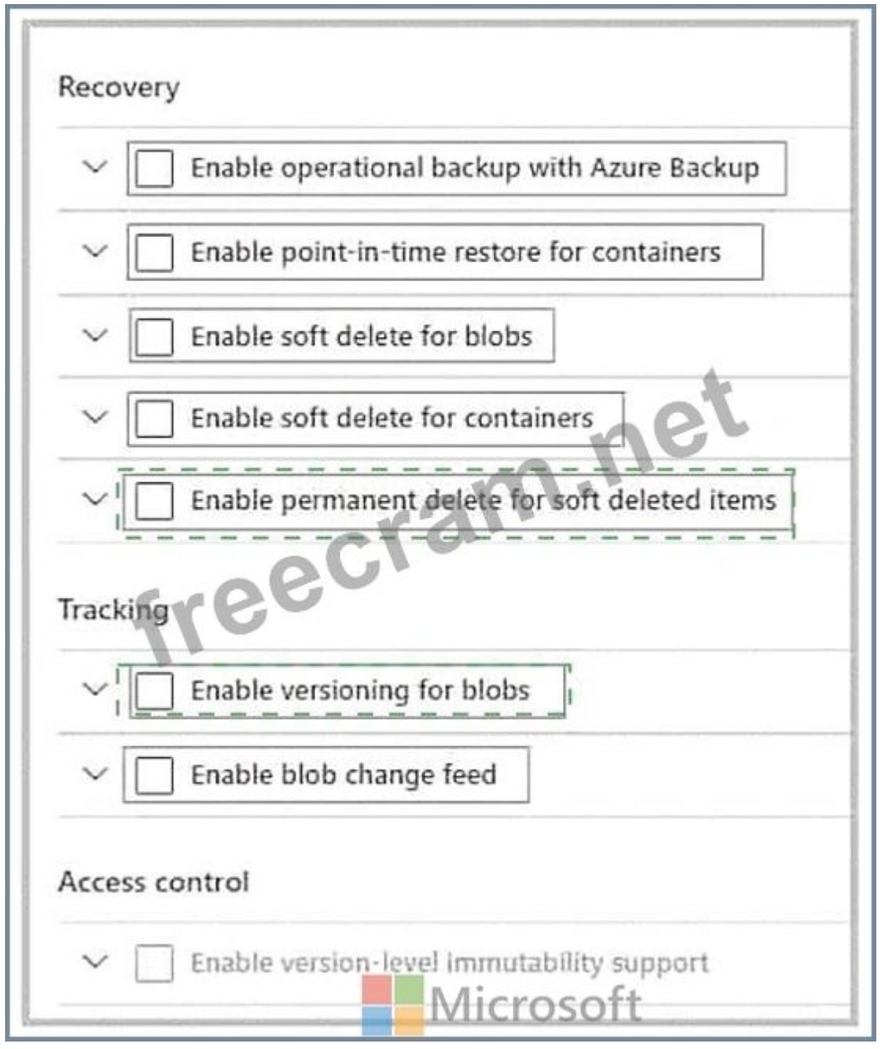
A. Azure SQL Database
B. Azure SQL Managed Instance
C. Azure Cosmos DB
D. Table storage that uses geo-zone-redundant storage (GZRS) replication
Answer: (SHOW ANSWER)
Azure Cosmos DB Table API has
Single-digit millisecond latency for reads and writes, backed with <10-ms latency reads and <15-ms latency writes at the 99th percentile, at any scale, anywhere in the world.
Automatic and complete indexing on all properties, no index management.
Turnkey global distribution from one to 30+ regions. Support for automatic and manual failovers at any time, anywhere in the world.
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/table-support

NEW QUESTION: 111
You need to recommend a data storage strategy for WebApp1.
What should you include in in the recommendation?
A. an Azure virtual machine that runs SQL Server
B. a vCore-based Azure SQL database
C. an Azure SQL Database elastic pool
D. a fixed-size DTU AzureSQL database.
Answer: B (LEAVE A REPLY)

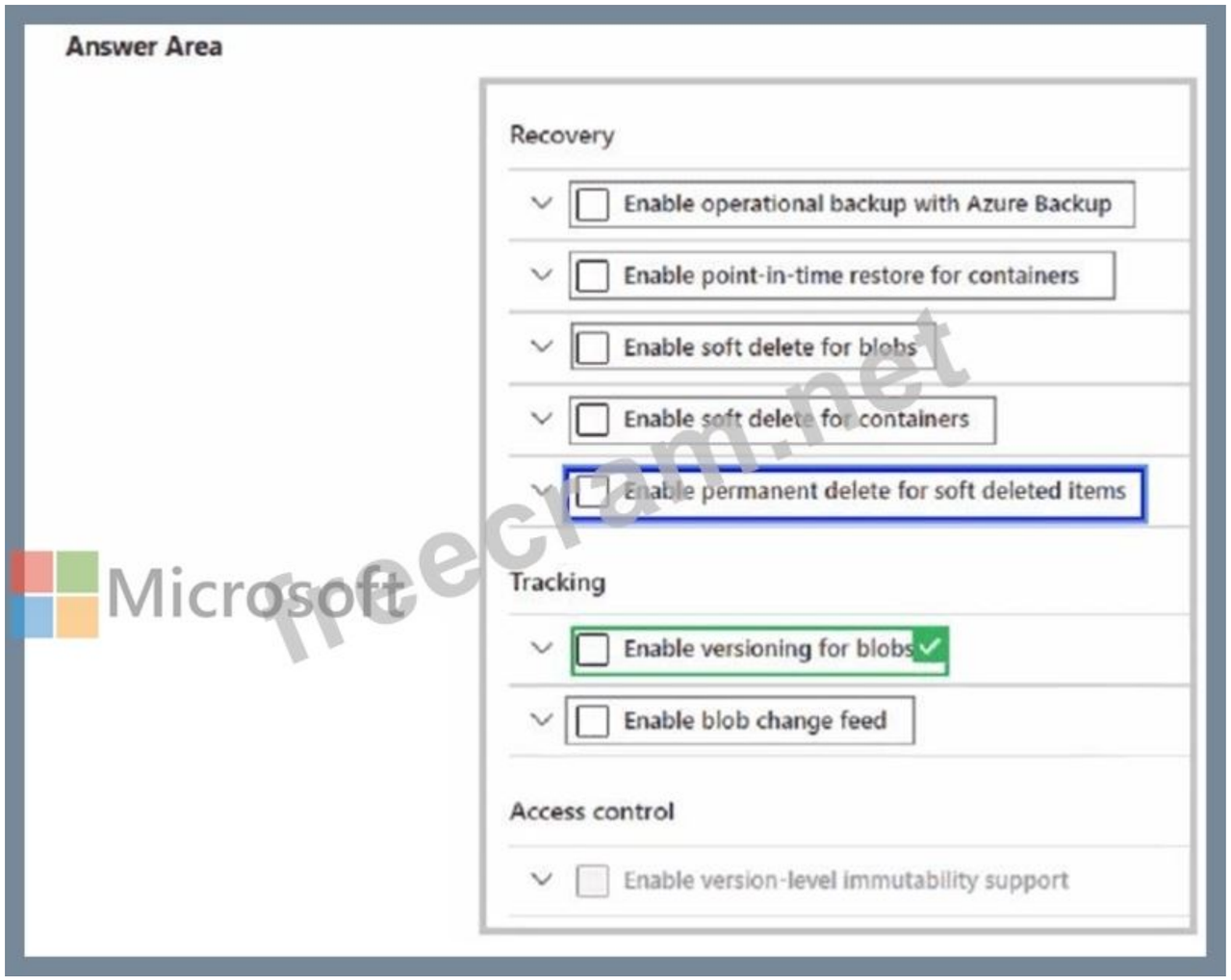
NEW QUESTION: 112
You have an Azure subscription.
You create a storage account that will store documents.
You need to configure the storage account to meet the following requirements:
* Ensure that retention policies are standardized across the subscription.
* Ensure that data can be purged if the data 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.



Answer:

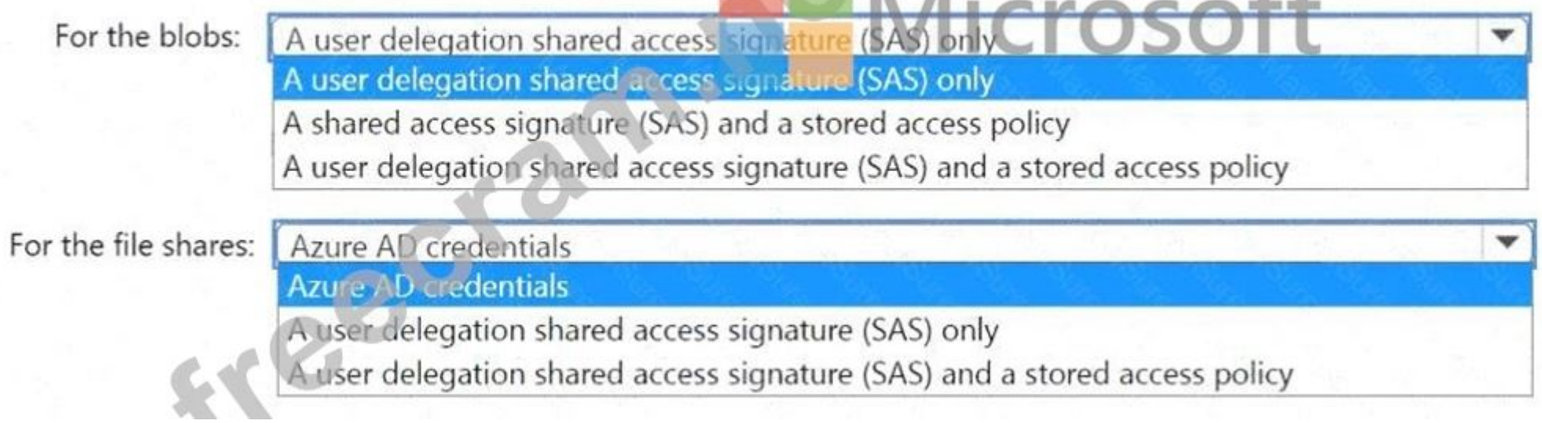


Explanation:

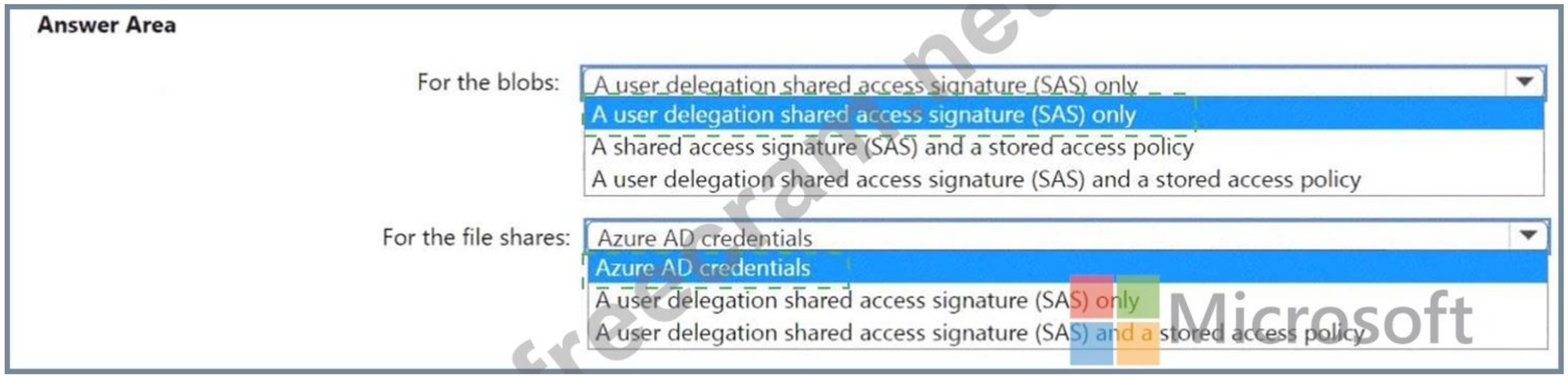


NEW QUESTION: 113
You have an Azure subscription.
You plan to deploy five storage accounts that will store block blobs and five storage accounts that will host file shares. The file shares will be accessed by using the SMB protocol.
You need to recommend an access authorization solution for the storage accounts. The solution must meet the following requirements:
* Maximize security.
* Prevent the use of shared keys.
* Whenever possible, support time-limited access.
What should you include in the solution? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

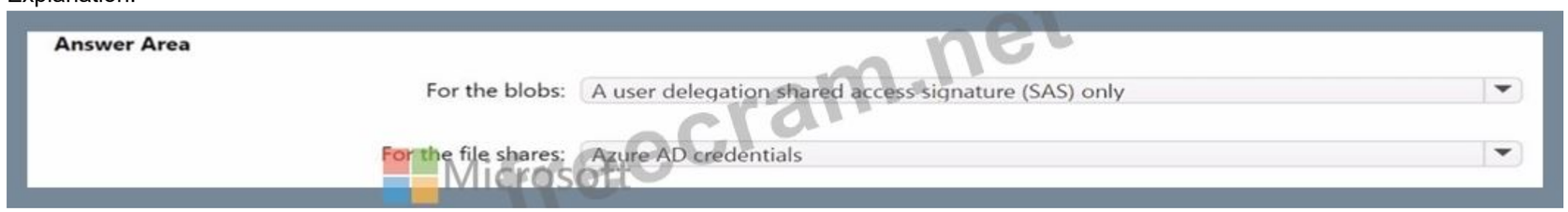
Answer Area



Answer:



Explanation:



NEW QUESTION: 114

You have the following projects;

* Project1: The development of an app that processes scanned images stored in an Azure Blob Storage account
* Project2: The migration of an on-premises app that processes log files as they arrive in an SMB file share
* Project3: The migration of an on-premises app that processes PDF documents stored on a local file system The projects have the requirements shown in the following table.

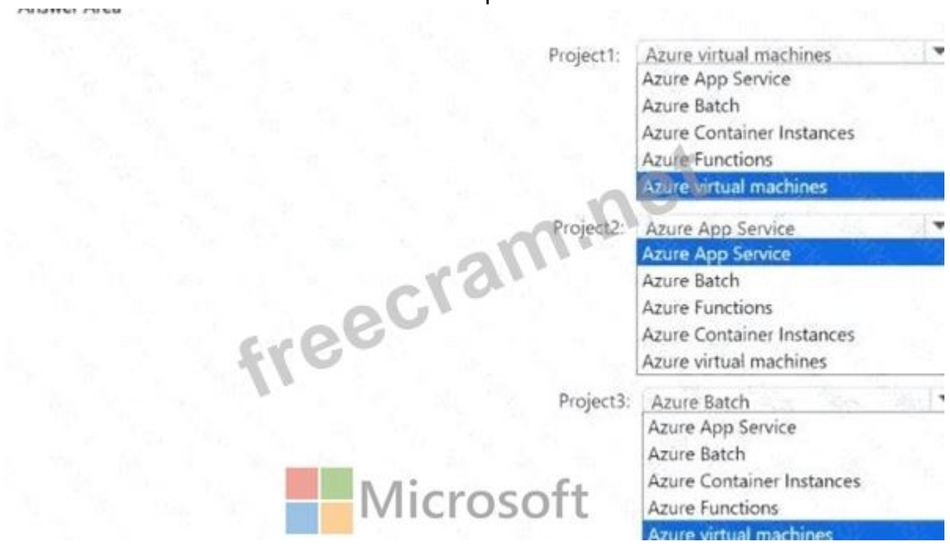
Project	Requirement
Project1	• Use high-performance computing (HPC). • Scale dynamically.
Project2	• Minimize how long it takes to spawn new processes. • Scale dynamically.
Project3	Minimize recurring requirements.

Project3 does NOT support the use of containers.

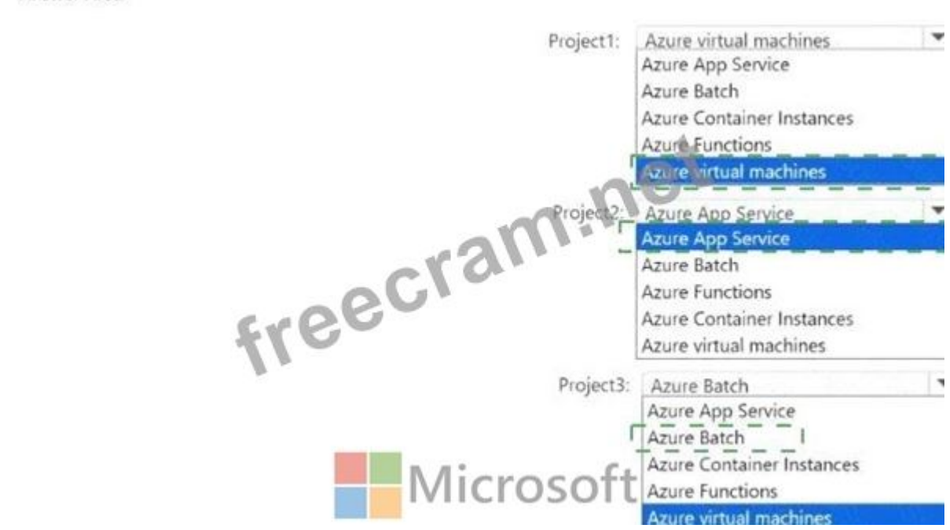
You need to recommend a compute solution for the projects.

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

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

Answer Area

Project1: Azure virtual machines

Project2: Azure App Service

Project3: Azure Batch

NEW QUESTION: 115

You have an Azure subscription. The subscription contains a Log Analytics workspace named WS1 that is accessible via a public endpoint. The subscription contains the virtual machines shown in the following table.

Location	Quantity	Description
Central US	20	Run the Server Core installation of Windows Server
East US	50	Run Windows Server and have IIS-based infrastructure services installed
West US	50	Run Windows Server and have IIS-based application services installed

You need to collects logs from the virtual machines and forward the logs to WS1 by using the Azure Monitor Agent. The solution must meet the following requirements:

* Collect Windows logs and IIS logs from the virtual machines in the East US Azure region.
* Collect Windows logs from the virtual machines in the Central US Azure region.
* Collect IIS logs from the virtual machines in the West US Azure region.

The solution must minimize the volume of data collected.

What is the minimum number of data collection rules (OCRs) and data collection endpoints (DCEs) required?

To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Minimum number of DCRs: 1 2 3

Minimum number of DCEs: 0 1 2 3

Answer:

Explanation:

NEW QUESTION: 116

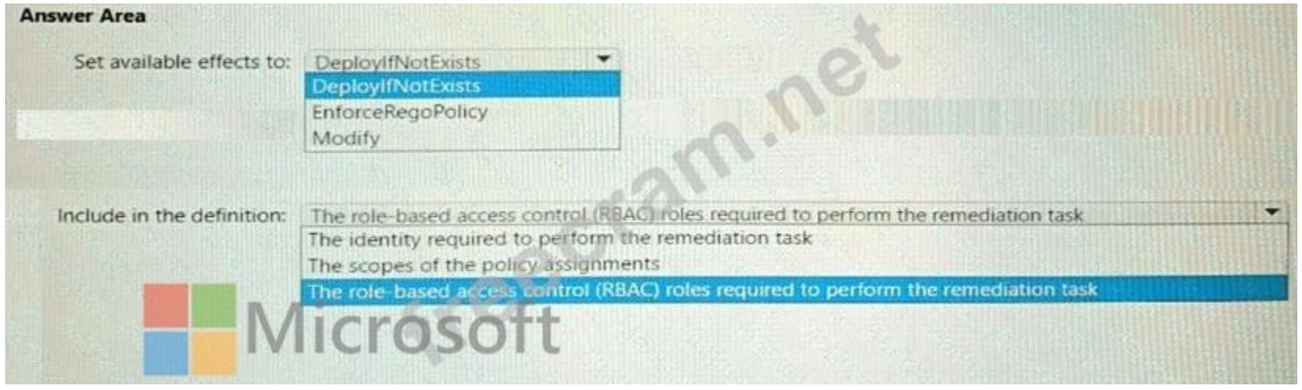
You have an Azure subscription that contains 50 Azure SQL databases.

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

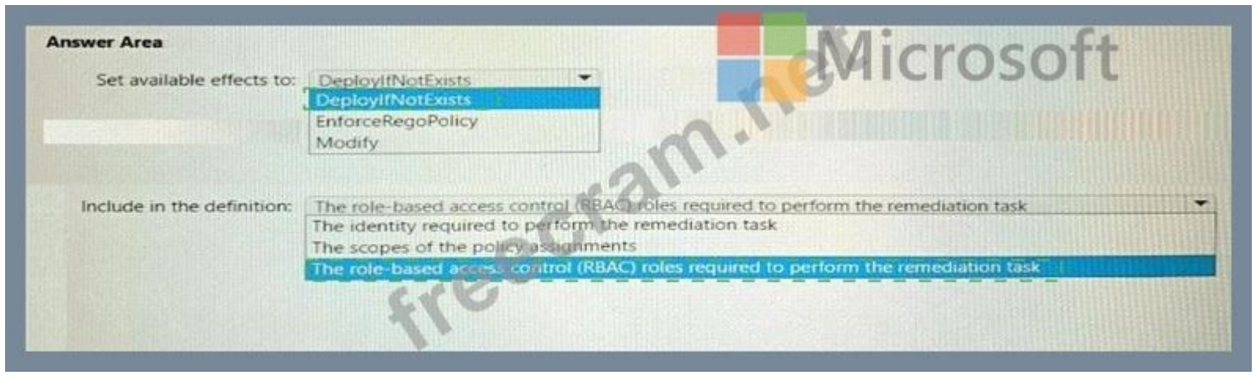
You need to create an Azure Policy definition named Policy1 that will use Template1 to enable IDE for any noncompliant Azure SQL databases.

How should you configure Policy 1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer:



Explanation:

NEW QUESTION: 117

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)

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: 118
You need to recommend a solution for the App1 maintenance task. The solution must minimize costs.
What should you include in the recommendation?
A. an Azure logic app
B. an Azure function
C. an Azure virtual machine
D. an App Service WebJob
Answer: (SHOW ANSWER)
https://learn.microsoft.com/en-us/azure/azure-functions/functions-reference-powershell?tabs=portal
https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function#create-a-timer-triggered-function

NEW QUESTION: 119
You have an Azure subscription.
You are designing a deployment solution for the Azure App Service web apps shown in the following table.

Name	Description
App1	• Will batch process files as they arrive in a storage account • Will process short-lived tasks • Will scale automatically
App2	• Will be based on multiple microservices • Will process long-lived tasks • Will scale automatically
App3	• Will process large datasets overnight by using an existing custom runtime • Will process short-lived tasks

You need to recommend a compute solution for the apps.
What should you include in the recommendation for each app? To answer, drag the appropriate recommendations to the correct apps. Each recommendation may be used once, more than once, or not at all.
You may need to drag the split bar between panes or scroll to view content.
NOTE Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION: 120

You need to recommend a notification solution for the IT Support distribution group.
What should you include in the recommendation?

A. Azure Network Watcher
B. an action group
C. a SendGrid account with advanced reporting
D. Azure AD Connect Health
Answer: (SHOW ANSWER)
References:
https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-health-operations

NEW QUESTION: 121

You have an on-premises Microsoft SQL server named SQLI that hosts 50 databases.
You plan to migrate SQL 1 to Azure SQL Managed Instance.
You need to perform an offline migration of SQL 1. The solution must minimize administrative effort.
What should you include in the solution?

A. SQL Server Migration Assistant (SSMA)
B. Azure Migrate
C. Data Migration Assistant (DMA)
D. Azure Database Migration Service
Answer: (SHOW ANSWER)
This Azure service supports migration in the offline mode for applications that can afford downtime during the migration process. Unlike the continuous migration in online mode, offline mode migration runs a one-time restore of a full database backup from the source to the target
https://learn.microsoft.com/en-us/azure/azure-sql/migration-guides/managed-instance/sql-server-to-managed-instance-overview?view=azuresql#compare-migration-options

NEW QUESTION: 122
You are designing an app that will use Azure Cosmos DB to collate sales data from multiple countries. You need to recommend an API for the app. The solution must meet the following requirements:
* Support SQL queries.
* Support geo-replication.
* Store and access data relationally.
Which API should you recommend?
A. Apache Cassandra
B. PostgreSQL
C. MongoDB
D. NoSQL
Answer: (SHOW ANSWER)

NEW QUESTION: 123
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)
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: 124

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

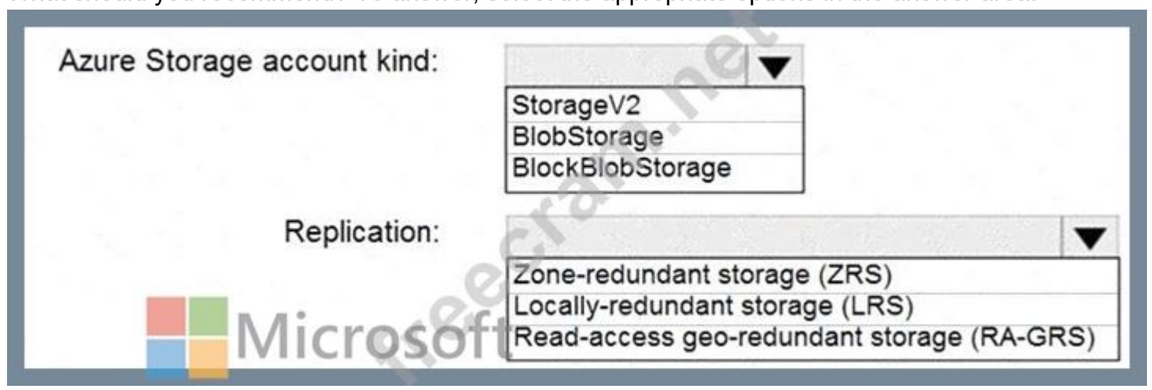
Prevent new data from being modified for one year.

Minimize read latency.

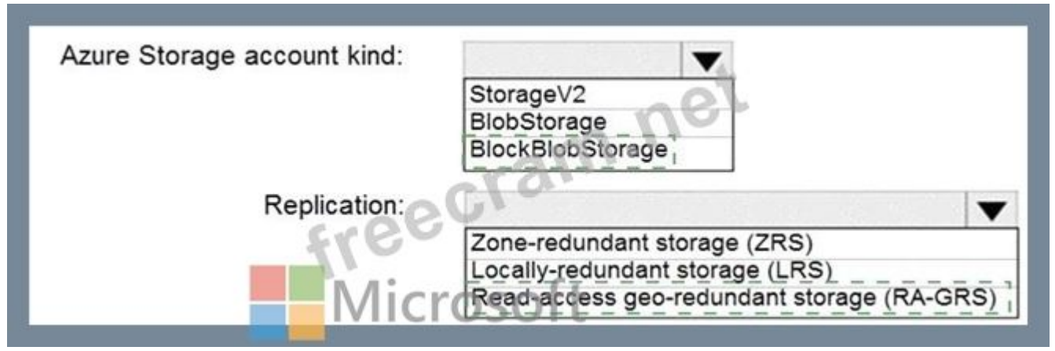
Maximize data resiliency.

You need to recommend a storage solution for the app.

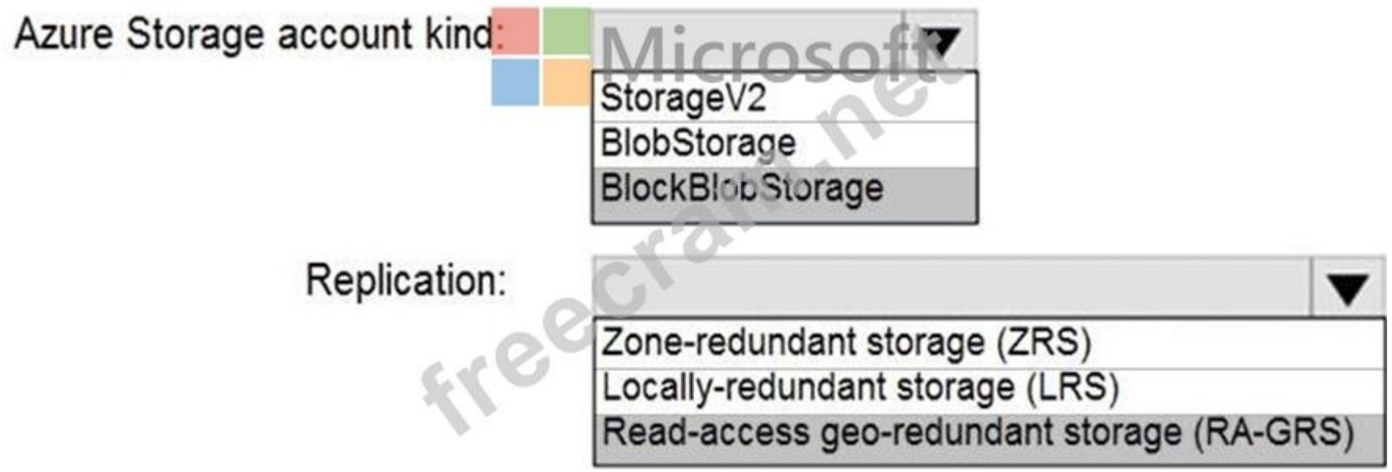
What should you recommend? To answer, select the appropriate options in the answer area.



Answer:



Explanation:



Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview
https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?toc=/azure/storage/blobs/toc.json

NEW QUESTION: 125
Your company has the divisions shown in the following table.

Division	Azure subscription	Azure AD tenant
East	Sub1	Contoso.com
West	Sub2	Fabrikam.com

Sub1 contains an Azure App Service web app named App1. Appl uses Azure AD for single-tenant user authentication. Users from contoso.com can authenticate to App1.
You need to recommend a solution to enable users in the fabrikam.com tenant to authenticate to App1.
What should you recommend?
A. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).
B. Configure Supported account types in the application registration and update the sign-in endpoint.
C. Configure the Azure AD provisioning service.
D. Enable Azure AD pass-through authentication and update the sign-in endpoint
Answer: (SHOW ANSWER)

NEW QUESTION: 126
You have an on-premises network and an Azure subscription. The on-premises network has several branch offices.
A branch office in Toronto contains a virtual machine named VM1 that is configured as a file server. Users access the shared files on VM1 from all offices.
You need to recommend a solution to ensure that the users can access the shared files as quickly as possible if the Toronto branch office is inaccessible.
What should you include in the recommendation?
A. a Recovery Services vault and Azure Backup
B. a Recovery Services vault and Windows Server Backup
C. Azure blob containers and Azure File Sync
D. an Azure file share and Azure File Sync
Answer: (SHOW ANSWER)

NEW QUESTION: 127
You have a .NET web service named Service! that performs the following tasks:
* Reads and writes temporary files to the local file system.
* Writes to the Application event log.
You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:
* Minimize maintenance overhead.
* Minimize costs.
What should you include in the recommendation?
A. an Azure virtual machine scale set
B. an Azure App Service web app
C. an Azure Functions app
D. an App Service Environment (ASE)
Answer: (SHOW ANSWER)

NEW QUESTION: 128
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. Yes
B. No
Answer: (SHOW ANSWER)

NEW QUESTION: 129
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)
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: 130

Your company develops Azure applications.
You need to recommend a solution for the deployment of Azure subscriptions. The solution must meet the following requirements:
What should you include in the recommendation?

A. Provision resource groups.
B. Support deployments across all Azure regions.
C. Create custom role-based access control (RBAC) roles.
D. Provide consistent virtual machine and virtual network configurations.
Answer: (SHOW ANSWER)
Resource groups: You can scope your deployment to a resource group. You use an Azure Resource Manager template (ARM template) for the deployment.
Regions: If you have a template spec in one region and want to move it to new region, you can export the template spec and redeploy it.
RBAC: Azure role-based access control (Azure RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope. In addition to using Azure PowerShell or the Azure CLI, you can assign roles using Azure Resource Manager templates. Templates can be helpful if you need to deploy resources consistently and repeatedly You can setup Virtual machines and virtual network configurations in an Azure Resource Manager template.
Reference:
https://docs.microsoft.com/en-us/azure/governance/blueprints/overview
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/microsoft-resources-move-regions
https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-template
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/template-description

NEW QUESTION: 131
You have an Azure subscription that contains multiple virtual machines that use managed disks.
You plan to use Azure Site Recovery to replicate the virtual machines across availability zones in the same Azure region.
You need to recommend a redundancy level for the managed disks. The solution must maximize the availability of the planned solution What should you recommend?
A. geo-zone-redundant storage (GZRSJ
B. locally-redundant storage (LRS)
C. zone-redundant storage (ZRS)
D. geo-redundant storage (GRS)
Answer: (SHOW ANSWER)

NEW QUESTION: 132
You are designing a message application that will run on an on-premises Ubuntu virtual machine. The application will use Azure Storage queues.
You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:
Create and delete queues daily.
Be scheduled by using a CRON job.
Upload messages every five minutes.
What should developers use to interact with the queues?
A. Azure CLI
B. AzCopy
C. Azure Data Factory

D. .NET Core
Answer: (SHOW ANSWER)
Reference:
https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues

NEW QUESTION: 133
You are designing a point of sale (POS) solution that will be deployed across multiple locations and will use an Azure Databricks workspace in the Standard tier. The solution will include multiple apps deployed to the on-premises network of each location.
You need to configure the authentication method that will be used by the app to access the workspace. The solution must minimize the administrative effort associated with staff turnover and credential management.
What should you configure?
A. a service principal
B. a personal access token
C. a managed identity
Answer: (SHOW ANSWER)

NEW QUESTION: 134
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)
https://docs.microsoft.com/en-us/azure/storage/blobs/manage-access-tier?tabs=portal

NEW QUESTION: 135
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)

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

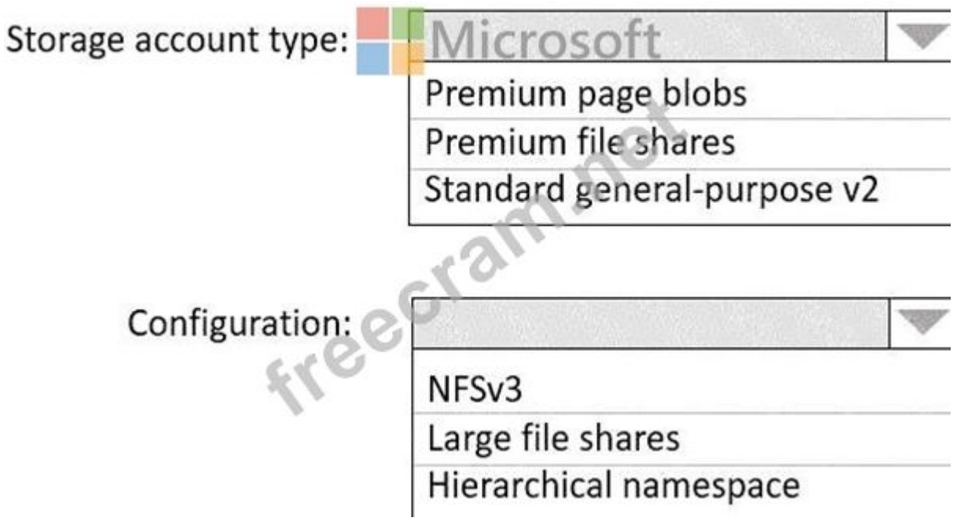
NEW QUESTION: 136

You plan to migrate App1 to Azure.

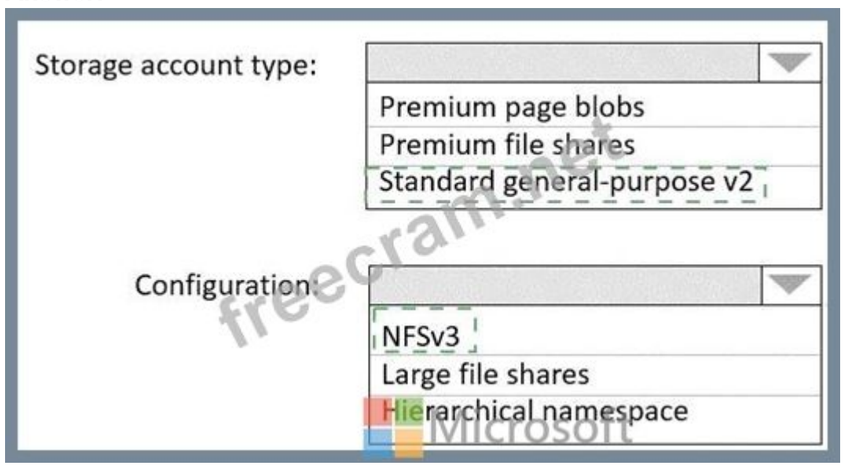
You need to recommend a storage solution for App1 that meets the security and compliance requirements.

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

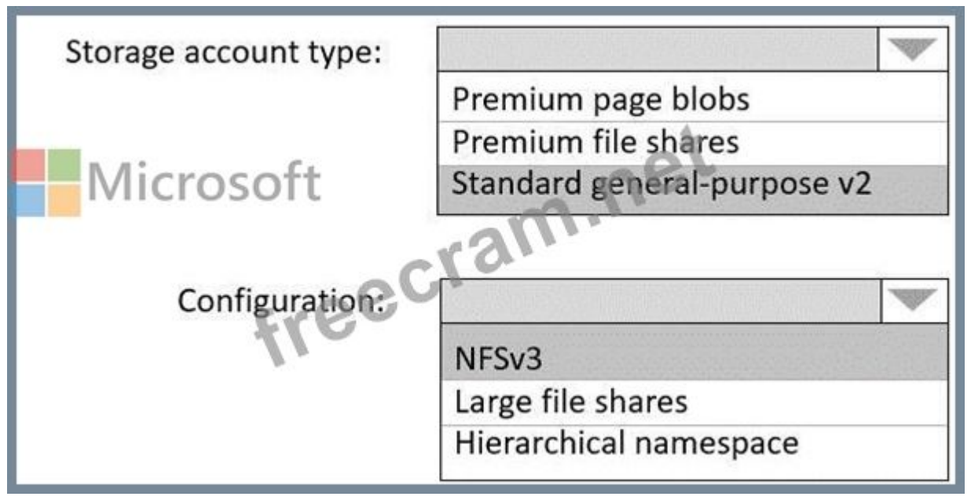
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



Box 1: Standard general-purpose v2

Standard general-purpose v2 supports Blob Storage.

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

Scenario:

Litware identifies the following security and compliance requirements:

Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.

On-premises users and services must be able to access the Azure Storage account that will host the data in App1.

Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.

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

App1 must NOT share physical hardware with other workloads.

Box 2: NFSv3

Scenario: Plan: Migrate App1 to Azure virtual machines.

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

Reference:

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

NEW QUESTION: 137

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

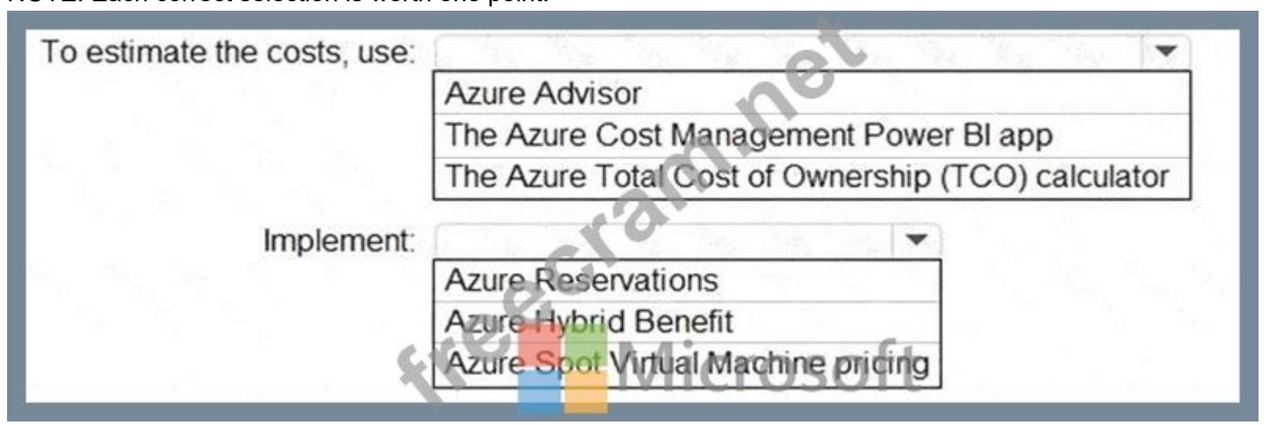
You have an Azure subscription.

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

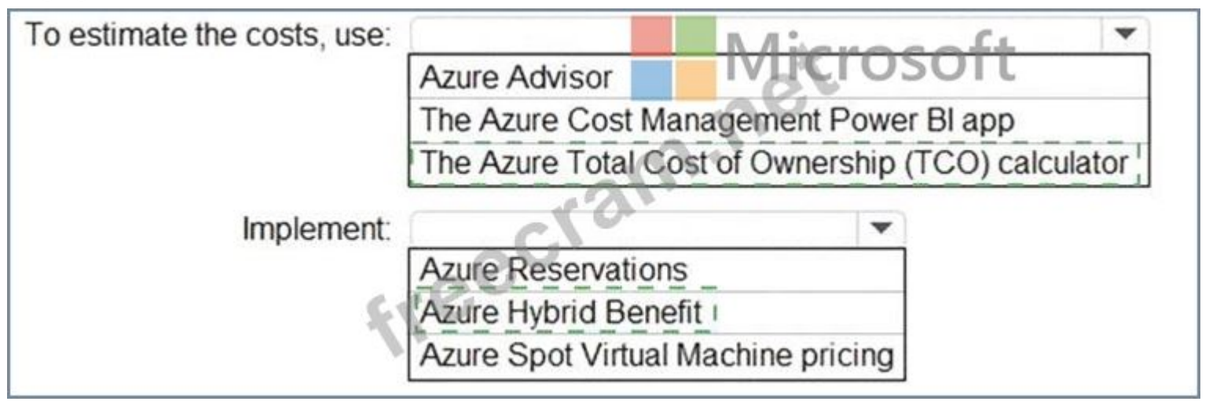
What should you do first?

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

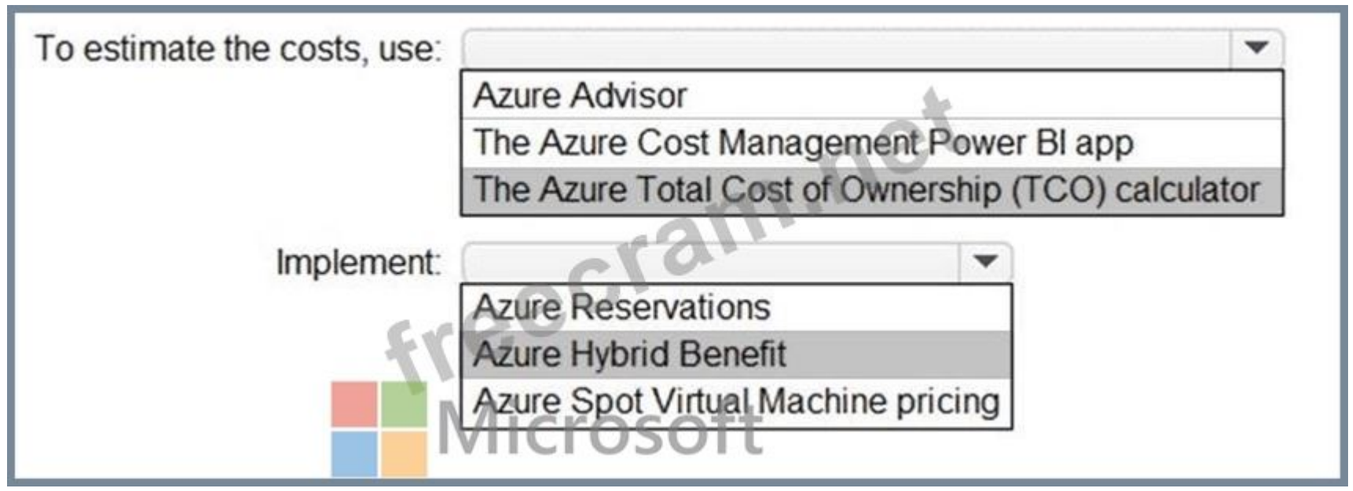
NEW QUESTION: 138
You plan to migrate App1 to Azure.
You need to estimate the compute costs for App1 in Azure. The solution must meet the security and compliance requirements.
What should you use to estimate the costs, and what should you implement to minimize the costs? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



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

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

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

Box 2: Azure Hybrid Benefit

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

Scenario:

Litware identifies the following security and compliance requirements:

Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.

On-premises users and services must be able to access the Azure Storage account that will host the data in App1.

Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.

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

App1 must not share physical hardware with other workloads.

Reference:

https://azure.microsoft.com/en-us/pricing/tco/

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

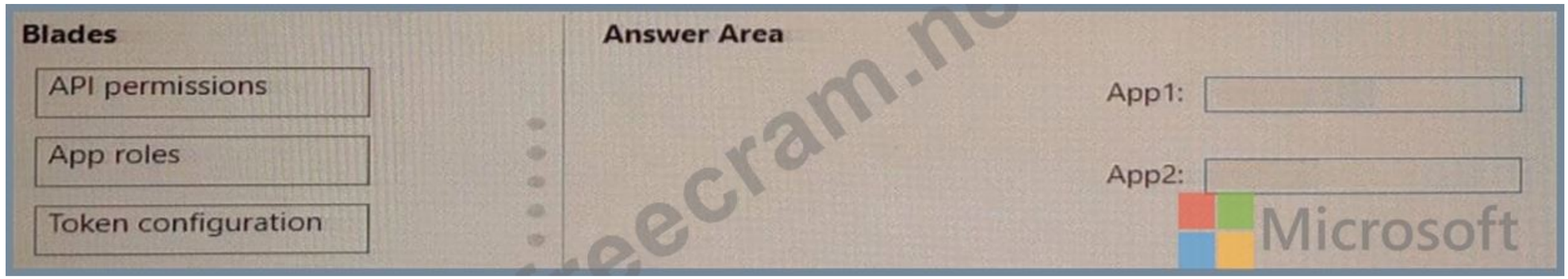
NEW QUESTION: 139

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

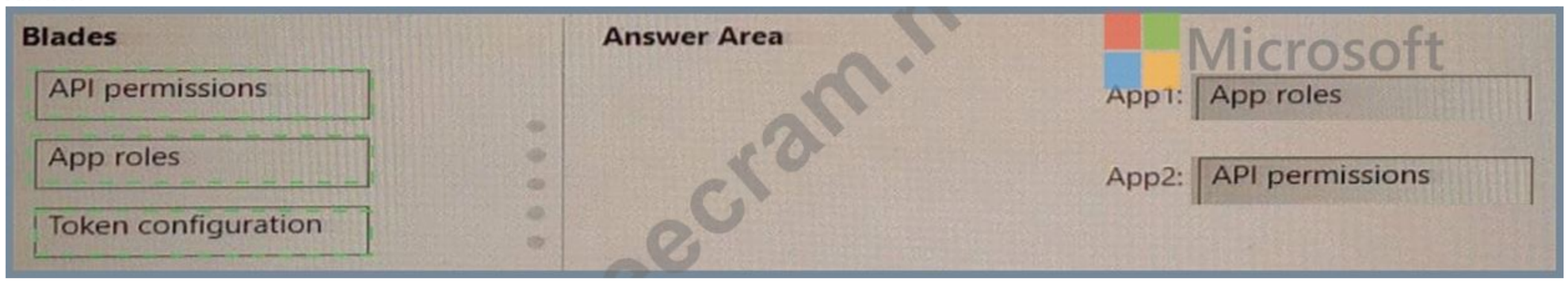
You need to ensure that when App2 authenticates to access App1, the tokens issued by Azure AD include the Writer role claim.

Which blade should you use to modify each app registration? To answer, drag the appropriate blades to the correct app registrations. Each blade may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

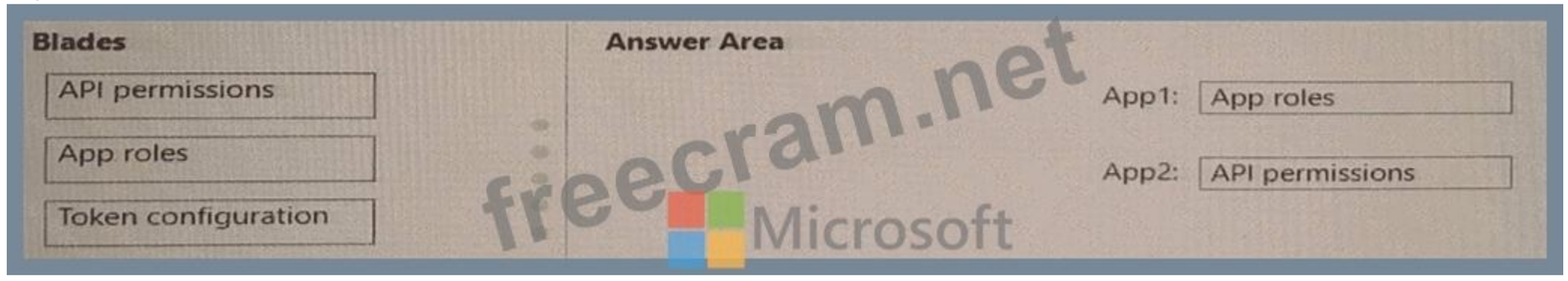
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



NEW QUESTION: 140

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)

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

NEW QUESTION: 141
You are designing a solution that calculates 3D geometry from height-map data. You need to recommend a solution that meets the following requirements:
* Performs calculations in Azure.
* Ensures that each node can communicate data to every other node.
* Maximizes the number of nodes to calculate multiple scenes as fast as possible.
* Minimizes the amount of effort to implement the solution.
Which two actions should you include in the recommendation? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.
A. Create a render farm that uses virtual machine scale sets.
B. Create a render farm that uses virtual machines.
C. Enable parallel task execution on compute nodes.
D. Create a render farm that uses Azure Batch.
E. Enable parallel file systems on Azure.
Answer: C,D (LEAVE A REPLY)

NEW QUESTION: 142
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.	○	○
You must provision an Azure Storage account for the Web site content storage.	○	○
You must provision an Azure Storage account for the Database metric monitoring.	○	○

Answer:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	○	○
You must provision an Azure Storage account for the Web site content storage.	○	○
You must provision an Azure Storage account for the Database metric monitoring.	○	○

Explanation:

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	○	○
You must provision an Azure Storage account for the Web site content storage.	○	○
You must provision an Azure Storage account for the Database metric monitoring.	○	○

Topic 3, Contoso

Case Study

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

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

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

To start the case study

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

Existing Environment: Technical Environment

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

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

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

Requirements: Planned Changes

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

Requirements: App1

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

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

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

App1 has the following data requirements:

Each instance will write data to a data store in the same availability zone as the instance.

Data written by any App1 instance must be visible to all App1 instances.

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

Connections to App1 must pass through a web application firewall (WAF).

Connections to App1 must be active-active load balanced between instances.

All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

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

Requirements: App2

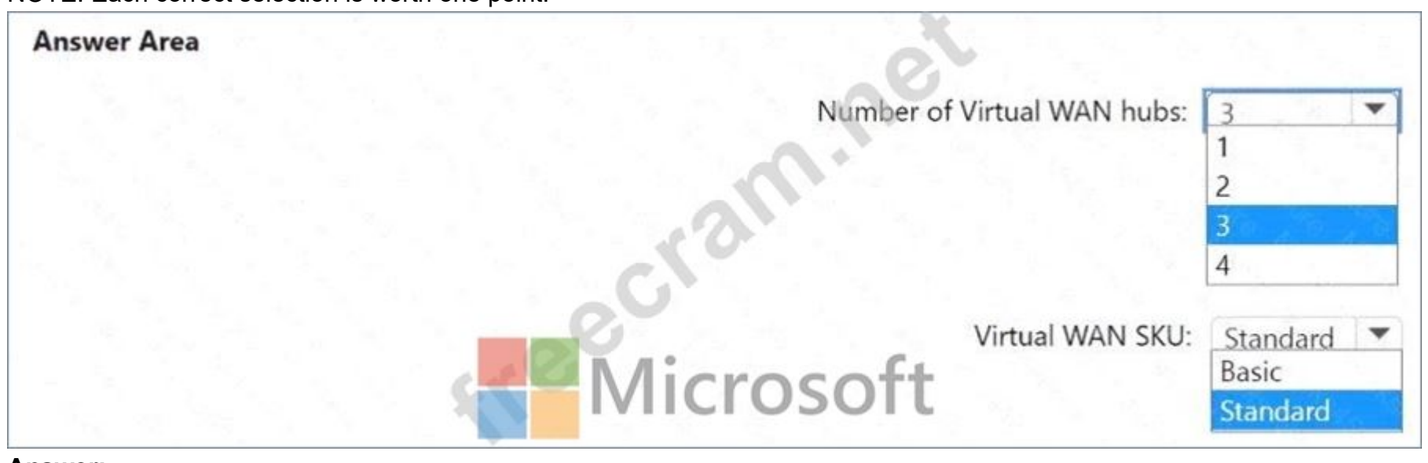
App2 will be a NET app hosted in App Service that requires a Windows runtime. App2 has the following file storage requirements:

Save files to an Azure Storage account.

Replicate files to an on-premises location.

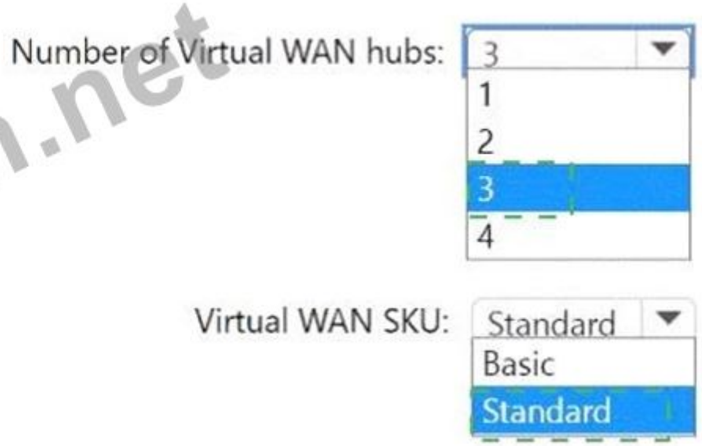
Ensure that on-premises clients can read the files over the LAN by using the SMB protocol.
You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.
Application Development Requirements
Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:
A staging instance of a new application version must be deployed to the application host before the new version is used in production.
After testing the new version, the staging version of the application will replace the production version.
The switch to the new application version from staging to production must occur without any downtime of the application.
Identity Requirements
Contoso identifies the following requirements for managing Fabrikam access to resources:
Every month, an account manager at Fabrikam must review which Fabrikam users have access permissions to App1. Accounts that no longer need permissions must be removed as guests.
The solution must minimize development effort.
Security Requirement
All secrets used by Azure services must be stored in Azure Key Vault.
Services that require credentials must have the credentials tied to the service instance. The credentials must NOT be shared between services.

NEW QUESTION: 143
Your company has offices in New York City, Sydney, Paris, and Johannesburg.
The company has an Azure subscription.
You plan to deploy a new Azure networking solution that meets the following requirements:
* Connects to ExpressRoute circuits in the Azure regions of East US, Southeast Asia, North Europe, and South Africa
* Minimizes latency by supporting connections in three regions
* Supports Site-to-Site VPN connections
* Minimizes costs
You need to identify the minimum number of Azure Virtual WAN hubs that you must deploy, and which virtual WAN SKU to use. What should you identify? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

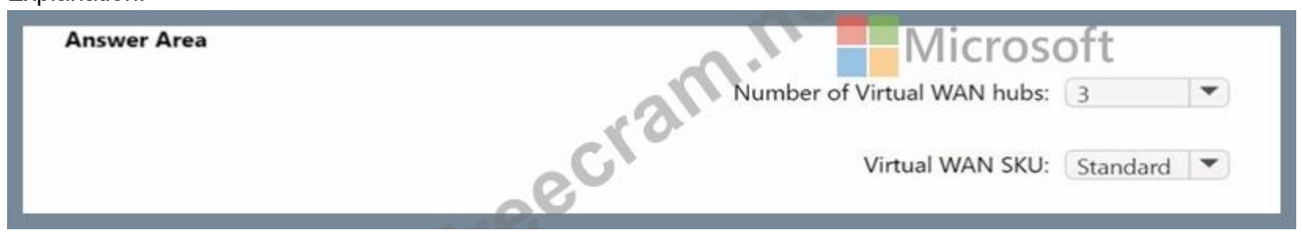


Answer:

Answer Area



Explanation:



NEW QUESTION: 144

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

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

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

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

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

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

Does this meet the goal?

A. Yes

B. No

Answer: (SHOW ANSWER)

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

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

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

Reference:

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

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

NEW QUESTION: 145

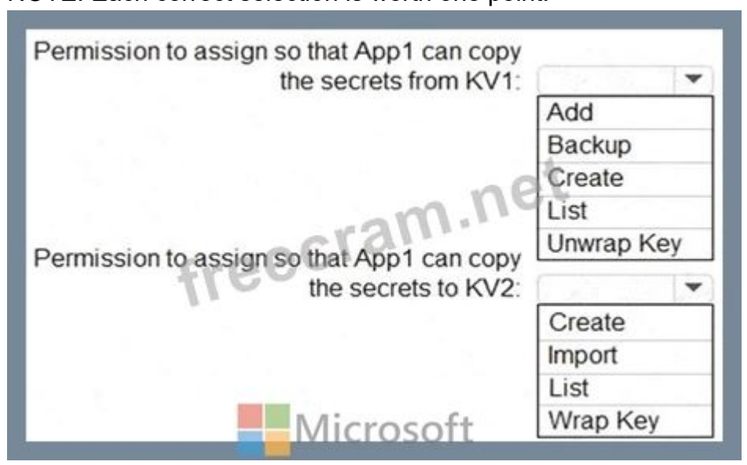
You have a resource group named RG1 that contains the objects shown in the following table.

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

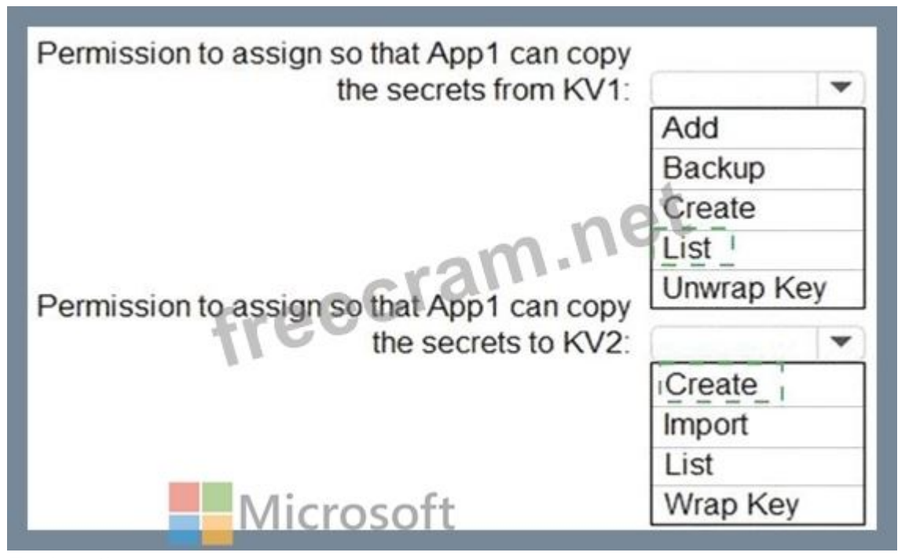
You need to configure permissions so that App1 can copy all the secrets from KV1 to KV2. App1 currently has the Get permission for the secrets in KV1.

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

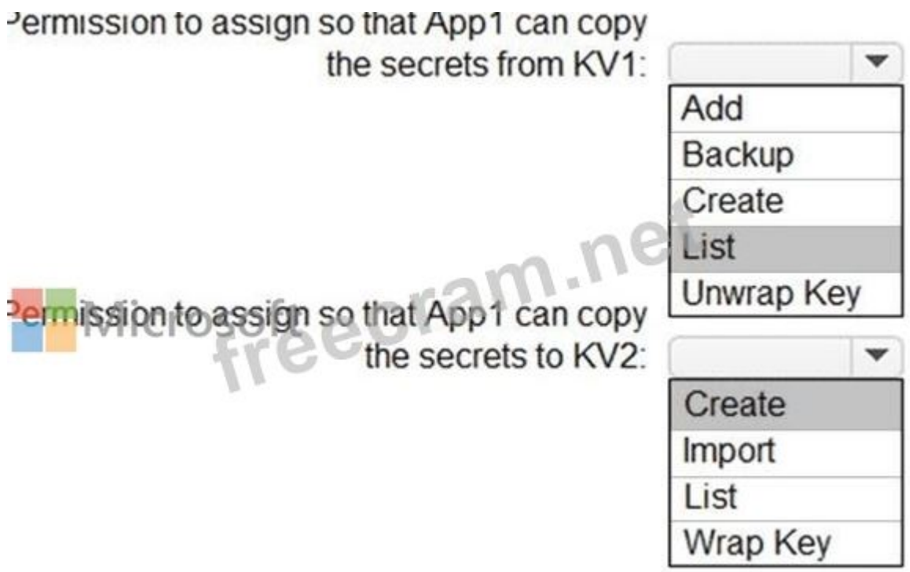
NOTE: Each correct selection is worth one point.



Answer:



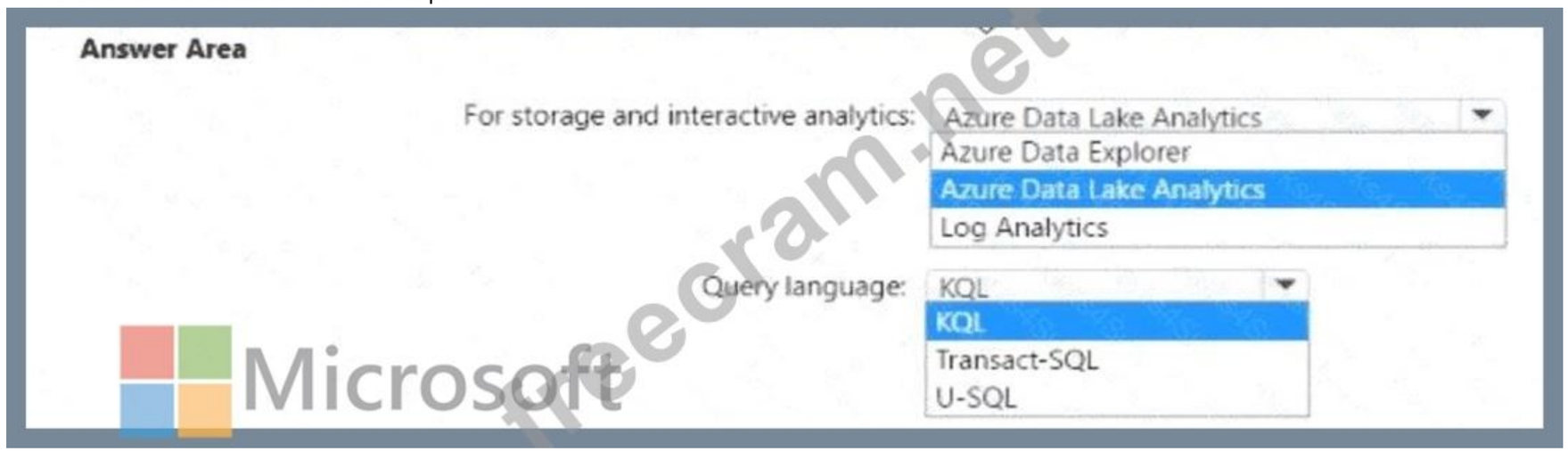
Explanation:



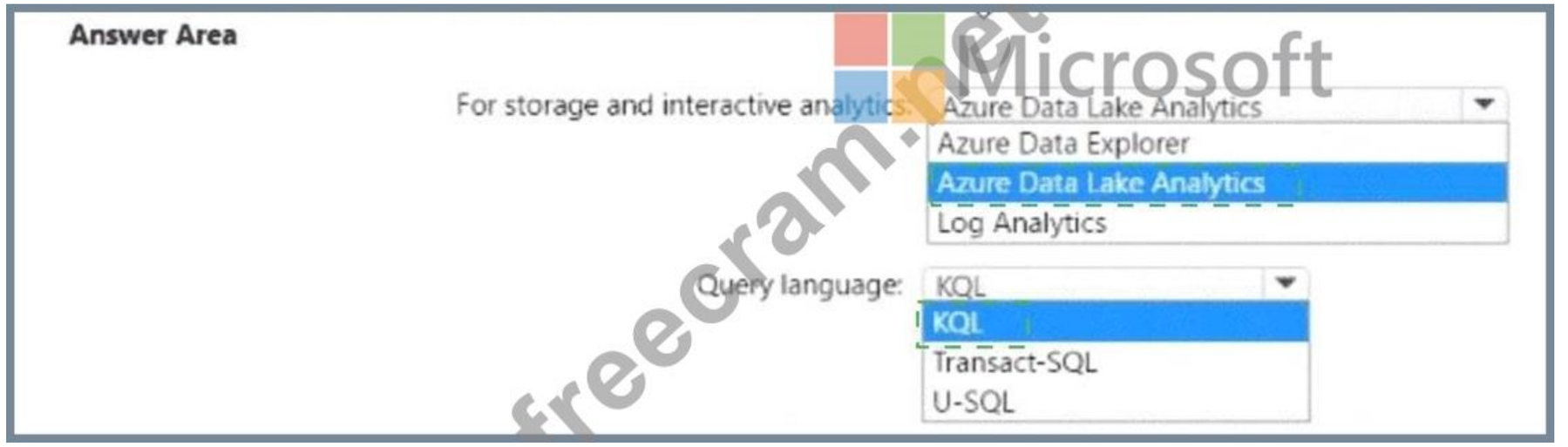
Box 1: List
Get: Gets the specified Azure key vault.
List: The List operation gets information about the vaults associated with the subscription.
Box 2: Create
Create Or Update: Create or update a key vault in the specified subscription.
Reference:
https://docs.microsoft.com/en-us/rest/api/keyvault/

NEW QUESTION: 146
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)
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: 147
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:



Explanation:

NEW QUESTION: 148

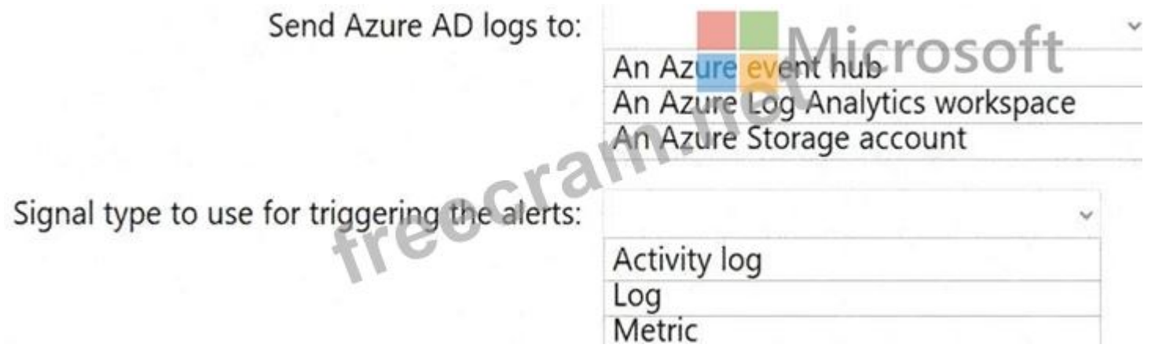
You have an Azure Active Directory (Azure AD) tenant.

You plan to use Azure Monitor to monitor user sign-ins and generate alerts based on specific user sign-in events.

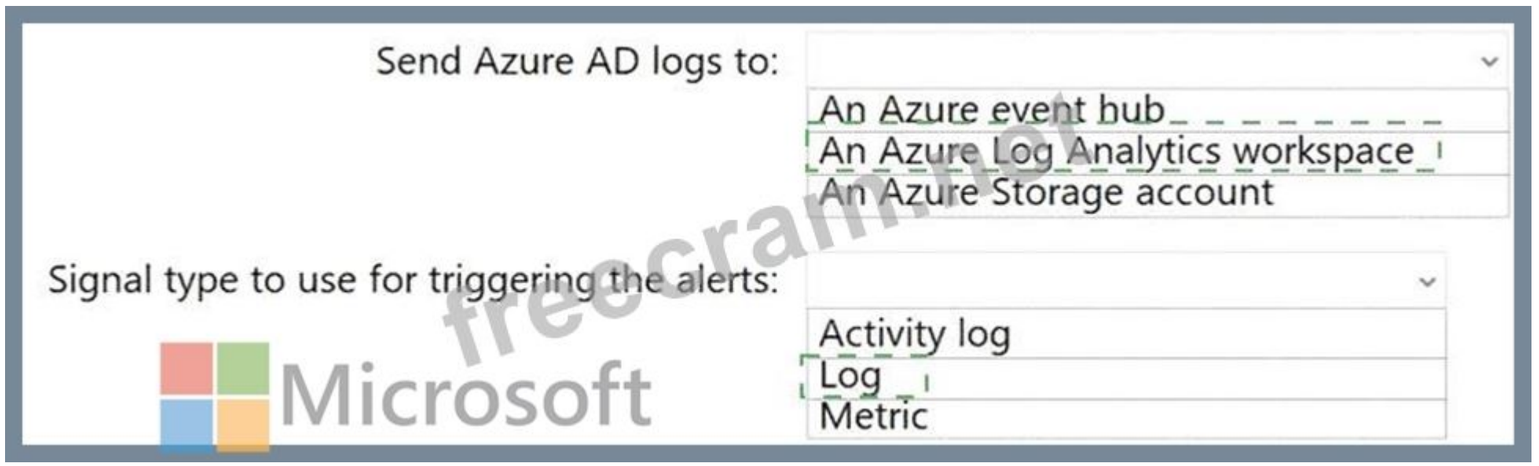
You need to recommend a solution to trigger the alerts based on the events.

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

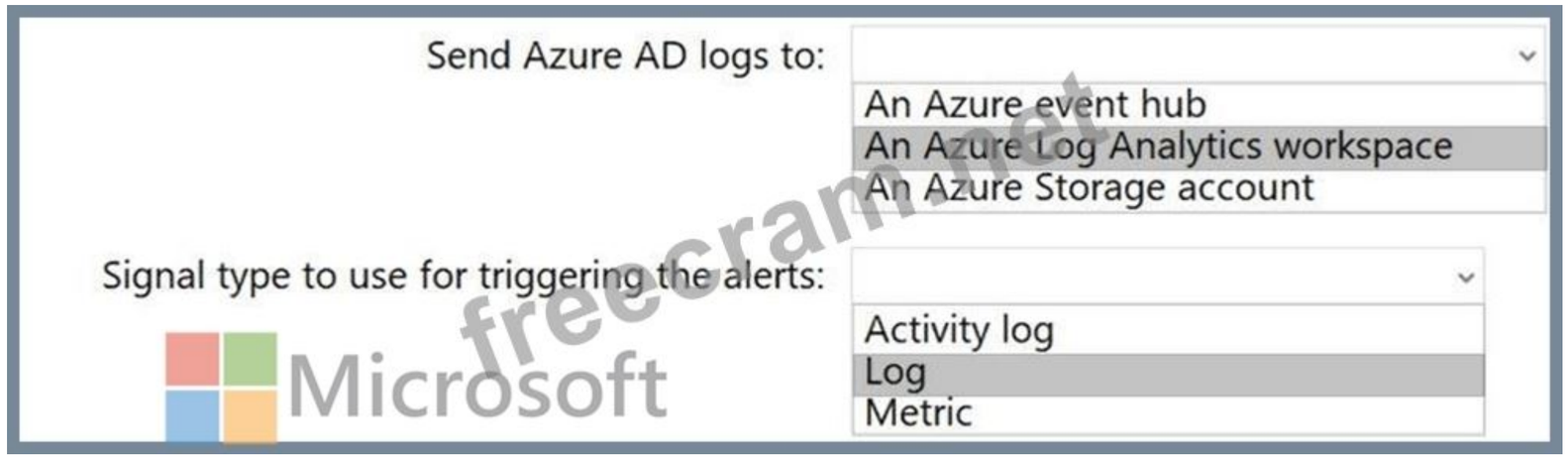
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



Box 1: An Azure Log Analytics workspace

To be able to create an alert we send the Azure AD logs to An Azure Log Analytics workspace.

Note: You can forward your AAD logs and events to either an Azure Storage Account, an Azure Event Hub, Log Analytics, or a combination of all of these.

Box 2: Log

Ensure Resource Type is an analytics source like Log Analytics or Application Insights and signal type as Log.

Reference:

https://4sysops.com/archives/how-to-create-an-azure-ad-admin-login-alert/

https://docs.microsoft.com/en-us/azure/azure-monitor/platform/alerts-log

NEW QUESTION: 149

You plan to deploy an Azure BareMetal Infrastructure instance that will host the data tier of a business- critical workload. The application tier of the workload will be hosted on Azure virtual machines.

You need to configure the virtual machines to minimize network latency between the application tier and the data tier.

What should you use?

A. an availability zone

B. a proximity placement group

C. an availability set

D. ExpressRoute FastPath

Answer: (SHOW ANSWER)

NEW QUESTION: 150

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)

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

NEW QUESTION: 151
You have an application that is used by 6,000 users to validate their vacation requests. The application manages its own credential Users must enter a username and password to access the application. The application does NOT support identity providers.
You plan to upgrade the application to use single sign-on (SSO) authentication by using an Azure Active Directory (Azure AD) application registration.
Which SSO method should you use?
A. OpenID Connect
B. SAML
C. password-based
D. header-based
Answer: (SHOW ANSWER)

NEW QUESTION: 152
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company plans to deploy various Azure App Service instances that will use Azure SQL databases. The App Service instances will be deployed at the same time as the Azure SQL databases.
The company has a regulatory requirement to deploy the App Service instances only to specific Azure regions. The resources for the App Service instances must reside in the same region.
You need to recommend a solution to meet the regulatory requirement.
Solution: You recommend using an Azure Policy initiative to enforce the location of resource groups.
Does this meet the goal?
A. Yes
B. No
Answer: (SHOW ANSWER)
This solution does not meet the goal because an Azure Policy initiative can only enforce the location of resources, not resource groups. Resource groups are not a resource type that can be targeted by Azure Policy1. To enforce the location of resource groups, you need to use Azure Resource Manager templates2 or Azure PowerShell3 to create them in the desired regions.
References:
1: Understand scope in Azure Policy 2: Create resource groups with Azure Resource Manager templates 3:
Create resource groups with Azure PowerShell

NEW QUESTION: 153
Your company has IT, security, and finance departments.
You need to implement a new Azure deployment that will include multiple Azure subscriptions and management groups. The solution must meet the following requirements:
* Ensure that all policies are assigned at the management group level.
* Ensure that all the finance department resources have specific encryption policies applied.
* Ensure that only users in the IT department can create virtual machines in any Azure region.
* Ensure that users in the finance department can create virtual machines in only the East US Azure region.
What is the minimum number of management groups you can create for the planned deployment?
A. 3
B. 1
C. 4
D. 2
Answer: (SHOW ANSWER)

NEW QUESTION: 154
You have the resources shown in the following table.

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

CDB1 hosts a container that stores continuously updated operational data You are designing a solution that will use AS1 to analyze the operational data dairy.
You need to recommend a solution to analyze the data without affecting the performance of the operational data store.
What should you include in the recommendation?
A. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
B. Azure Synapse Link for Azure Cosmos DB
C. Azure Synapse Analytics with PolyBase data loading
D. Azure Cosmos DB change feed
Answer: (SHOW ANSWER)