AZ-301 Dumps

Microsoft Azure Architect Design

https://www.certleader.com/AZ-301-dumps.html

NEW QUESTION 1
You need to recommend a solution to meet the database retention requirement. What should you recommend?

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

Answer: A

NEW QUESTION 2
You need to recommend a data storage strategy for WebApp1. What should you include in in the recommendation?

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

Answer: D

NEW QUESTION 3
You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

A. Use Azure Site Recovery to replicate the SQL servers to Azure.
B. Use SQLServer transactional replication.
C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

Answer: C

NEW QUESTION 4
You design a solution for the web tier of WebApp1 as shown in the exhibit.

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

Statements	Yes	No
The design supports the technical requirements for redundancy.	○	○
The design supports autoscaling.	○	○
The design requires a manual configuration if an Azure region fails.	○	○

Answer:

Explanation:

Statements	Yes	No
The design supports the technical requirements for redundancy.	○	○
The design supports autoscaling.	○	○
The design requires a manual configuration if an Azure region fails.	○	○

NEW QUESTION 5
To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Minimum number of Azure AD tenants: 0
1 2 3 4

Minimum number of custom domains to add: 0
1 2 3 4

Minimum number of conditional access policies to create: 0
1 2 3 4

Answer:

Explanation:

Minimum number of Azure AD tenants: 0
1 2 3 4

Minimum number of custom domains to add: 0
1 2 3 4

Minimum number of conditional access policies to create: 0
1 2 3 4

NEW QUESTION 6
You need to recommend a notification solution for the IT Support distribution group. What should you include in the recommendation?

A. Azure Network Watcher
B. an action group
C. a SendGrid account with advanced reporting

D. Azure AD Connect Health

Answer: D

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

NEW QUESTION 7
You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should
you recommend?

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

Answer: D

NEW QUESTION 8
What should you include in the identity management strategy to support the planned changes?

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

Answer: B

Explanation: Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure
and the on-premises network. (This requires domain controllers in Azure)
Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. (This requires domain controllers on-premises)
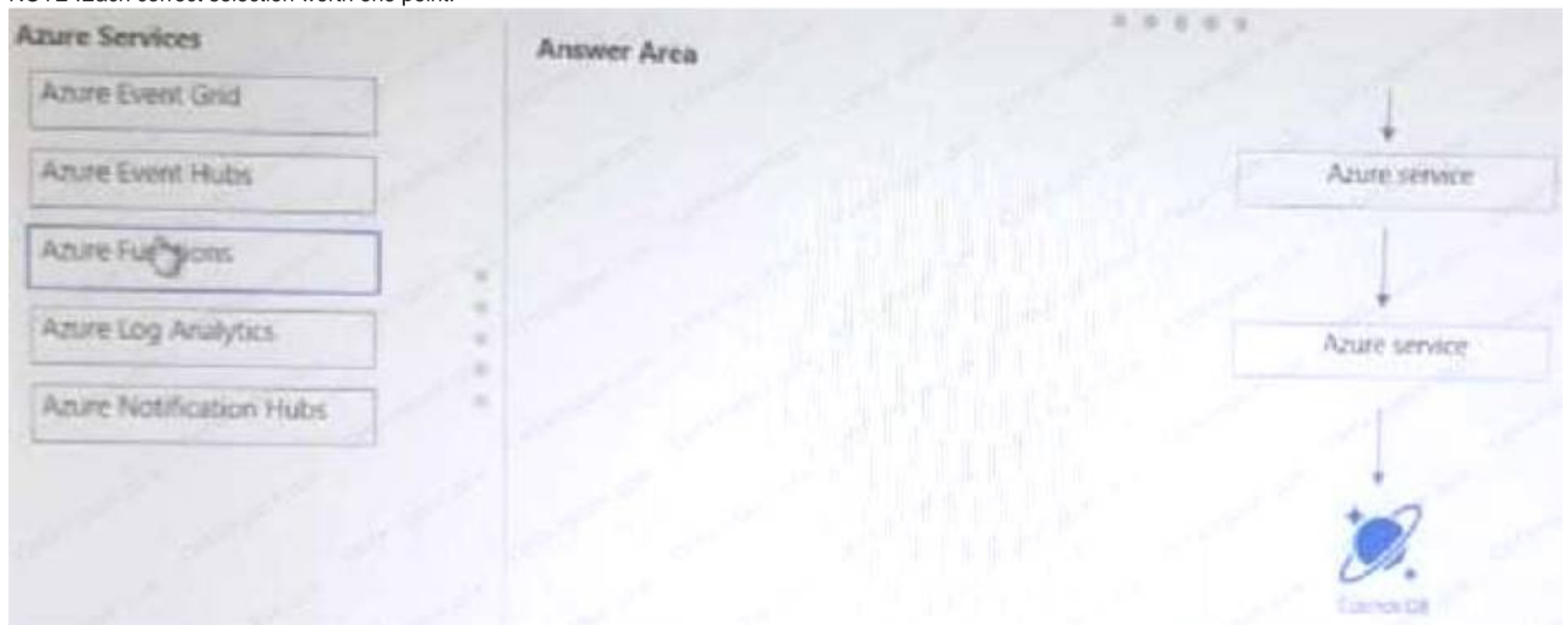
Topic 2, Mix Questions

NEW QUESTION 9
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.
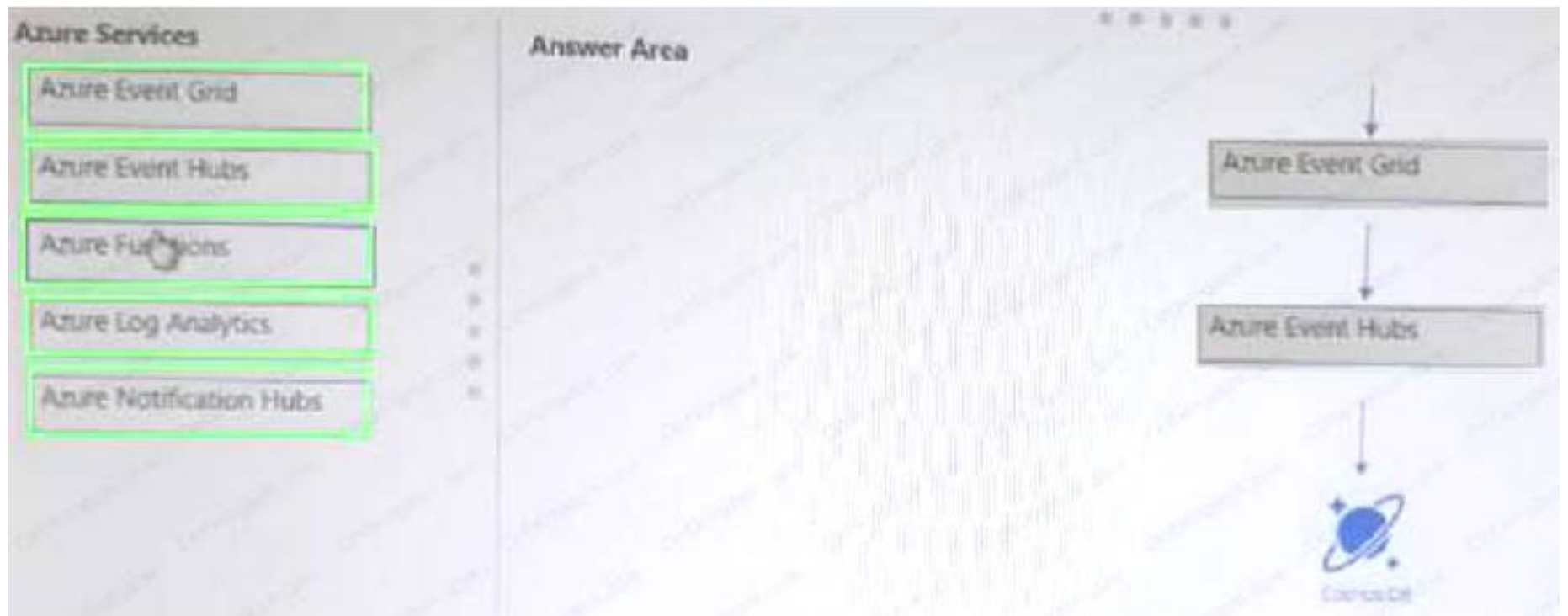Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once. more
than once, or not at all. You need to drag the split bar between panes or scroll to view content.
NOTE .Each correct selection worth one point.

Answer:

Explanation:

NEW QUESTION 10

You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT apartment at your company recently enabled forced tunneling,

Since the configuration change, developers have noticed degraded performance when they access the database

You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs

What should you include in the recommendation? .

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

Answer: D

NEW QUESTION 10

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

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performan

NEW QUESTION 15

You have an Azure subscription that contains an Azure Cosmos DB account.

You need to recommend a solution to generate an alert from Azure Log Analytics when a request charge for a query exceeds 50 request units more than 20 times within a 15-minute window.
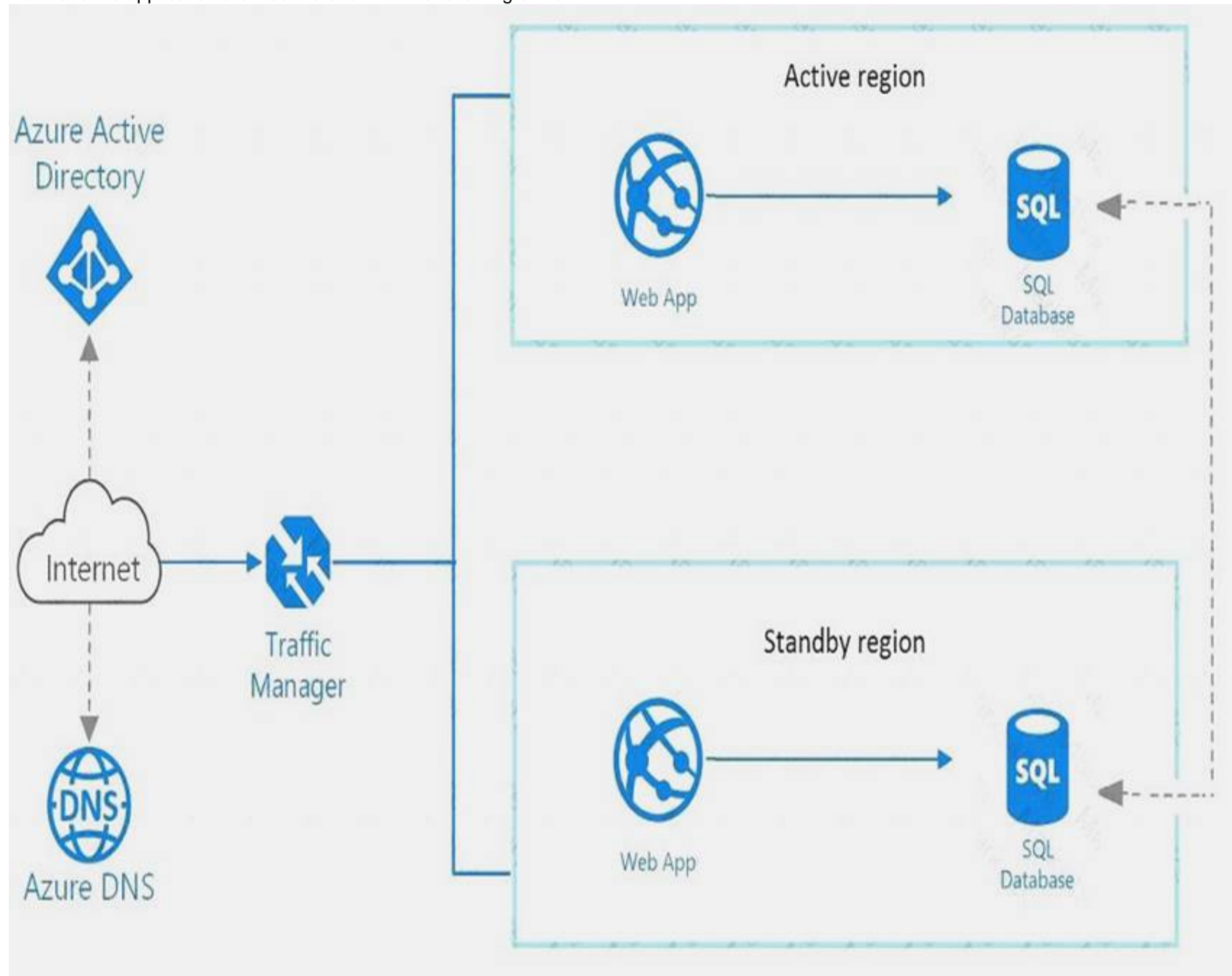
What should you recommend?

A. Create a search query to identify when requestCharge_s exceeds 50. Configure an alert threshold of 20 and a period of 15.
B. Create a search query to identify when duration_s exceeds 20 and requestCharge_s exceeds 50.Configure a period of 15.
C. Create a search query to identify when requestCharge_s exceeds 20. Configure a period of 15 and a frequency of 20.

D. Create a search query to identify when duration_s exceeds 20. Configure a period of 15.

Answer: A

NEW QUESTION 20
You have the application architecture shown in the following exhibit.

Use the drop-down menus to select choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

To change the front end to an ative/active architecture in which both regions process incoming connections, you must [**answer choice**].

add a load balancer to each region
add an Azure Application Gateway to each region
add an Azure content delivery network (CDN)
modify the Traffic Manager routing method

To control the threshold for failing over the front end to the standby region, you must configure the [**answer choice**].

an Application Insights availability test
Azure SQL Database failover groups
Connection Monitor in Azure Network Watcher
Endpoint monitor settings in Traffic Manager

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-monitoring
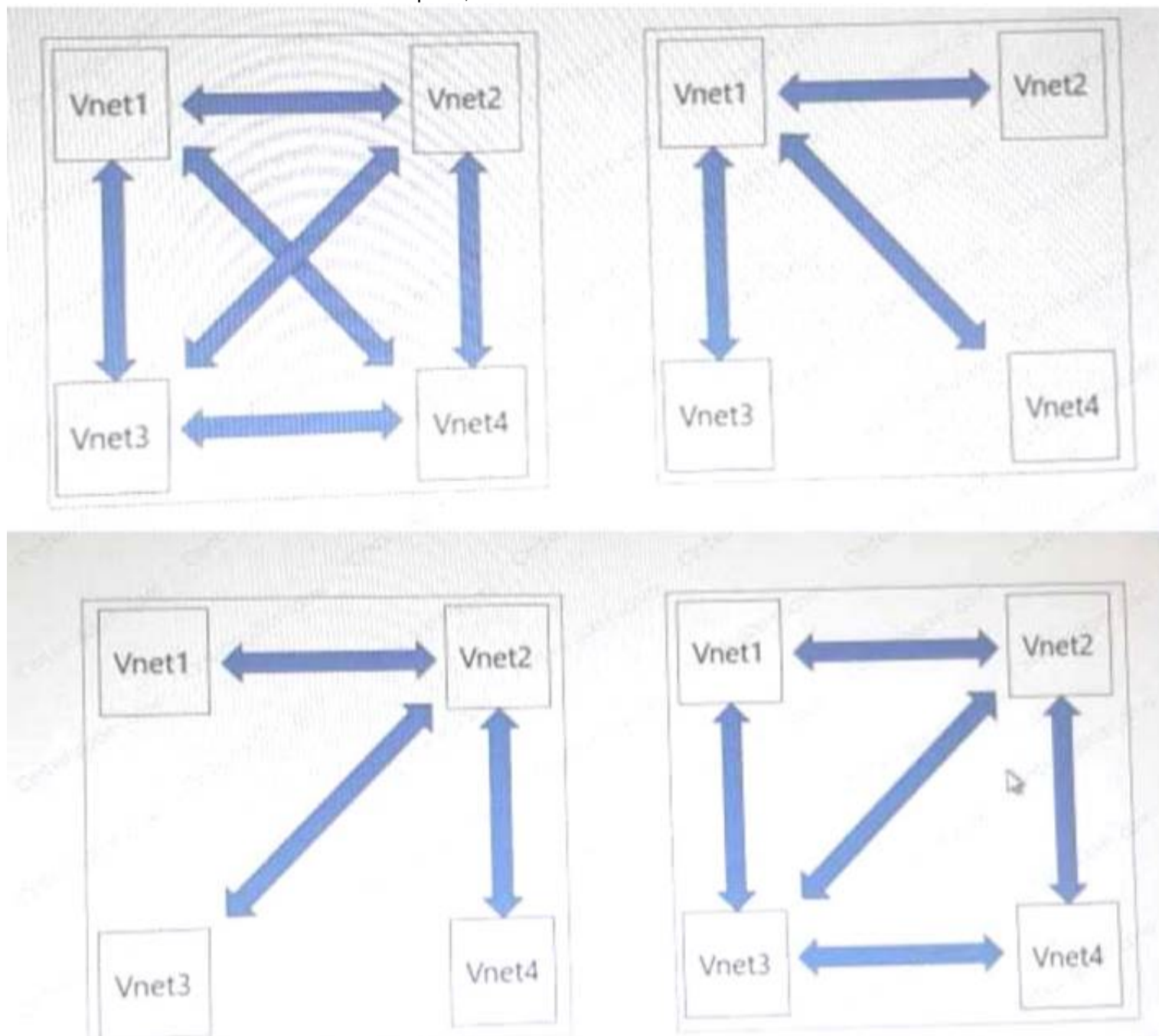
NEW QUESTION 22

You have an Azure environment that contains the Azure subscription and the virtual networks shown in the following table.

Virtual network name	Subscription name	Virtual network type
Vnet1	Subscription1	Classic mode
Vnet2	Subscription1	Resource Manager
Vnet3	Subscription1	Resource Manager
Vnet4	Subscription2	Resource Manager

You need to recommend a virtual network peering solution to ensure that the resources connected to any other virtual network. The solution must minimize administrative effort.
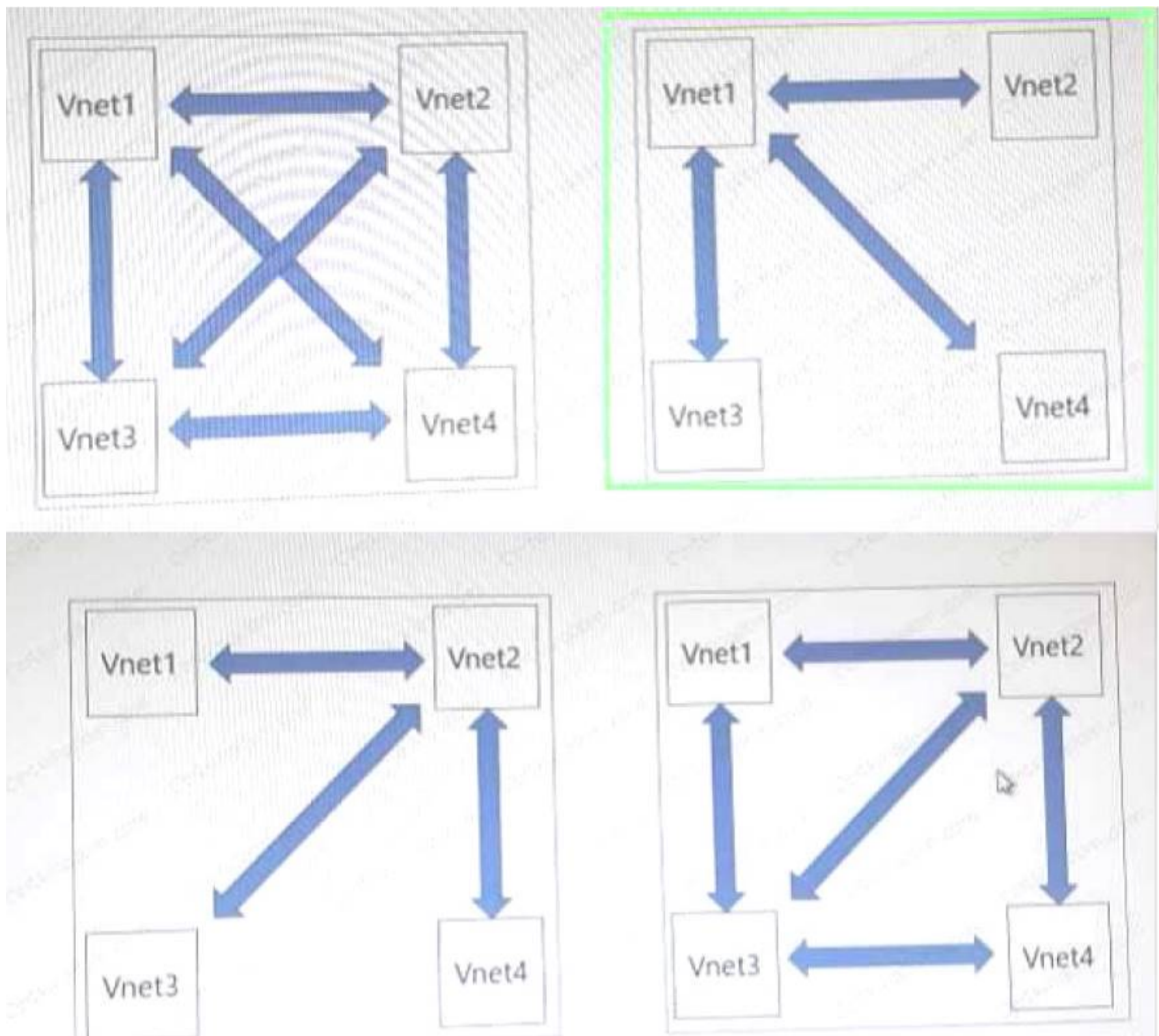
Which virtual network peering topology should you recommend? To answer, select the appropriate topology in the answer area.

NOTE: Each correct selection is worth one point,

Answer:

Explanation:

NEW QUESTION 24
You have an on premises Active Directory forest and an Azure Active Directory Azure AD) tenant. All Azure AD users are assigned a Premium P1 license.
You deploy Azure AD Conned
Which two features ate available m this environment that can reduce operational overhead tot your company's help desk? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point

A. sell- service password reset
B. access review
C. password writeback
D. Azure AD Privileged Identity Management policies
E. Microsoft Cloud App Security Conditional At access App Control

Answer: AD

NEW QUESTION 27
Your company has users who work remotely from laptops.
You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).
You need to recommend which certificates are required for the deployment.
What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate 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.

Certificates

| A root CA certificate that has the private key |
| A root CA certificate that has the public key |
| A user certificate that has the private key |
| A user certificate that has the public key |

Answer Area

Trusted Root Certification Authorities certificate store on each laptop:	Certificate
The users' Personal store on each laptop:	Certificate
The Azure VPN gateway:	Certificate

Answer:

Explanation:

Certificates

| A root CA certificate that has the private key |
| A root CA certificate that has the public key |
| A user certificate that has the private key |
| A user certificate that has the public key |

Answer Area

Trusted Root Certification Authorities certificate store on each laptop:	A root CA certificate that has the public key
The users' Personal store on each laptop:	A user certificate that has the private key
The Azure VPN gateway:	A root CA certificate that has the public key

NEW QUESTION 29
Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure subscription that contains a resource group named RG1.
You create an Azure Active Directory (Azure AD) group named ResearchUsers that contains the user accounts of all researchers.
You need to recommend a solution that meets the following requirements:
 The researchers must be allowed to create Azure virtual machines.
 The researchers must only be able to create Azure virtual machines by using specific Azure Resource
Manager templates.
Solution: Create a lab in Azure DevTest Lab. Configure the DevTest Labs settings. Assign the DevTest Labs User role to the ResearchUsers group.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 30
You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows.
You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:
 Minimize costs.
 Provide business continuity if an Azure region fails.
 Provide a recovery time objective (RTO) of 30 minutes.
 Provide a recovery point objective (RPO) of five minutes.
What should you include in the recommendation?

A. Microsoft System Center Data Protection Manage (DPM)
B. unmanaged disks that use geo-redundant storage (GRS)
C. Azure Site Recovery
D. Azure Backup

Answer: C

NEW QUESTION 34
You manage a single-domain, on-premises Active Directory for named contoso.com. The forest functional level is window Server 2016.
You have several on-premises applications that depend on Active Directory. You plan to migrate the applications to Azure.
You need to recommend an identity solution for the appkcatkms. The solution mufl meet the following requirements:
• Eliminate the need for hybrid network connectivity
• Minimize management overhead for Active Directory. What should you recommend?

A. In Azure, deploy additional domain controllers for the contoso.com domain
B. In Azure, deploy an additional child domain to the contoso.com forest.
C. Implement Azure Active Directory Domain Services (Azure AD DS).
D. Implement a new Acuve Directory forest in Azure.

Answer: A

NEW QUESTION 35
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 Migrate
C. Azure pricing calculator
D. Azure Advisor recommendations

Answer: A

NEW QUESTION 40
Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region.
Each on-premises site has Azure ExpressRoute circuits to both regions.
You need to recommend a solution that meets the following requirements:
 Outbound traffic to the Internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site.
 If an on-premises site fails, traffic from the workloads on the virtual networks to the Internet must reroute automatically to the other site.
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Routing from the virtual networks to the on-premises locations must be configured by using:

- Azure default routes
- Border Gateway Protocol (BGP)
- User-defined routes

The automatic routing configuration following a failover must be handled by using:

- Border Gateway Protocol (BGP)
- Hot Standby Routing Protocol (HSRP)
- Virtual Router Redundancy Protocol (VRRP)

Answer:

Explanation:

Routing from the virtual networks to the on-premises locations must be configured by using:

- Azure default routes
- Border Gateway Protocol (BGP)
- User-defined routes

The automatic routing configuration following a failover must be handled by using:

- Border Gateway Protocol (BGP)
- Hot Standby Routing Protocol (HSRP)
- Virtual Router Redundancy Protocol (VRRP)

NEW QUESTION 45

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

To provision the Azure AD identity: ▼

Create a system-assigned Managed Service Identity
Create a user-assigned Managed Service Identity
Register each application in Azure AD

To authenticate request a token by using: ▼

An Azure AD v1.0 endpoint
An Azure AD v2.0 endpoint
An Azure Instance Metadata Service Identity
OAuth2 endpoint

Answer:

Explanation:

To provision the Azure AD identity: ▼

Create a system-assigned Managed Service Identity
Create a user-assigned Managed Service Identity
Register each application in Azure AD

To authenticate request a token by using: ▼

An Azure AD v1.0 endpoint
An Azure AD v2.0 endpoint
An Azure Instance Metadata Service Identity
OAuth2 endpoint

NEW QUESTION 50
You are designing a solution for a stateless front-end application named Application1. Application1 will be hosted on two Azure virtual machines named VM1 and VM2.
You plan to load balance connections to VM1 and VM2 from the Internet by using one Azure load balancer. You need to recommend the minimum number of required public IP addresses.
How many public IP addresses should you recommend using for each resource? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Load balancer: ▼
0
1
2
3

VM1: ▼
0
1
2
3

VM2: ▼
0
1
2
3

Answer:

Explanation:

Load balancer: ▼
0
1
2
3

VM1: ▼
0
1
2
3

VM2: ▼
0
1
2
3

NEW QUESTION 54
You are planning to deploy an application by using the Azure Kubermets Services (AKS)> the application will reedy on having access to an encryption key that will be used to ... transmit files
What should you use to provides the encryption key AKS security?

A. secrets
B. Azure Storage Service Encryption
C. a Kubernetes deployment YAML file
D. ConfigureMap

Answer: C

NEW QUESTION 56
You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:
• Provide access to the full .NET framework.
• Provide redundancy if an Azure region fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan. Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 60
You are designing a data protection strategy for Azure virtual machines. All the virtual machines are in the Standard tier and use managed disks.
You need to recommend a solution that meets the following requirements:
 The use of encryption keys is audited.
 All the data is encrypted at rest always.
 You manage the encryption keys, not Microsoft.
What should you include in the recommendation?

A. BitLocker Drive Encryption (BitLocker)
B. Azure Storage Service Encryption
C. client-side encryption
D. Azure Disk Encryption

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-overview

NEW QUESTION 62
You plan to import data from your on-premises environment into Azure. The data is shown in the following table.

On-premises source	Azure target
A Microsoft SQL Server 2012 database	An Azure SQL database
A table in a Microsoft SQL Server 2008 database	An Azure Cosmos account that uses the SQL API

What should you recommend using to migrate the data? To answer, drag the appropriate tools to the correct data sources. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/dms/tutorial-sql-server-to-azure-sql https://docs.microsoft.com/en-us/azure/cosmos-db/import-data
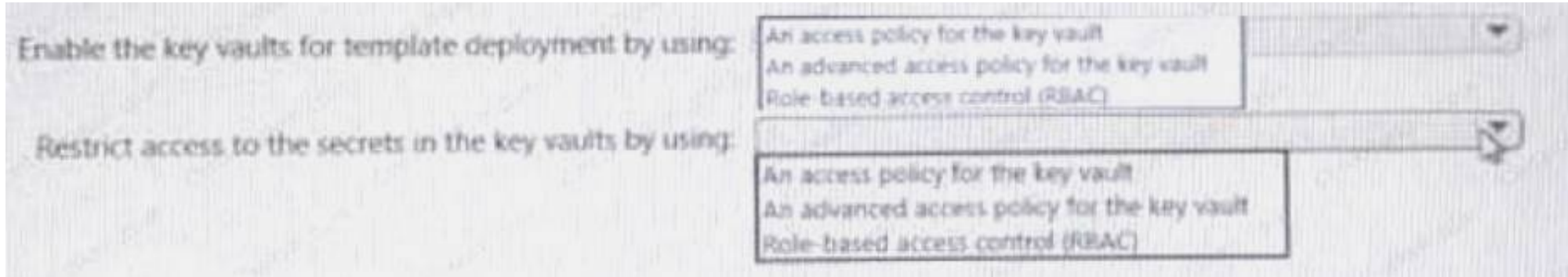
NEW QUESTION 64
You deploy Azure service by using Azure Resources Manager templates. The template reference secrets are stored in Azure key Vault.
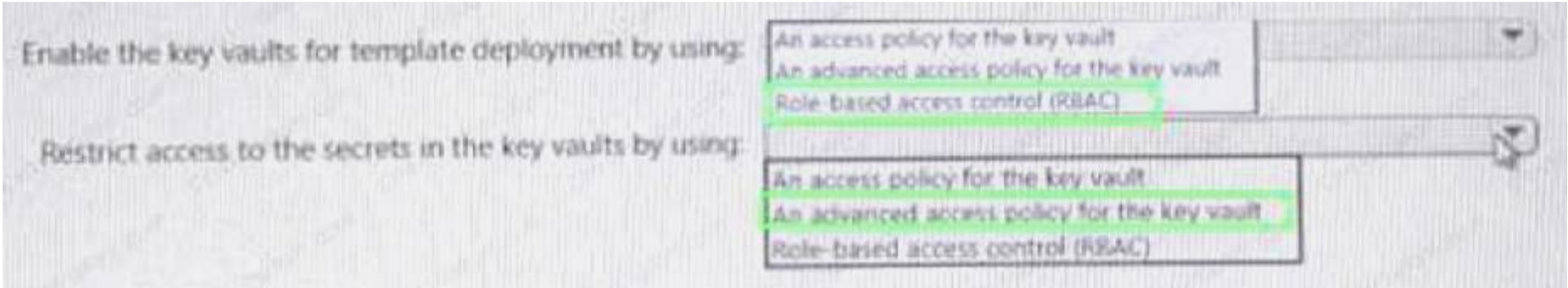You need to recommend a solution for accessing the secrets during deployments. The solution must prevent the users who are performing the deployments from accessing the secrets in the key vault directly.
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Enable the key vaults for template deployment by using:

An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

Restrict access to the secrets in the key vaults by using:

An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

Answer:

Explanation:

Enable the key vaults for template deployment by using:

An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

Restrict access to the secrets in the key vaults by using:

An access policy for the key vault
An advanced access policy for the key vault
Role-based access control (RBAC)

NEW QUESTION 68

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.

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

192.168.1.0/28

Answer Area

Subnet1:   Network address

Gateway subnet: Network address

Answer:

Explanation:

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

192.168.1.0/28

Answer Area

Subnet1:   192.168.0.0/24

Gateway subnet: 192.168.1.0/28

NEW QUESTION 69

You plan to create an Azure Cosmos DB account that uses the SQL API. The account will contain data added by a web application. The web application will send data daily.

You need to recommend a notification solution that meets the following requirements:
Sends email notification when data is received from IoT devices.
Minimizes compute cost.
What should you include in the recommendation?

A. Deploy an Azure logic app that has the Azure Cosmos DB connector configured to use a SendGrid action.
B. Deploy a function app that is configured to use the Consumption plan and a SendGrid binding.
C. Deploy an Azure logic app that has a SendGrid connector configured to use an Azure Cosmos DB action.
D. Deploy a function app that is configured to use the Consumption plan and an Azure Event Hubs binding.

Answer: B

NEW QUESTION 71
You have .NeT web service named service1 that has the following requirements.
Must read and write to the local file system.
Must write to the Windows Application event log.
You need to recommend a solution to host Service1 in Azure .
The solution must meet the following requirements:
Minimize maintenance overhead.
Minimize costs.
What should you include in the recommendation?

A. an Azure web app
B. Azure function
C. an App service Environment
D. an Azure virtual machine scale set

Answer: B

NEW QUESTION 72
You plan to deploy the backup policy 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.

To access the files, you must [answer choice].

| generate a snapshot |
| modify the access tier |
| modify the blob type |

The files will be stored [answer choice].

| at the highest storage cost |
| at the lowest data retrieval cost |
| at the lowest storage cost |

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers#archive-access-tier-preview

NEW QUESTION 76
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 to two Azure regions, and you deploy an Azure Application Gateway.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 80
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 it an Azure legion fails.
• Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan.
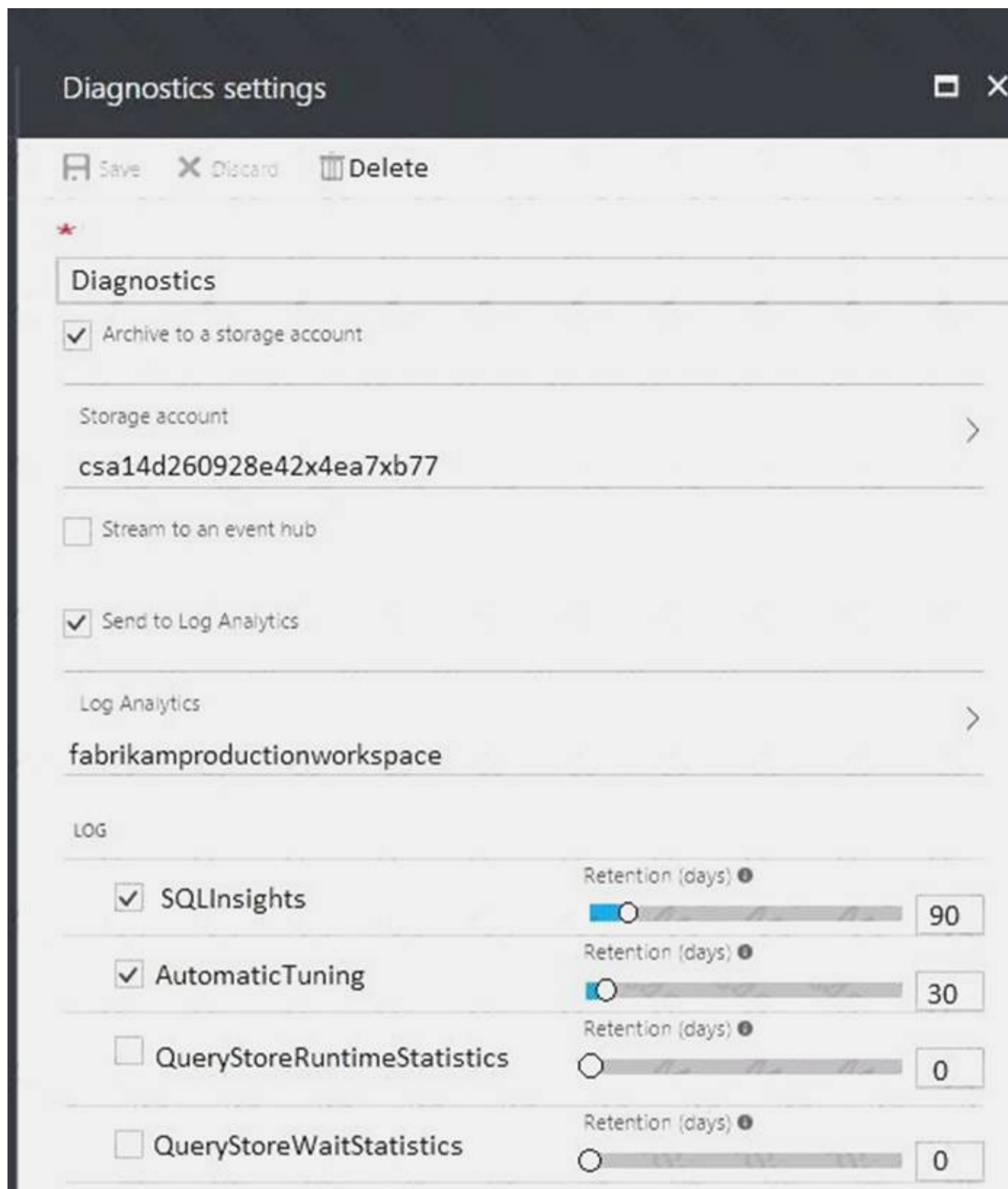Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 83
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 87
Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have an Azure subscription named Project1. Only a group named Project1admins is assigned roles in the Project1 subscription. The Project1 subscription contains all the resources for an application named Application1.
Your company is developing a new application named Application2. The members of the Application2 development team belong to an Azure Active Directory (Azure AD) group named App2Dev.
You identify the following requirements for Application2:
 The members of App2Dev must be prevented from changing the role assignments in Azure.
 The members of App2Dev must be able to create new Azure resources required by Application2.
 All the required role assignments for Application2 will be performed by the members of
Project1admins.
You need to recommend a solution for the role assignments of Application2.
Solution: Create a new Azure subscription named Project2. Assign Project1admins the User Access Administrator role for the Project2 subscription. Assign App2Dev the Owner role for the Project2 subscription.
Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 90
You have an on-premises Hyper-V cluster. The cluster contains Hyper-V hosts that run Windows Server 2016 Datacenter. The hosts are licensed under a Microsoft Enterprise Agreement that has Software Assurance.
The Hyper-V cluster hosts 3 virtual machines that run Windows Server 2012 R2. Each virtual machine runs a different workload. The workloads have predictable consumption patterns.
You plan to replace the virtual machines with Azure virtual machines that run Windows Server 2016. The virtual machines will be sized according to the consumption pattern of each workload.
You need to recommend a solution to minimize the compute costs of the Azure virtual machines.
Which two recommendations should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Purchase Azure Reserved Virtual Machine Instances for the Azure virtual machines
B. Create a virtual machine scale set that uses autoscaling
C. Configure a spending limit in the Azure account center
D. Create a lab in Azure DevTest Labs and place the Azure virtual machines in the lab
E. Activate Azure Hybrid Benefit for the Azure virtual machines

Answer: AE

NEW QUESTION 92
You configure OAuth 2 authorization in API Management as shown in the exhibit.

Use the drop-domain to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION 97

You plan to move a web application named App1 from an on-premises data center to Azure. App1 depends on a custom framework 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.
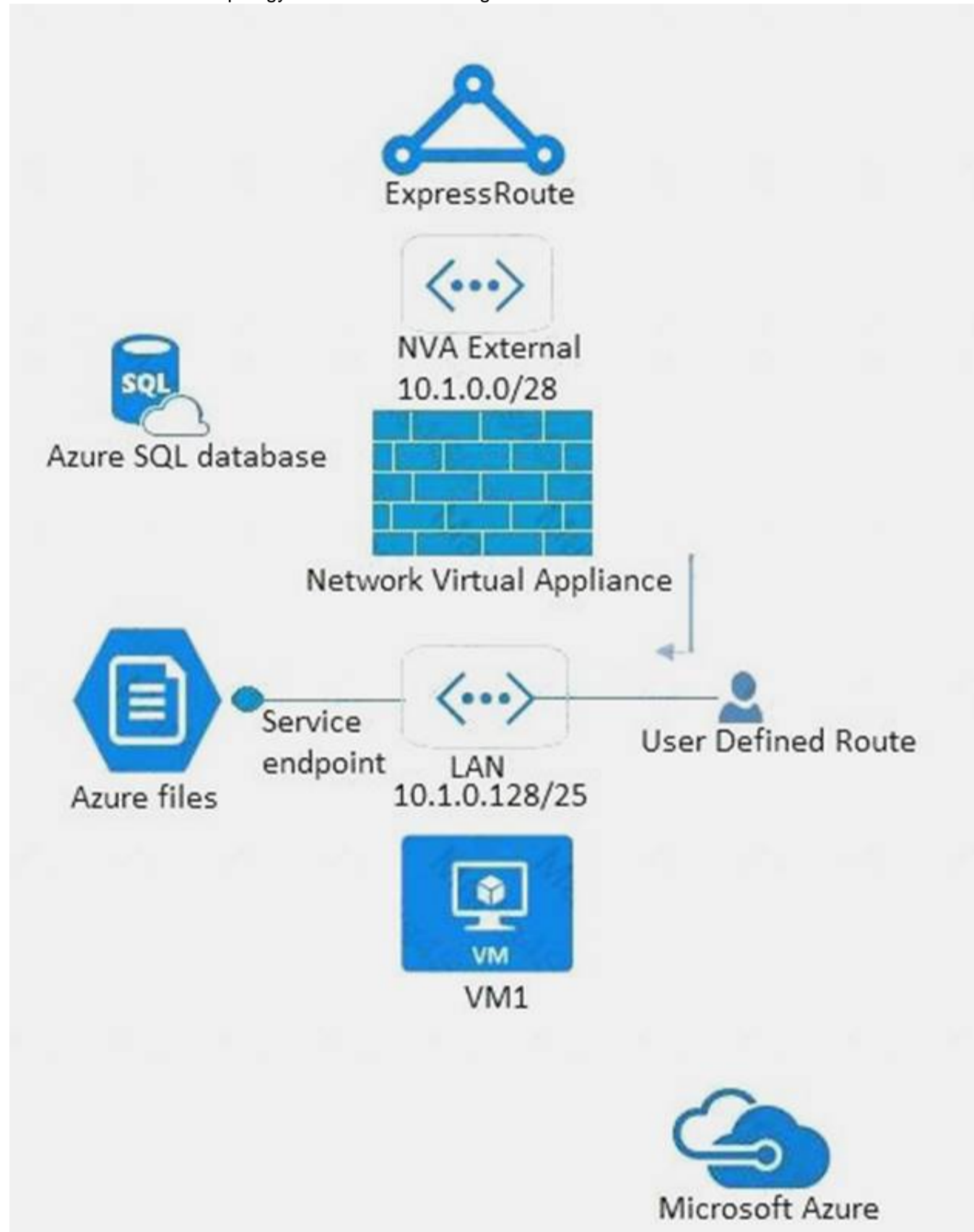 Costs must be minimized.
What should you include in the recommendation?

A. In two Azure regions, deploy a Traffic Manager profile and a web app.
B. In two Azure regions, deploy a load balancer and a virtual machine scale set.
C. Deploy a load balancer and a virtual machine scale set across two availability zones.
D. In two Azure regions, deploy a load balancer and a web app.

Answer: A

NEW QUESTION 98
You have the network topology shown in the following exhibit.

You have a user-defined route that has a default route of 0.0.0.0/0 and the next hop set to the network virtual appliance.
You configure the Azure Storage account to use virtual network service endpoints.
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
From VM1, traffic destined to the Azure Key Management Service will be routed to the network virtual appliance.	○	○
From VM1, traffic destined to the Azure file share will be routed to the Internet.	○	○
From VM1, traffic destined to the Azure SQL database will be routed to the Internet.	○	○

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

NEW QUESTION 101
You plan to deploy an API by using Azure API Management.
You need to recommend a solution to protect the API from a distribute derail of service (DDoS) attack. What should you recommend/

A. Create network security groups (NSG)
B. Enable rate limiting
C. Strip the Power-By response header
D. Enable quotas.

Answer: A

NEW QUESTION 104
You have an Azure subscription that contains a custom application named Application was developed by an external company named fabric, Ltd. Developers at Fabrikam were assigned role-based access control (RBAV) permissions to the Application components. All users are licensed for the Microsoft 365 E5 plan.
You need to recommends a solution to verify whether the Faricak developers still require permissions to Application1. The solution must the following requirements.
* To the manager of the developers, send a monthly email message that lists the access permissions to Application1.
* If the manager does not verify access permission, automatically revoke that permission.
* Minimize development effort. What should you recommend?

A. Create an Azure Automation runbook that the Get-AureADUSAppRoleAssigmety cmdlet.
B. In azure Active directory (Azure AD) create an access review of application1.
C. In Azure Active Directory (AD) privileged identity Managed, create a custom roles assignment for the Application 1 resources.
D. Create an Azure Automation runbook that runs the get-AzureRaRolesAssigned cmdlet.

Answer: A

NEW QUESTION 107
You need to recommend a data storage solution that meets the following requirements:
 Ensures that application can access the data by using a REST connection
 Hosts 20 independent tables of varying sizes and usage patterns
 Automatically replicates the data to a second Azure region
 Minimizes costs
What should you recommend?

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

Answer: C

NEW QUESTION 112
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), Active Directory Federation Services (AD FS), Azure AD Connect, and Microsoft Identity Manager (MIM).
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, enable Azure Active Directory Domain Services (Azure AD DS).Createa one-way forest trust that uses selective authentication between the Active Directory forests of Contoso and Fabrikam.
D. In the Azure AD tenant of Contoso, create guest accounts for the Fabrikam developers.

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-external-users

NEW QUESTION 115
Your company has three branch offices and an Azure subscription. Each branch office contains a Hyper-V host that hosts application servers.
You need to recommend a storage solution for the branch offices. The solution must ensure that the application servers can connect to a central storage device by using iSCSI connections. Data saved to the iSCSI storage device from the application servers must be uploaded to Azure automatically.
Which components should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Branch office Hyper-V hosts: ▼

Azure File Sync agent
Azure Site Recovery agent
Azure StorSimple Virtual Array
Distributed File System Replication

Azure subscription: ▼

Azure file share
Azure File Sync
Azure Site Recovery vault
Azure Storage account

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/storsimple/storsimple-ova-overview

NEW QUESTION 117
You are designing a container solution in azure that will include two containers. One container will host a web API that will be available to the public. The other container will perform health monitoring of the web API and will remain private. The two containers will be deployed together as a group.
You need to recommend a compute service for the containers. The solution must minimize costs and maintenance over head.
What should you include in the recommendation?

A. Azure container instances
B. Azure container Service
C. Azure kubernetes service (aks)
D. Azure service fabric

Answer: A

Explanation: References:
https://docs.microsoft.com/en-us/azure/container-instances/container-instances-container-groups

NEW QUESTION 121
You have 100 Standard F2vs-v2 Azure virtual machines. Each virtual machine has two network adapter. You need to increase the network performance of the workloads running an the virtual machine The solution must meet the following requirements.
*The CPU-to-memory ratio must remain the same.
*The solution must minimize costs. What should you do?

A. Enable SRIOV
B. Enable ROMA over InfiniBand
C. Install an additional network adapter.
D. Configure NIC teaming.

Answer: A

NEW QUESTION 124
Your company has 20 web APIs that were developed in-house.

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

You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:
 Use Azure AD-generated claims.
 Minimize configuration and management effort.

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

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

▼
Azure AD
Azure API Management
The web APIs

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

▼
Azure AD
Azure API Management
The web APIs

Answer:

Explanation:

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

▼
Azure AD
Azure API Management
The web APIs

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

▼
Azure AD
Azure API Management
The web APIs

NEW QUESTION 126
The accounting department at your company migrates to new financial accounting software. The accounting department must keep file-based database backups for years for compliances purposes. It is unlikely that the backup will be used to recover data.

You need to more the backups to Azure. The solution must minimize costs. Where should store the backups?

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

Answer: C

NEW QUESTION 127
You are planning the implementation of an order processing web service that will contain microservices hosted in an Azure Service Fabric cluster.

You need to recommend a solution to provide developers with the ability to proactively identify and fix performance issues. The developers must be able to simulate user connections to the order processing web service from the Internet, as well as simulate user transactions. The developers must be notified if the goals for the transaction response times are not met.

What should you include in the recommendation?

A. container health
B. Azure Network Watcher
C. Application Insights
D. Service Fabric Analytics

Answer: C

NEW QUESTION 128

You have an on-premises deployment of MongoDB.
You plan to migrate MongoDB to an Azure Cosmos DB account that uses the MongoDB API. You need to recommend a solution for migrating MongoDB to Azure Cosmos DB.
What should you include in the recommendation?

A. mongorestore
B. Data Migration Assistant
C. Azure Storage Explorer
D. Azure Cosmos DB Data Migration Tool

Answer: A

Explanation: References:
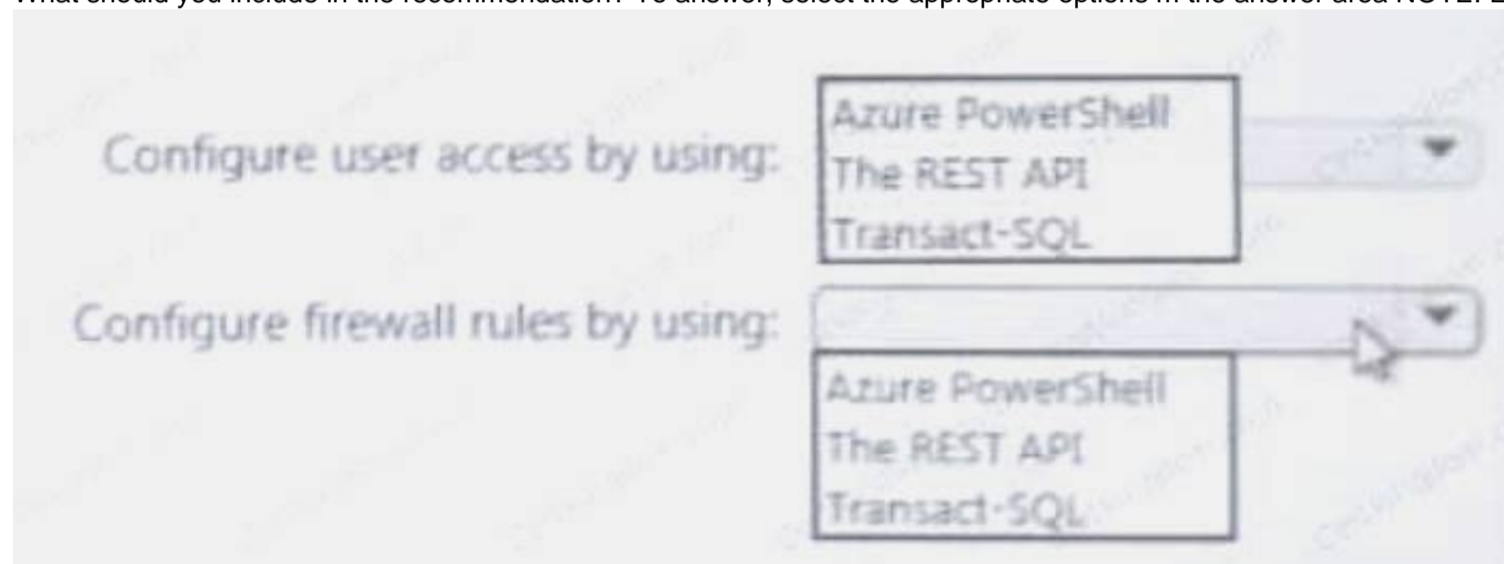https://docs.microsoft.com/en-us/azure/cosmos-db/mongodb-migrate

NEW QUESTION 132
You plan to deploy logical Azure SQL Database servers to The East US Azure region and the Wen US Azure region. Each server will contain 20 database accessed by a different user who reads in a different on premises location. The databases will be configured to use active geo-replication.
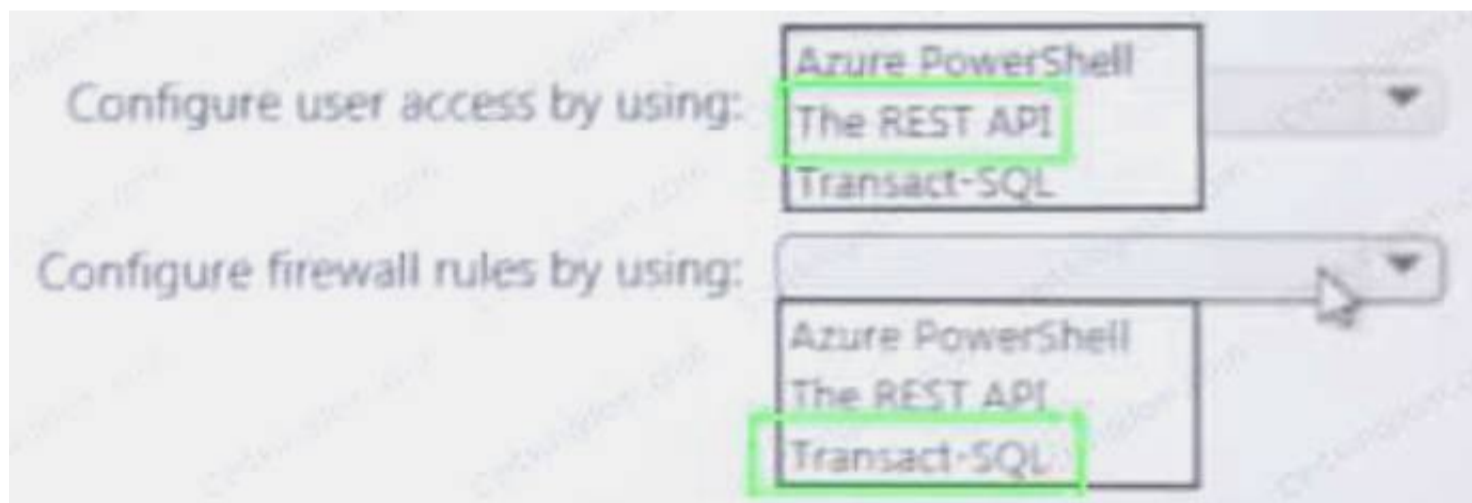You need to recommend a solution that meets the following requirement!;
• Restricts user access to each database
• Restricts network access to each database based on each user's respective location
• Ensures that the databases remain accessible from down applications if the local Azure region fails
What should you include in the recommendation? To answer, select the appropriate options m the answer area NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Topic 3, Case Study B
Overview
Contoso,Ltd is a US-base finance service company that has a main office New York and an office in San Francisco.
Payment Processing Query System
Contoso hosts a business critical payment processing system in its New York data center. The system has three tiers a front-end web app a middle -tier API and a back end data store implemented as a Microsoft SQL Server 2014 database All servers run Windows Server 2012 R2.
The front -end and middle net components are hosted by using Microsoft Internet Inform-non Services (IK) The application rode is written in C# and middle- tier API uses the Entity framework to communicate the SQL Server database. Maintenance of the database e performed by using SQL Server Ago-
The database is currently J IB and is not expected to grow beyond 3 TB.
The payment processing system has the following compliance related requirement
• Encrypt data in transit and at test. Only the front-end and middle-tier components must be able to access the encryption keys that protect the date store.
• Keep backups of the two separate physical locations that are at last 200 miles apart and can be restored for op to seven years.
• Support blocking inbound and outbound traffic based on the source IP address, the description IP address, and the port number
• Collect Windows security logs from all the middle-tier servers and retain the log for a period of seven years,
• Inspect inbound and outbound traffic from the from-end tier by using highly available network appliances.
• Only allow all access to all the tiers from the internal network of Contoso.
Tape backups ate configured by using an on-premises deployment or Microsoft System Center Data protection Manager (DPMX and then shaped ofsite for long term storage
Historical Transaction Query System
Contoso recently migrate a business-Critical workload to Azure. The workload contains a NET web server for querying the historical transaction data residing in

azure Table Storage. The NET service is accessible from a client app that was developed in-house and on the client computer in the New Your office. The data in the storage is 50 GB and is not except to increase.
Information Security Requirement
The IT security team wants to ensure that identity management n performed by using Active Directory. Password hashes must be stored on premises only.
Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger multi-factor authentication prompt automatically Legitimate users must be able to authenticate successfully by using multi-factor authentication.
Planned Changes
Contoso plans to implement the following changes:
* Migrate the payment processing system to Azure.
* Migrate the historical transaction data to Azure Cosmos DB to address the performance issues.
Migration Requirements
Contoso identifies the following general migration requirements:
Infrastructure services must remain available if a region or a data center fails. Failover must occur without any administrative intervention
• Whenever possible. Azure managed serves must be used to management overhead
• Whenever possible, costs must be minimized.
Contoso identifies the following requirements for the payment processing system:
• If a data center fails, ensure that the payment processing system remains available without any administrative intervention. The middle-tier and the web front end must continue to operate without any additional configurations-
• If that the number of compute nodes of the from -end and the middle tiers of the payment processing system can increase or decrease automatically based on CPU utilization.
• Ensure that each tier of the payment processing system is subject to a Service level Agreement (SLA) of 9959 percent availability
• Minimize the effort required to modify the middle tier API and the back-end tier of the payment processing system.
• Generate alerts when unauthorized login attempts occur on the middle-tier virtual machines.
• Insure that the payment processing system preserves its current compliance status.
• Host the middle tier of the payment processing system on a virtual machine.
Contoso identifies the following requirements for the historical transaction query system:
• Minimize the use of on-premises infrastructure service.
• Minimize the effort required to modify the .NET web service querying Azure Cosmos DB.
• If a region fails, ensure that the historical transaction query system remains available without any administrative intervention.
Current Issue
The Contoso IT team discovers poor performance of the historical transaction query as the queries frequently cause table scans.
Information Security Requirements
The IT security team wants to ensure that identity management is performed by using Active Directory. Password hashes must be stored on-premises only.
Access to all business-critical systems must rely on Active Directory credentials. Any suspicious authentication attempts must trigger a multi-factor authentication prompt automatically. legitimate users must be able to authenticate successfully by using multi-factor authentication.

NEW QUESTION 137
You need to recommend a solution for implementing the back-end tier of the payment processing system in Azure.
What should you include in the recommendation?

A. an Azure SQL Database managed instance
B. a SQL Server database on an Azure virtual machine
C. an Azure SQL Database single database
D. an Azure SQL Database elastic pool

Answer: C

NEW QUESTION 138
You need to recommend a solution for the collection of security logs the middle tier of the payment processing system.
What should you include in the recommendation?

A. Azure Notification Hubs
B. the Azure Diagnostics agent
C. Azure Event Hubs
D. the Azure Log Analytics agent

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/diagnostics-extension-overview

NEW QUESTION 140
You need to recommend a disaster recovery solution for the back-end tier of the payment processing system. What should you include in the recommendation?

A. Always On Failover Cluster Instances
B. active geo-replication
C. Azure Site Recovery
D. an auto-failover group

Answer: D

Explanation: References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auto-failover-group

NEW QUESTION 143
You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings. 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.

Azure AD license:

| Free |
| Basic |
| Premium P1 |
| Premium P2 |

Access control for the sign-in risk policy:

| Allow access and require multi-factor authentication |
| Block access and require multi-factor authentication |
| Allow access and require Azure MFA registration |
| Block access |

Access control for the multi-factor authentication registration policy:

| Allow access and require multi-factor authentication |
| Block access and require multi-factor authentication |
| Allow access and require Azure MFA registration |
| Block access |

Answer:

Explanation: References:
https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy

NEW QUESTION 145
......

Thank You for Trying Our Product

* 100% Pass or Money Back

> All our products come with a 90-day Money Back Guarantee.

* One year free update

> You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

> We currently serve more than 30,000,000 customers.

* Shop Securely

> All transactions are protected by VeriSign!

100% Pass Your AZ-301 Exam with Our Prep Materials Via below:

https://www.certleader.com/AZ-301-dumps.html