Microsoft

Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

NEW QUESTION 1
- (Exam Topic 5)
You have an Azure Data Lake Storage account that contains 1,000 10-MB CSV files and an Azure Synapse Analytics dedicated SQL pool named sql1. You need to load the files to sql1. The solution must meet the following requirements:

- Maximize data load performance.
- Eliminate the need to define external tables before the data loads. What should you use?

A. the copy statement
B. PolyBase
C. BCP
D. the sqlBulkcopy object

Answer: B

NEW QUESTION 2
- (Exam Topic 5)
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?

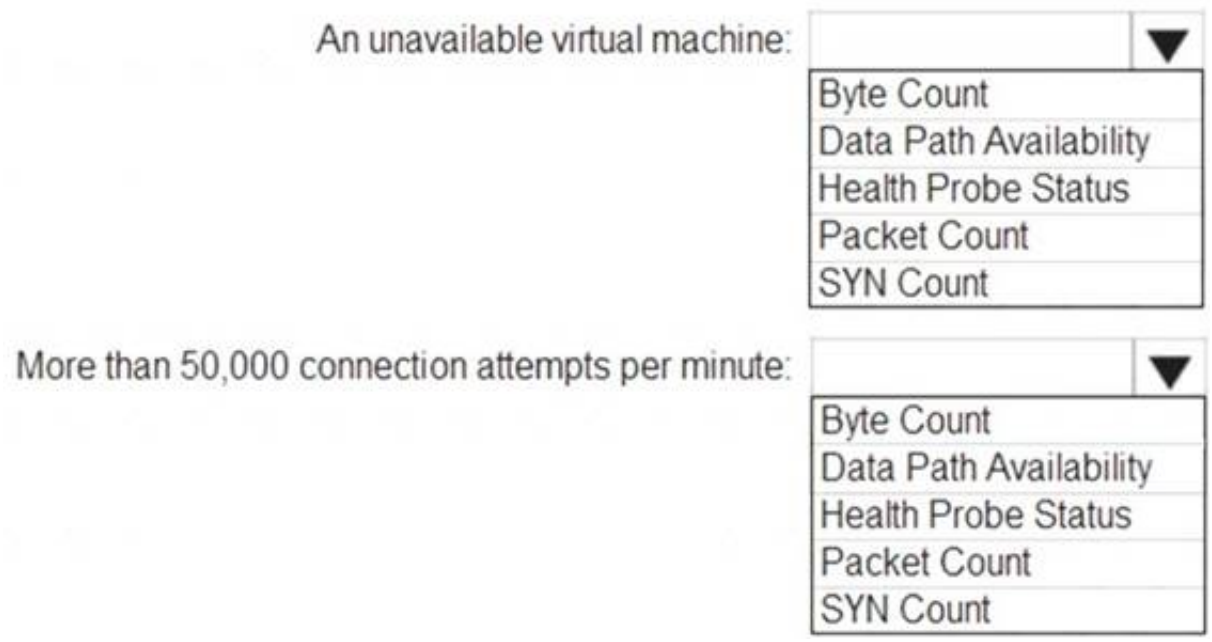
A. the self-hosted integration runtime
B. the Azure Pipelines agent
C. the On-premises data gateway
D. the Azure File Sync agent

Answer: A

NEW QUESTION 3
- (Exam Topic 5)
You have an Azure Load Balancer named LB1 that balances requests to five Azure virtual machines. You need to develop a monitoring solution for LB1. The solution must generate an alert when any of the
following conditions are met:

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

Which signal should you include in the solution for each condition? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: Data path availability
Standard Load Balancer continuously exercises the data path from within a region to the load balancer front end, all the way to the SDN stack that supports your VM. As long as healthy instances remain, the measurement follows the same path as your application's load-balanced traffic. The data path that your customers use is also validated. The measurement is invisible to your application and does not interfere with other operations.
Note: Load balancer distributes inbound flows that arrive at the load balancer's front end to backend pool instances. These flows are according to configured load-balancing rules and health probes. The backend pool instances can be Azure Virtual Machines or instances in a virtual machine scale set.
Box 2: SYN count
SYN (synchronize) count: Standard Load Balancer does not terminate Transmission Control Protocol (TCP) connections or interact with TCP or UDP packet flows. Flows and their handshakes are always between the source and the VM instance. To better troubleshoot your TCP protocol scenarios, you can make use of SYN packets counters to understand how many TCP connection attempts are made. The metric reports the number of TCP SYN packets that were received.
Reference:
https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-diagnostics

NEW QUESTION 4
- (Exam Topic 5)
Your company has an app named App1 that uses data from the on-premises Microsoft SQL Server databases shown in the following table.

Name	Size
DB1	450 GB
DB2	250 GB
DB3	300 GB
DB4	50 GB

App1 and the data are used on the first day of the month only. The data is not expected to grow more than 3% each year.
The company is rewriting App1 as an Azure web app and plans to migrate all the data to Azure. You need to migrate the data to Azure SQL Database. The solution must minimize costs. Which service tier should you use?

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

Answer: C

Explanation:
DTU-based Standard supports databases up to 1 TB in size. Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tiers-dtu

NEW QUESTION 5
- (Exam Topic 5)
A company named Contoso, Ltd. has an Azure Active Directory (Azure AD) tenant that is integrated with Microsoft Office 365 and an Azure subscription.
Contoso has an on-premises identity infrastructure. The infrastructure includes servers that run Active Directory Domain Services (AD DS), and Azure AD Connect
Contoso has a partnership with a company named Fabrikam, Inc. Fabrikam has an Active Directory forest and an Office 365 tenant. Fabrikam has the same on-premises identity infrastructure as Contoso.
A team of 10 developers from Fabrikam will work on an Azure solution that will be hosted in the Azure subscription of Contoso. The developers must be added to the Contributor role for a resource in the Contoso subscription.
You need to recommend a solution to ensure that Contoso can assign the role to the 10 Fabrikam developers. The solution must ensure that the Fabrikam developers use their existing credentials to access resources.
What should you recommend?

A. Configure a forest trust between the on-premises Active Directory forests of Contoso and Fabrikam.
B. Configure an organization relationship between the Office 365 tenants of Fabrikam and Contoso.
C. In the Azure AD tenant of Contoso, use MIM to create guest accounts for the Fabrikam developers.
D. Configure an AD FS relying party trust between the fabrikam and Contoso AD FS infrastructures.

Answer: A

Explanation:
Trust configurations - Configure trust from managed forests(s) or domain(s) to the administrative forest
- A one-way trust is required from production environment to the admin forest.
- Selective authentication should be used to restrict accounts in the admin forest to only logging on to the appropriate production hosts.

References:
https://docs.microsoft.com/en-us/windows-server/identity/securing-privileged-access/securing-privileged-access

NEW QUESTION 6
- (Exam Topic 5)
You have an Azure subscription that contains an Azure Blob storage account named store1.
You have an on-premises file server named Setver1 that runs Windows Sewer 2016. Server1 stores 500 GB of company files.
You need to store a copy of the company files from Server 1 in store1.
Which two possible Azure services achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

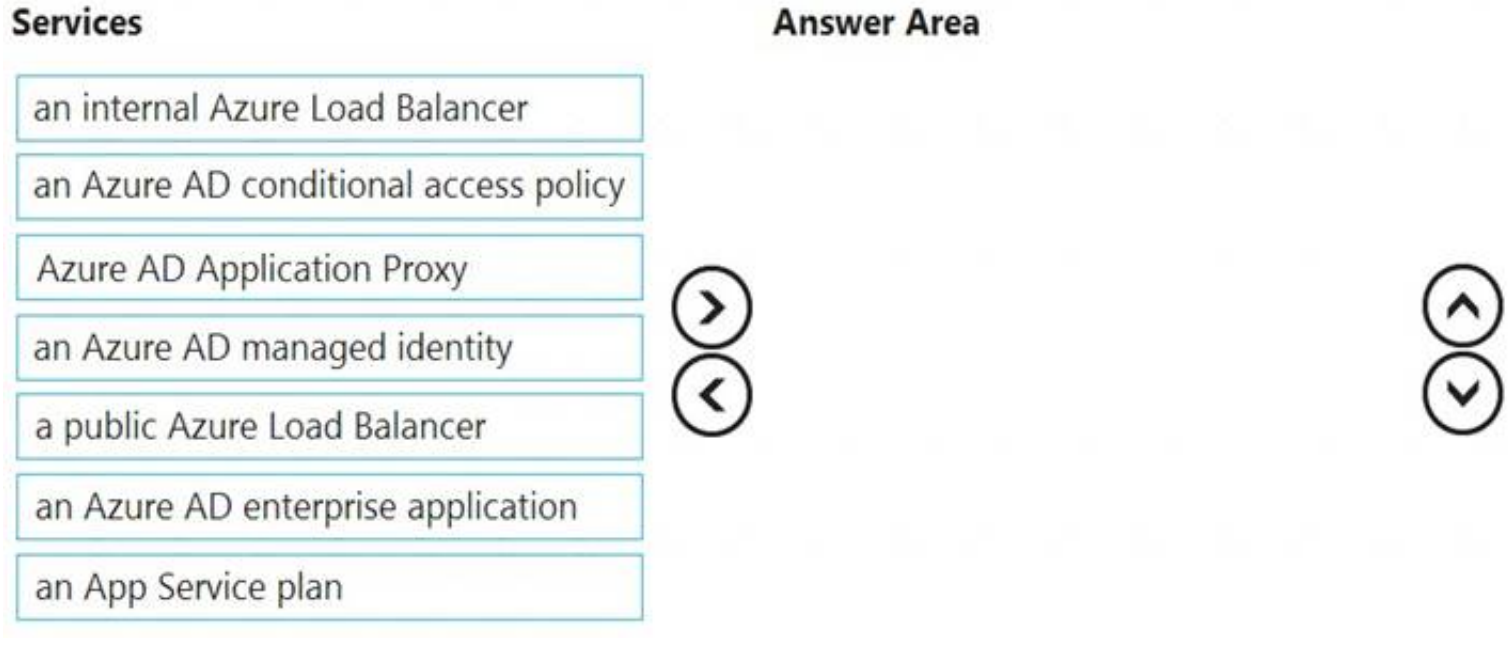
A. an Azure Batch account
B. an integration account
C. an On-premises data gateway
D. an Azure Import/Export job
E. Azure Data factory

Answer: DE

Explanation:
https://docs.microsoft.com/en-us/azure/storage/common/storage-import-export-data-from-blobs https://docs.microsoft.com/en-us/answers/questions/31113/fastest-method-to-copy-500gb-table-from-on-premise

NEW QUESTION 7
- (Exam Topic 5)
Your on-premises network contains a server named Server1 that runs an ASP.NET application named App1. You have a hybrid deployment of Azure Active Directory (Azure AD).
You need to recommend a solution to ensure that users sign in by using their Azure AD account and Azure Multi-Factor Authentication (MFA) when they connect

to App1 from the internet.
Which three Azure services should you recommend be deployed and configured in sequence? To answer, move the appropriate services from the list of services to the answer area and arrange them in the correct order.



A. Mastered
B. Not Mastered

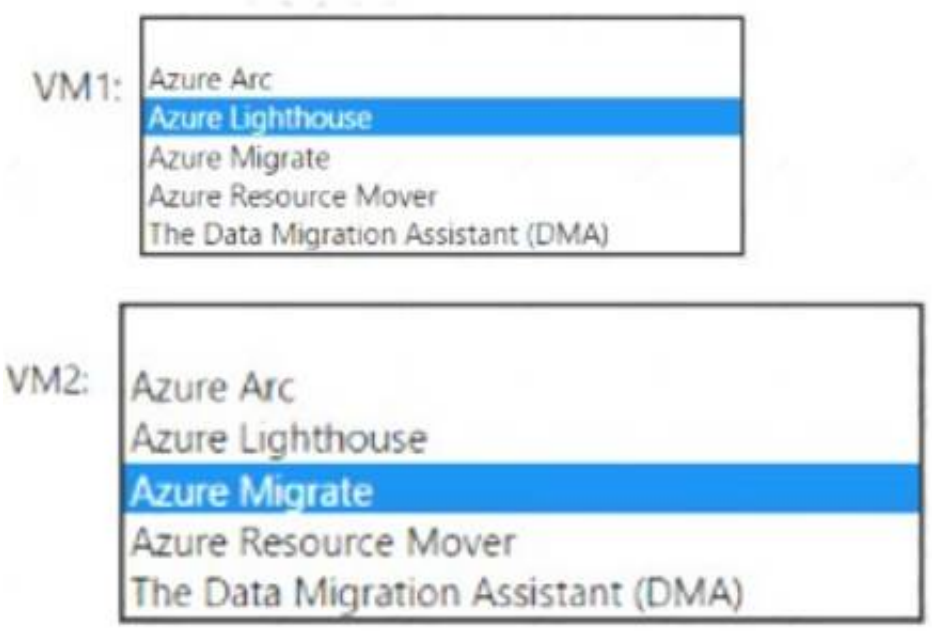
Answer: A

Explanation:
AD Application Proxy
AD Enterprise Application AD Conditional access policy
https://thesleepyadmins.com/2019/02/

NEW QUESTION 8
- (Exam Topic 5)
You have the resources shown in the following table.

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

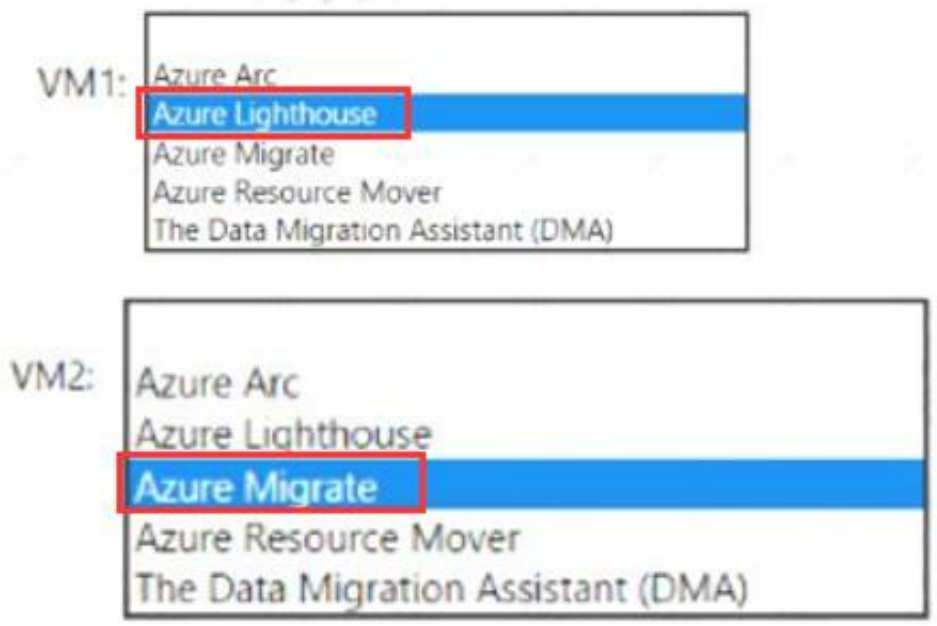
You create a new resource group in Azure named RG2. You need to move the virtual machines to RG2.
What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 9
- (Exam Topic 5)
You have the resources shown in the following table.

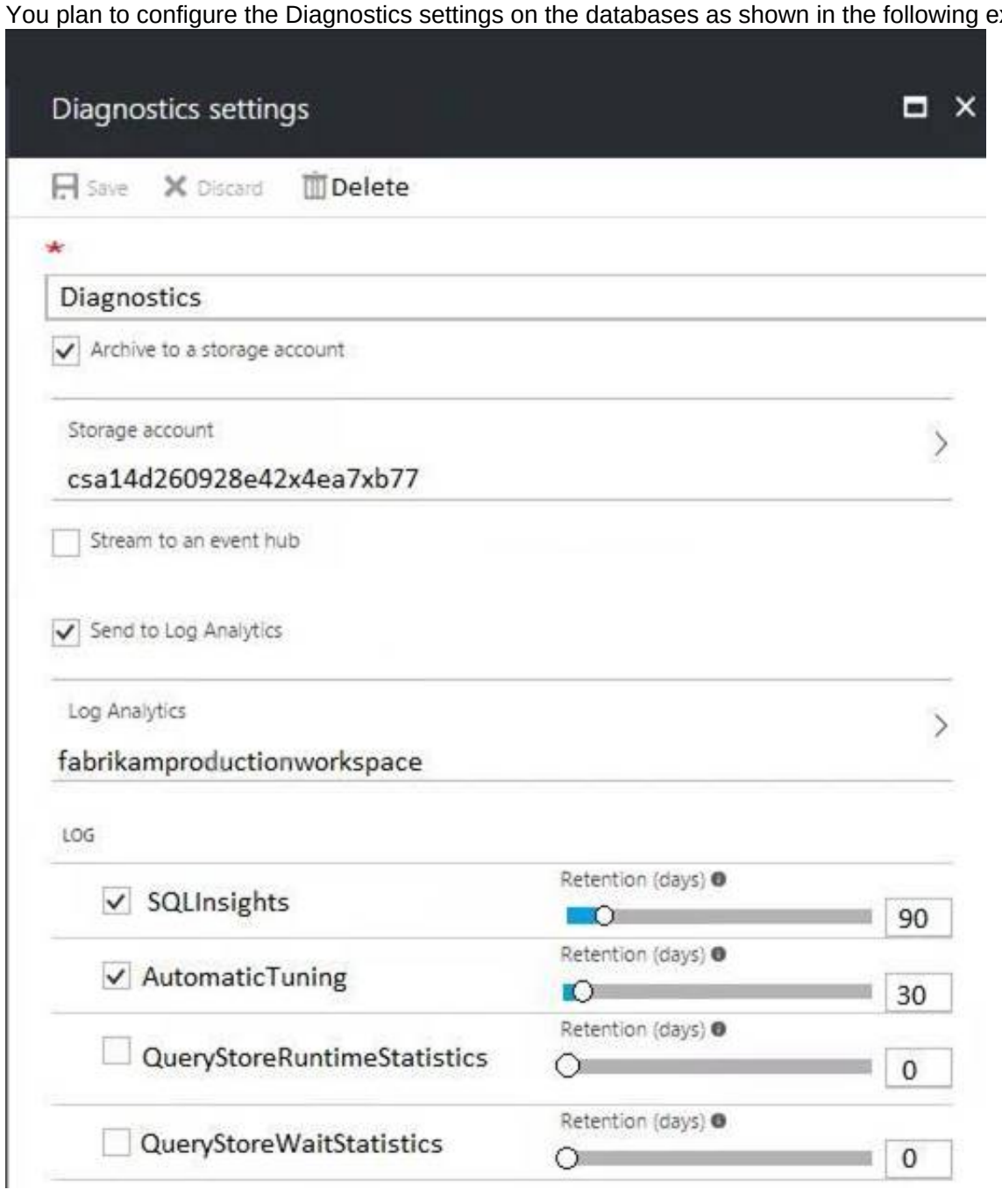
Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB SQL API account

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?

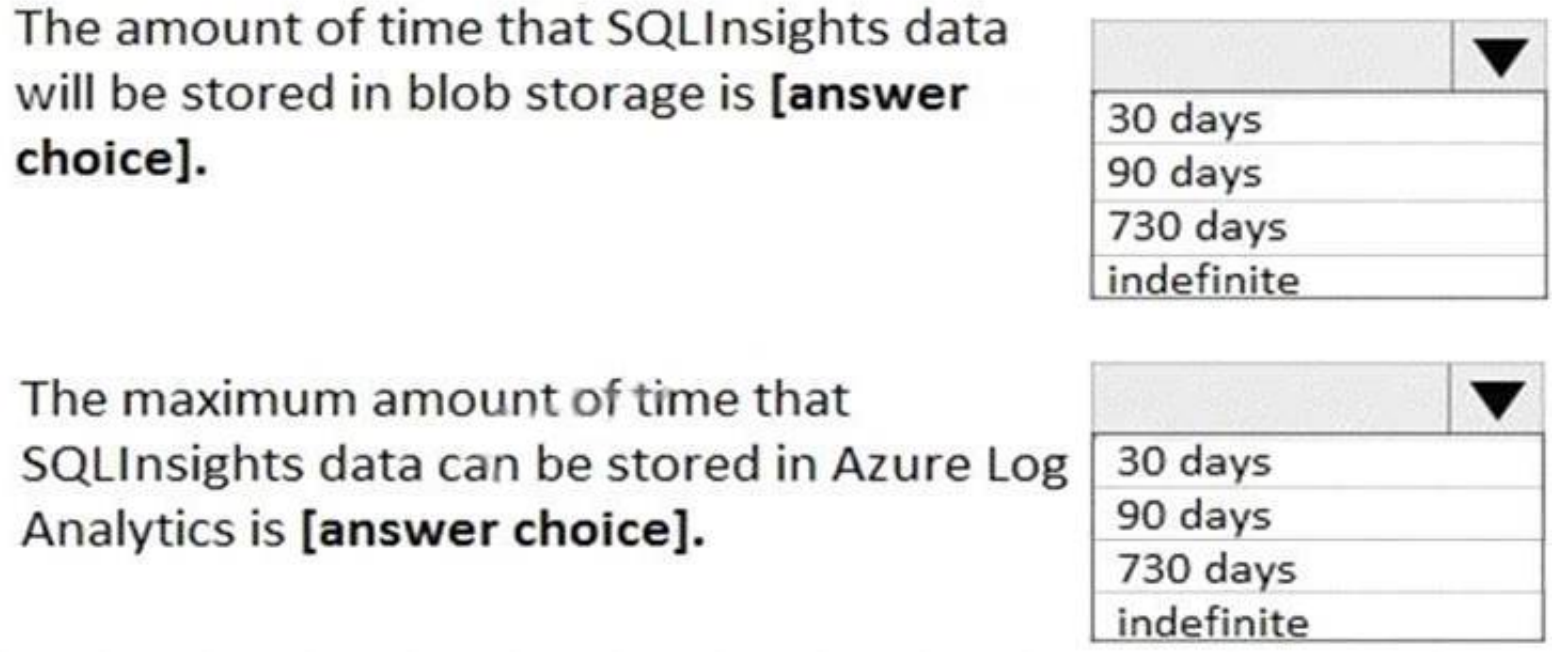
A. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
B. Azure Synapse Analytics with PolyBase data loading
C. Azure Cosmos DB change feed

Answer: B

NEW QUESTION 10
- (Exam Topic 5)
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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
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 10
- (Exam Topic 5)
You plan to import data from your on-premises environment to Azure. The data Is shown in the following table.

On-premises source	Azure target
A Microsoft SQL Server 2012 database	An Azure SQL database
A table in a Microsoft SQL Server 2014 database	An Azure Cosmos DB account that uses the SQL API

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

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 11
- (Exam Topic 5)
You have 100 Microsoft SQL Server integration Services (SSIS) packages that are configured to use 10 on-premises SQL Server databases as their destinations.
You plan to migrate the 10 on-premises databases to Azure SQL Database
You need to recommend a solution to host the SSIS packages in Azure. The solution must ensure that the
packages can target the SQL Database instances as their destinations. What should you include in the recommendation?

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

Answer: D

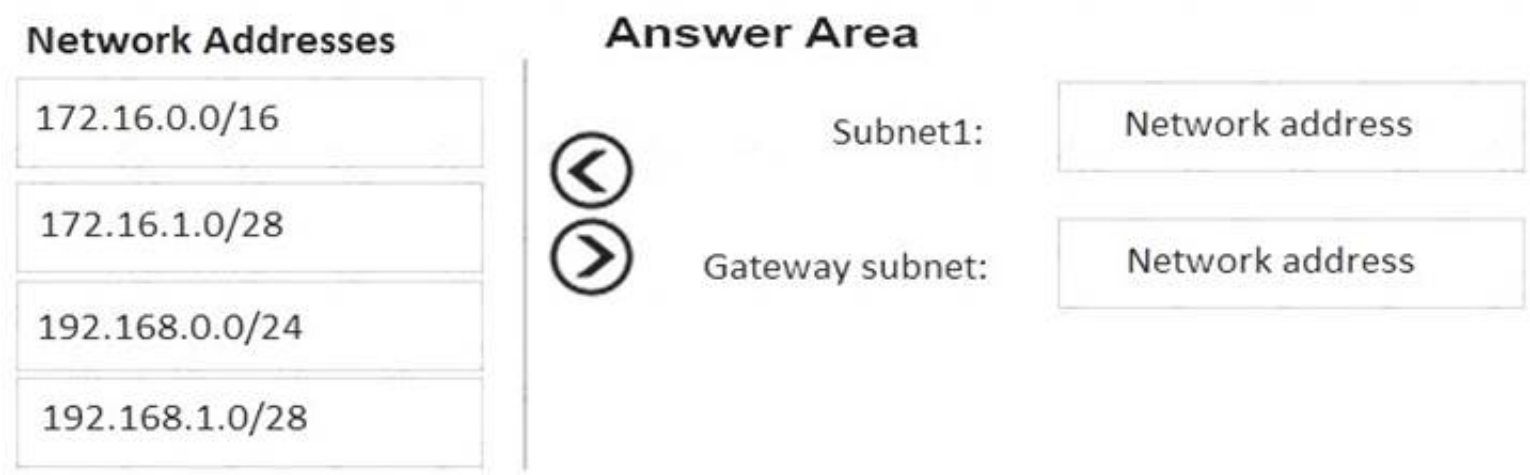
Explanation:

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

NEW QUESTION 14
- (Exam Topic 5)
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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, application Description automatically generated

NEW QUESTION 15
- (Exam Topic 5)
You are designing a microservices architecture that will be hosted in an Azure Kubernetes Service (AKS) cluster. Apps that will consume the microservices will be hosted on Azure virtual machines. The virtual machines and the AKS cluster will reside on the same virtual network.
You need to design a solution to expose the microservices to the consumer apps. The solution must meet the following requirements:
• Ingress access to the microservices must be restricted to a single private IP address and protected by using mutual TLS authentication.
• The number of incoming microservice calls must be rate-limited.
• Costs must be minimized.
What should you include in the solution?

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

Answer: A

Explanation:
One option is to deploy APIM (API Management) inside the cluster VNet.
The AKS cluster and the applications that consume the microservices might reside within the same VNet, hence there is no reason to expose the cluster publicly as all API traffic will remain within the VNet. For these scenarios, you can deploy API Management into the cluster VNet. API Management Premium tier supports VNet deployment.
Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-kubernetes

NEW QUESTION 19
- (Exam Topic 5)
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?

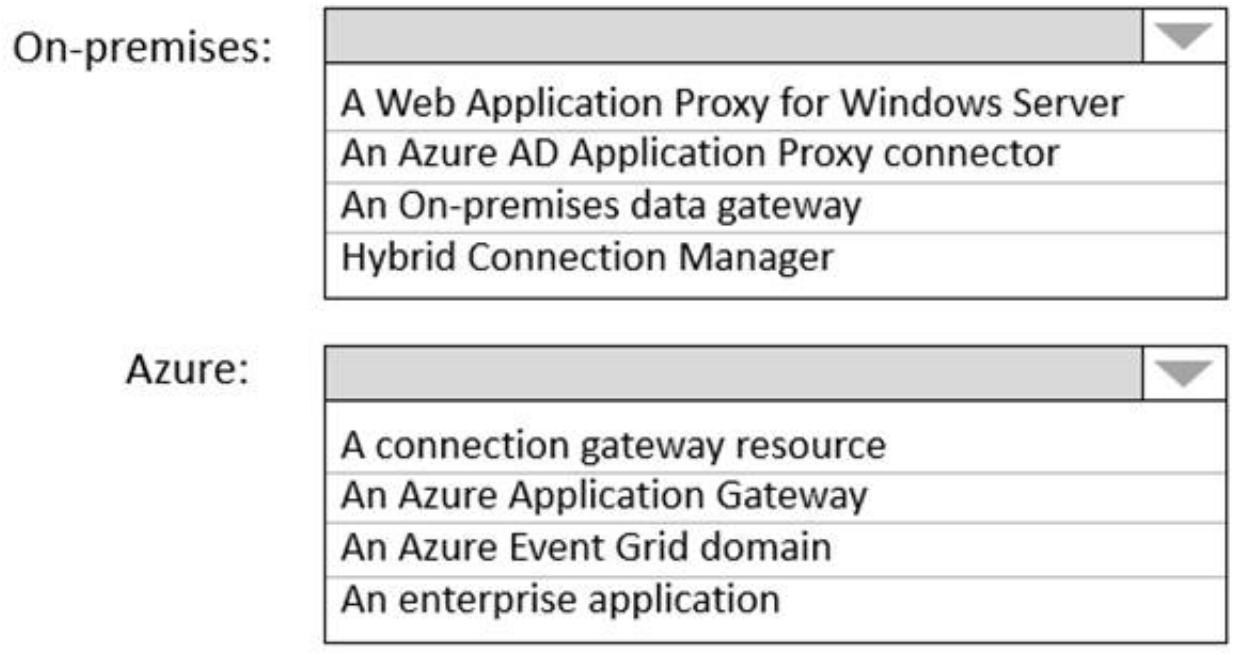
A. In Azure Active Directory (AD) Privileged Identity Management, create a custom role assignment for the Application1 resources
B. Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet
C. Create an Azure Automation runbook that runs the Get-AzureRmRoleAssignment cmdlet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

Answer: D

Explanation:
https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-user-access-with-access-reviews Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group
memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access. Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.
Why are access reviews important?
"Azure AD enables you to collaborate with users from inside your organization and with external users. Users can join groups, invite guests, connect to cloud apps, and work remotely from their work or personal devices. The convenience of using self-service has led to a need for better access management capabilities."

NEW QUESTION 23
- (Exam Topic 5)
You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.
You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server1 is prevented from accessing the internet.
An Azure logic app named LogicApp1 requires write access to a database on Server1.
You need to recommend a solution to provide LogicApp1 with the ability to access Server1.
What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

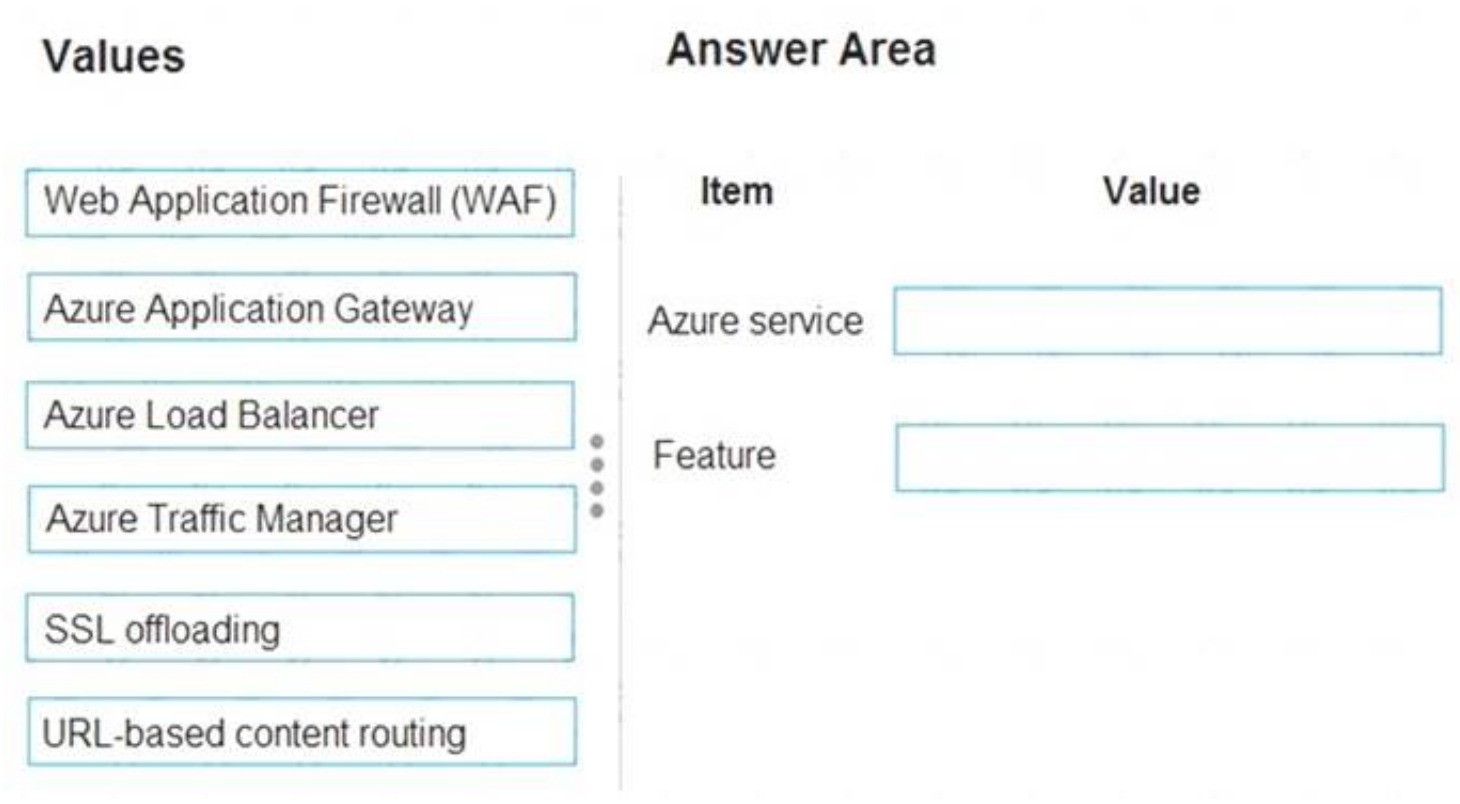


A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: An on-premises data gateway
For logic apps in global, multi-tenant Azure that connect to on-premises SQL Server, you need to have the on-premises data gateway installed on a local computer and a data gateway resource that's already created in Azure.
Box 2: A connection gateway resource Reference:
https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure

NEW QUESTION 25
- (Exam Topic 5)
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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
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 29
- (Exam Topic 5)
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.

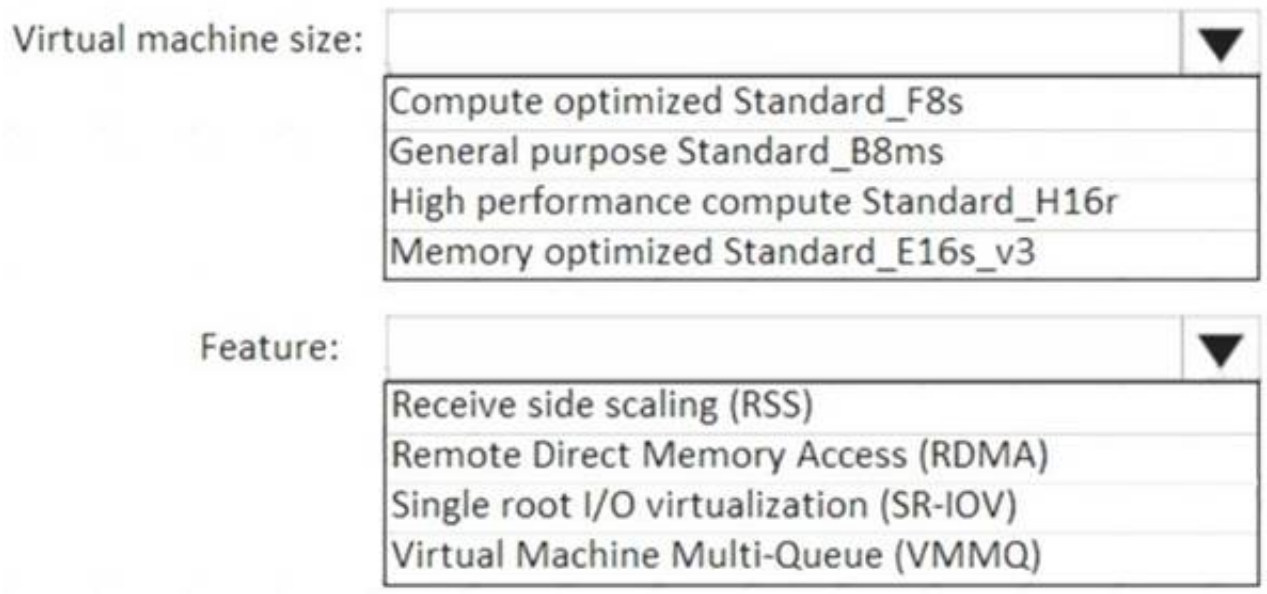
A. Create a general-purpose v1 storage accoun
B. Create a blob container and copy the files to the blob container.
C. Create a general-purpose v2 storage account that is configured for the Hot default access tie
D. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.
E. Create a general-purpose v1 storage accoun
F. Create a file share in the storage account and copy the files to the file share.
G. Create a general-purpose v2 storage account that is configured for the Cool default access tie
H. Create a file share in the storage account and copy the files to the file share.
I. Create an Azure Blob storage account that is configured for the Cool default access tie
J. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.

Answer: BE

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

NEW QUESTION 31
- (Exam Topic 5)
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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series

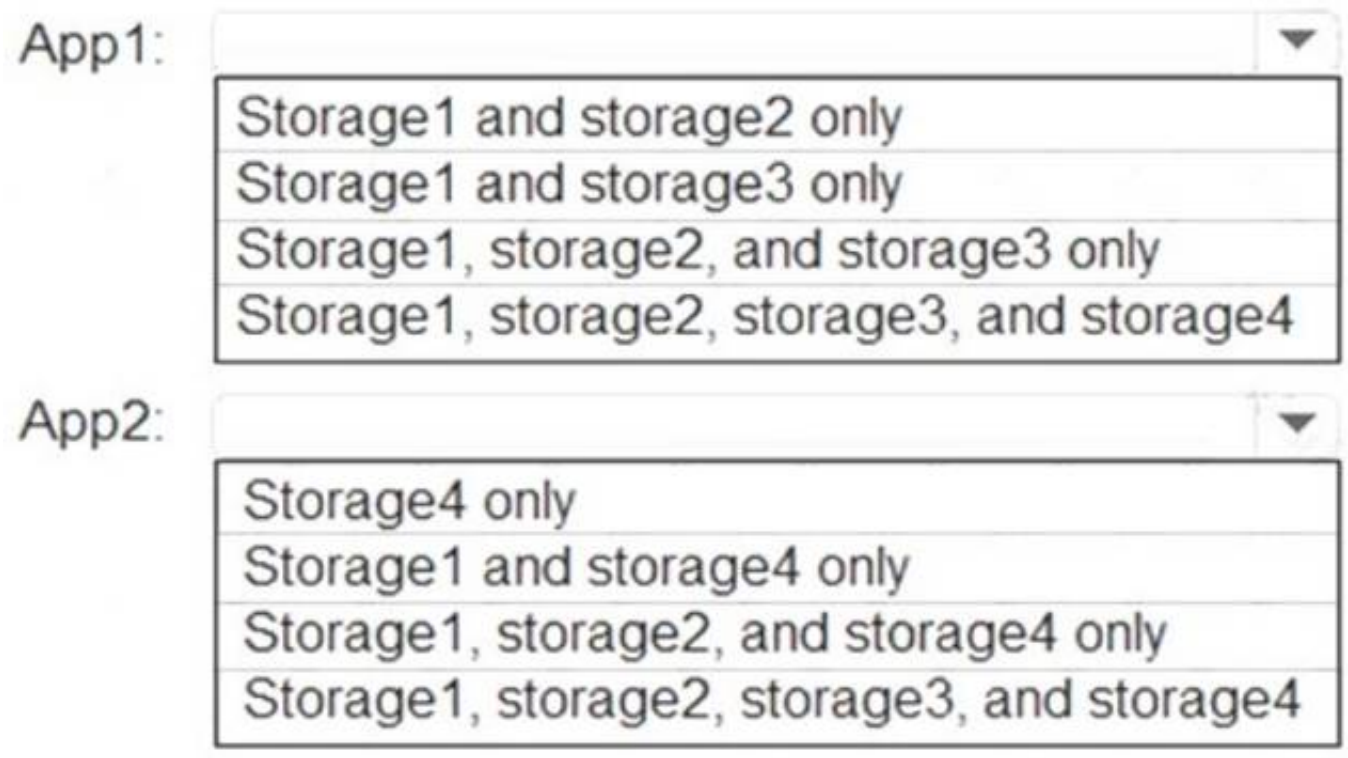
NEW QUESTION 36
- (Exam Topic 5)
You have an Azure subscription that contains the storage accounts shown in the following table.

Name	Type	Performance
storage1	StorageV2	Standard
storage2	SrorageV2	Premium
storage3	BlobStorage	Standard
storage4	FileStorage	Premium

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

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

Which storage accounts should you recommend using for each app? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:

https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview https://www.edureka.co/community/40011/different-storage-accounts-there-major-difference-between https://insidemstech.com/tag/general-purpose-v2/
In conclusion the correct answers are: Box1 --> Storage1 and Storage3 only Box2 --> Storage1 and Storage4 only
https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share?tabs=azure-portal#basics

NEW QUESTION 39
- (Exam Topic 5)
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: C

Explanation:
To keep up with application demands in Azure Kubernetes Service (AKS), you may need to adjust the number of nodes that run your workloads. The cluster autoscaler component can watch for pods in your cluster that can't be scheduled because of resource constraints. When issues are detected, the number of nodes in a node pool is increased to meet the application demand.
Azure Container Registry is a private registry for hosting container images. It integrates well with orchestrators like Azure Container Service, including Docker Swarm, DC/OS, and the new Azure Kubernetes service.
Moreover, ACR provides capabilities such as Azure Active Directory-based authentication, webhook support, and delete operations.
Reference:
https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler
https://medium.com/velotio-perspectives/continuous-deployment-with-azure-kubernetes-service-azurecontainer- registry-jenkins-ca337940151b

NEW QUESTION 43
- (Exam Topic 5)
You have an Azure subscription.
You need to deploy an Azure Kubernetes Service (AKS) solution that will use Windows Server 2019 nodes. The solution must meet the following requirements:
• Minimize the time it takes to provision compute resources during scale-out operations.
• Support autoscaling of Windows Server containers. Which scaling option should you recommend?

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

Answer: C

Explanation:
https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler#about-the-cluster-autoscaler

NEW QUESTION 47
- (Exam Topic 5)
Your company has the divisions shown m 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. Enable Azure AD pass-through authentication and update the sign-in endpoint
B. Configure the Azure AD provisioning service.
C. Configure assignments tor the fabnkam.com users by using Azure AD Privileged Identity Management (PIM).
D. Use Azure AD entitlement management to govern external users.

Answer: A

NEW QUESTION 52
- (Exam Topic 5)
You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.
Your company has a line-of-business (LOB) application that was developed internally.
You need to implement. SAML single sign-on (SSO) and enforce multi-factor authentication (MFA) when users attempt to access the application from an unknown location.
Which two features should you include in the solution? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Azure AD enterprise applications
B. Azure AD Identity Protection
C. Azure Application Gateway

D. Conditional Access policies
E. Azure AD Privileged Identity Management (PIM)

Answer: AD

NEW QUESTION 57
- (Exam Topic 5)
Your company, named Contoso, Ltd., implements several Azure logic apps that have HTTP triggers. The logic apps provide access to an on-premises web service.
Contoso establishes a partnership with another company named Fabrikam. IncL
Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users.
I Developers at Fabrikam plan to use a subset of the logic apps to build applications that will integrate with the on-premises web service of Contoso.
You need to design a solution to provide the Fabrikam developers with access to the logic apps. The solution must meet the following requirements:
• Requests to the logic apps from the developers must be limited to lower rates than the requests from the users at Contoso.
• The developers must be able to rely on their existing OAuth 2.0 provider to gain access to the logic apps.
• The solution must NOT require changes to the logic apps.
• The solution must NOT use Azure AD guest accounts. What should you include in the solution?

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

Answer: D

Explanation:
API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.
You can secure API Management using the OAuth 2.0 client credentials flow. Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-key-concepts https://docs.microsoft.com/en-us/azure/api-management/api-management-features https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad#ena

NEW QUESTION 62
- (Exam Topic 5)
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: A

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

NEW QUESTION 65
- (Exam Topic 5)
You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

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

The order processing system will have the following transaction flow:
- A customer will place an order by using App1.
- When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.
- An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.
- Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.
- All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component? D18912E1457D5D1DDCBD40AB3BF70D5D
Which type of resource should you recommend for the integration component?

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

Answer: A

Explanation:
A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.
The activities in a pipeline define actions to perform on your data.
Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities.
Azure Functions is now integrated with Azure Data Factory, allowing you to run an Azure function as a step in your data factory pipelines.
Reference:
https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities

NEW QUESTION 67
- (Exam Topic 5)
You plan to automate the deployment of resources to Azure subscriptions.
What is a difference between using Azure Blueprints and Azure Resource Manager templates?

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

Answer: C

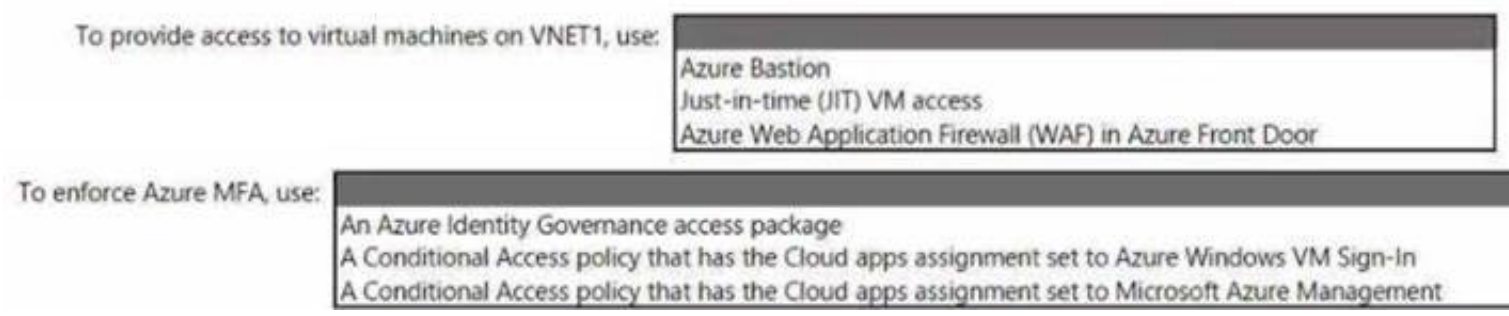
Explanation:
With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved. This connection supports improved tracking and auditing of deployments. Azure Blueprints can also upgrade several subscriptions at once that are governed by the same blueprint.
Reference:
https://docs.microsoft.com/en-us/answers/questions/26851/how-is-azure-blue-prints-different-from-resource-m.h

NEW QUESTION 72
- (Exam Topic 5)
You plan to deploy multiple instances of an Azure web app across several Azure regions.
You need to design an access solution for the app. The solution must meet the following replication requirements:
• Support rate limiting
• Balance requests between all instances.
• Ensure that users can access the app in the event of a regional outage Solution: You use Azure Load Balancer to provide access to the app. Does this meet the goal?

A. Yes
B. No

Answer: B

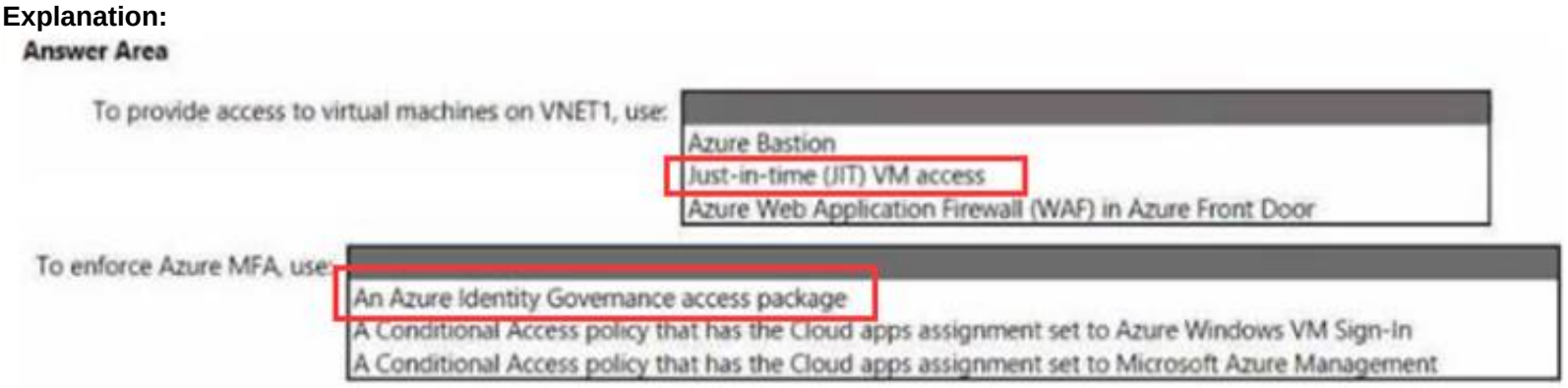
NEW QUESTION 76
- (Exam Topic 5)
You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.
You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:
• Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
• Incoming connections must use TLS and connect to TCP port 443.
• The solution must support RDP and SSH.
What should you Include In the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
Answer Area



A. Mastered
B. Not Mastered

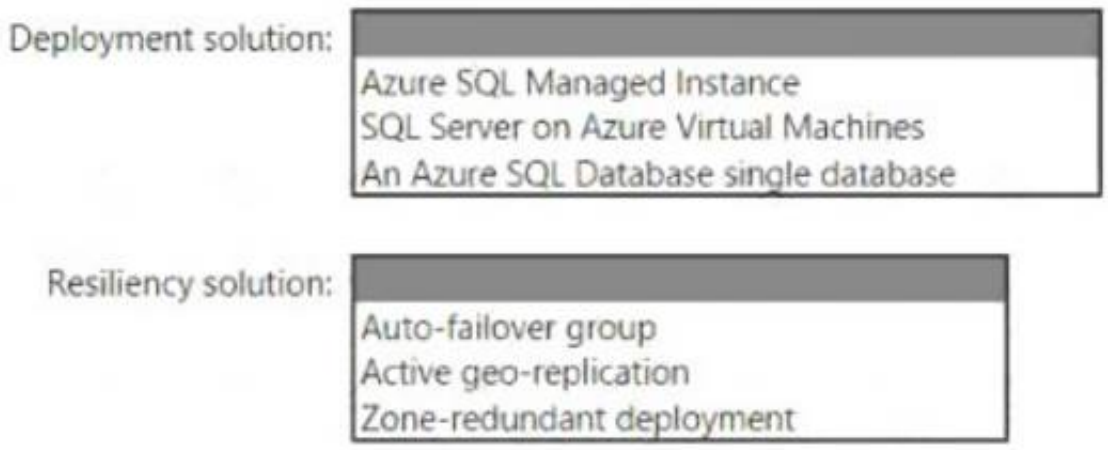
Answer: A

Explanation:
Answer Area



NEW QUESTION 79
- (Exam Topic 5)
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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: An Azure SQL Database single database.
SQL Server Managed instance versus SQL Server Virtual Machines Active geo-replication is not supported by Azure SQL Managed Instance. Box 2: Active geo-replication
Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview

NEW QUESTION 83
- (Exam Topic 5)
You deploy two instances of an Azure web app. One instance is in the East US Azure region and the other instance is in the West US Azure region. The web app uses Azure Blob storage to deliver large files to end users.
You need to recommend a solution for delivering the files to the users. The solution must meet the following requirements:
- Ensure that the users receive files from the same region as the web app that they access.
- Ensure that the files only need to be updated once.
- Minimize costs.

What should you include in the recommendation?

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

Answer: C

NEW QUESTION 85
- (Exam Topic 5)
You have an app named App1 that uses two on-premises Microsoft SQL Server databases named DB1 and DB2.
You plan to migrate DB1 and DB2 to Azure.
You need to recommend an Azure solution to host DB1 and DB2. The solution must meet the following requirements:
• Support server-side transactions across DB1 and DB2.
• Minimize administrative effort to update the solution. What should you recommend?

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

Answer: A

Explanation:
When both the database management system and client are under the same ownership (e.g. when SQL Server is deployed to a virtual machine), transactions are available and the lock duration can be controlled. Reference: https://docs.particular.net/nservicebus/azure/understanding-transactionality-in-azure

NEW QUESTION 90

- (Exam Topic 5)
You have an on-premises named App 1. Customers App1 to manage digital images. You plan to migrate App1 to Azure.
You need to recommend a data storage solution for Appl. The solution must meet the following image storage requirements:

- Encrypt images at rest.
- Allow files up to 50M

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 92
- (Exam Topic 5)
You plan to move a web application named App! 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: D

Explanation:
(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 96
- (Exam Topic 5)
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: B

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

Note: Instead Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.
Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview
https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available

NEW QUESTION 97
- (Exam Topic 5)
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 the offices.
You need to recommend a solution to ensure that the users can access the shares 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. an Azure file share and Azure File Sync
C. Azure blob containers and Azure File Sync
D. a Recovery Services vault and Windows Server Backup

Answer: B

Explanation:
Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share.
You need an Azure file share in the same region that you want to deploy Azure File Sync.
Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-sync-files-deployment-guide

NEW QUESTION 99
- (Exam Topic 5)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is being deployed and configured for on-premises to Azure connectivity.
Several virtual machines exhibit network connectivity issues.
You need to analyze the network traffic to identify whether packets are being allowed or denied to the virtual machines.
Solution: Use Azure Traffic Analytics in Azure Network Watcher to analyze the network traffic. Does this meet the goal?

A. Yes
B. No

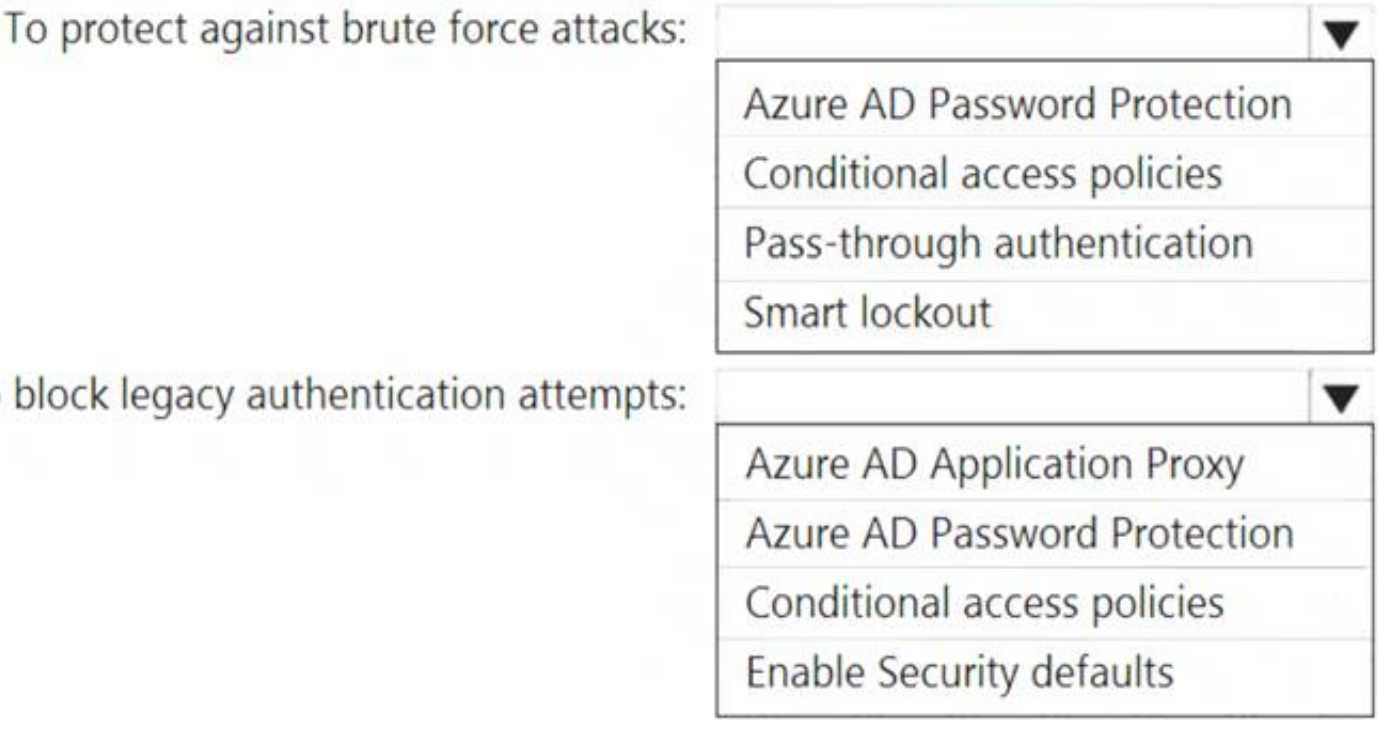
Answer: B

Explanation:
Instead use Azure Network Watcher IP Flow Verify, which allows you to detect traffic filtering issues at a VM level.
Note: IP flow verify checks if a packet is allowed or denied to or from a virtual machine. The information consists of direction, protocol, local IP, remote IP, local port, and remote port. If the packet is denied by a security group, the name of the rule that denied the packet is returned. While any source or destination IP can be chosen, IP flow verify helps administrators quickly diagnose connectivity issues from or to the internet and from or to the on-premises environment.
Reference:
https://docs.microsoft.com/en-us/azure/network-watcher/network-watcher-ip-flow-verify-overview https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics

NEW QUESTION 101
- (Exam Topic 5)
You have the Free edition of a hybrid Azure Active Directory (Azure AD) tenant. The tenant uses password hash synchronization.
You need to recommend a solution to meet the following requirements:

- Prevent Active Directory domain user accounts from being locked out as the result of brute force attacks targeting Azure AD user accounts.
- Block legacy authentication attempts to Azure AD integrated apps.
- Minimize costs.

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.



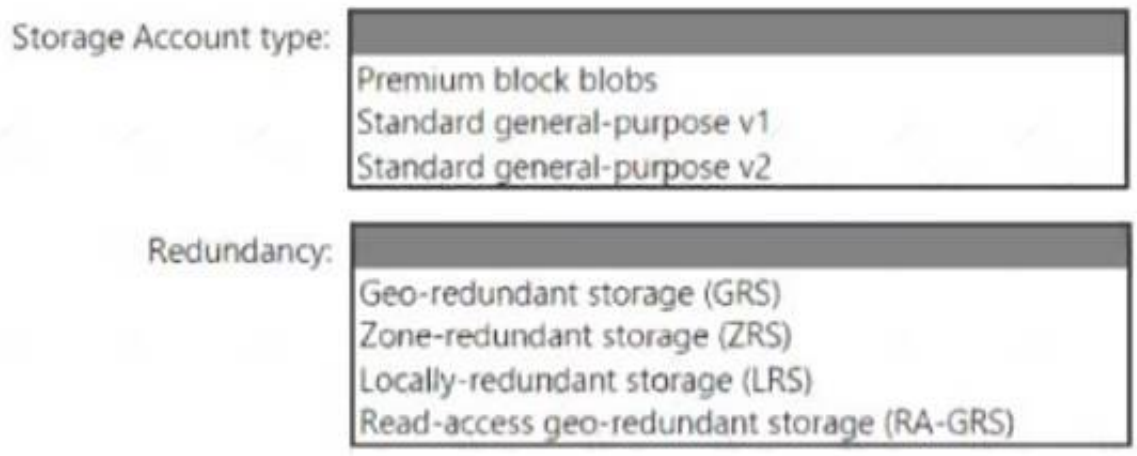
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: Smart lockout
Smart lockout helps lock out bad actors that try to guess your users' passwords or use brute-force methods to get in. Smart lockout can recognize sign-ins that come from valid users and treat them differently than ones of attackers and other unknown sources. Attackers get locked out, while your users continue to access their accounts and be productive.
Box 2: Conditional access policies
If your environment is ready to block legacy authentication to improve your tenant's protection, you can accomplish this goal with Conditional Access.
How can you prevent apps using legacy authentication from accessing your tenant's resources? The recommendation is to just block them with a Conditional Access policy. If necessary, you allow only certain users and specific network locations to use apps that are based on legacy authentication.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-password-smart-lockout https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/block-legacy-authentication

NEW QUESTION 103
- (Exam Topic 5)
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 Area



A. Mastered
B. Not Mastered

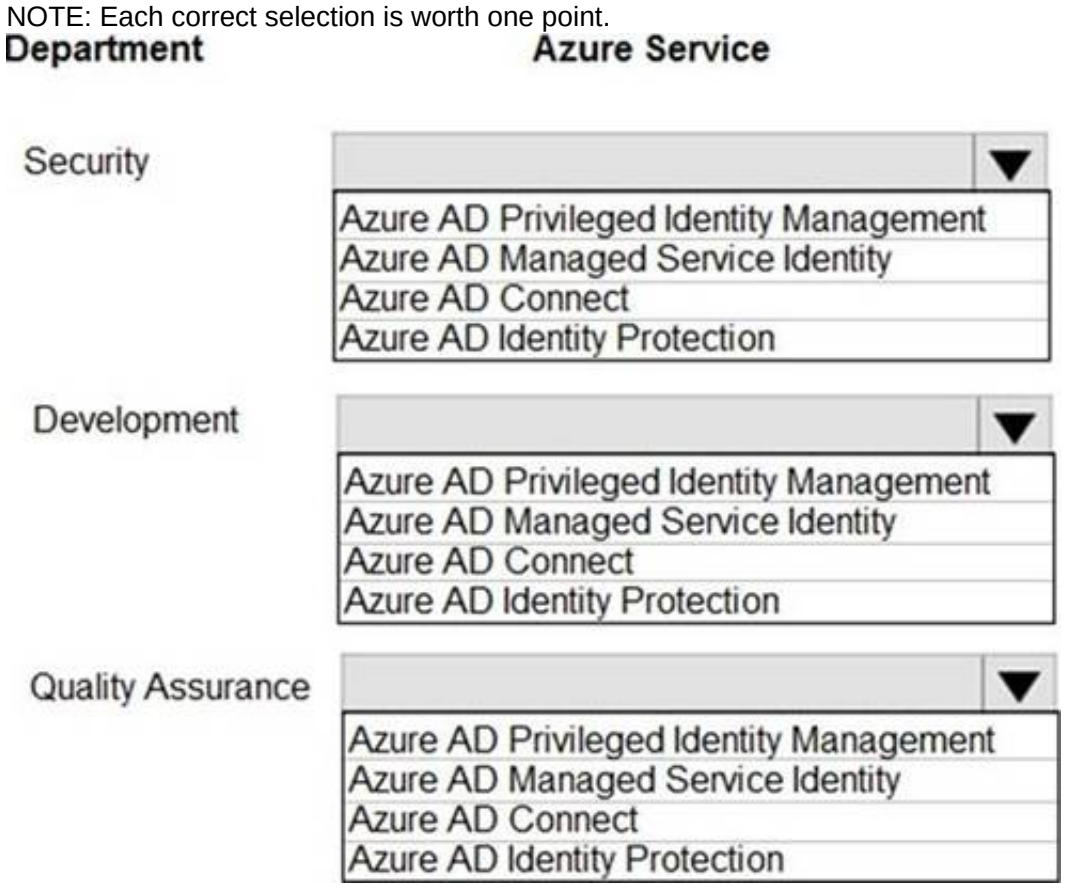
Answer: A

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 108
- (Exam Topic 5)
Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys. Several departments have the following requests to support the applications:

Department	Request
Security	• Review membership of administrative roles and require to provide a justification for continued membership • Get alerts about changes in administrator assignments. • See a history of administrator activation, including which changes administrators made to Azure resources.
Development	• Enable the applications to access Azure Key Vault and retrieve keys for use in code.
Quality Assurance	• Receive temporary administrator access to create and configure additional Web and API applications in the test environment.

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



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated with medium confidence
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

NEW QUESTION 110
- (Exam Topic 5)
You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements. Which of the endpoint should App1 use to obtain an access token?

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

Answer: A

NEW QUESTION 114
- (Exam Topic 5)
You have an Azure subscription.
You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:
• Only allow the creation of the virtual machines in specific regions.
• Only allow the creation of specific sizes of virtual machines. What should you include in the recommendation?

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

Answer: D

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

NEW QUESTION 117
- (Exam Topic 5)
You plan to deploy multiple instances of an Azure web app across several Azure regions.
You need to design an access solution for the app. The solution must meet the following replication requirements;
• Support rate limiting.
• Balance requests between all instances.
• Ensure that users can access the app in the event of a regional outage.
Solution: You use Azure Traffic Manager to provide access to the app Does this meet the goal?

A. Yes
B. No

Answer: A

NEW QUESTION 120
- (Exam Topic 5)
You plan provision a High Performance Computing (HPC) cluster in Azure that will use a third-party scheduler.
You need to recommend a solution to provision and manage the HPC cluster node. What should you include in the recommendation?

A. Azure Lighthouse
B. Azure CycleCloud
C. Azure Purview
D. Azure Automation

Answer: B

Explanation:
You can dynamically provision Azure HPC clusters with Azure CycleCloud. Azure CycleCloud is the simplest way to manage HPC workloads.
Note: Azure CycleCloud is an enterprise-friendly tool for orchestrating and managing High Performance Computing (HPC) environments on Azure. With CycleCloud, users can provision infrastructure for HPC systems, deploy familiar HPC schedulers, and automatically scale the infrastructure to run jobs efficiently at any scale. Through CycleCloud, users can create different types of file systems and mount them to the compute cluster nodes to support HPC workloads.
Reference:
https://docs.microsoft.com/en-us/azure/cyclecloud/overview

NEW QUESTION 125
- (Exam Topic 5)
Your company has an Azure Web App that runs via the Premium App Service Plan. A development team will be using the Azure Web App. You have to configure the Azure Web app so that it can fulfil the below requirements.
Provide the ability to switch the web app from the current version to a newer version
Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs
Ensure that the application version can be rolled back Minimize downtime
Which of the following can be used for this requirement?

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

Answer: B

NEW QUESTION 130
- (Exam Topic 5)
You need to recommend a solution to deploy containers that run an application. The application has two tiers. Each tier is implemented as a separate Docker Linux-based image. The solution must meet the following requirements:
- The front-end tier must be accessible by using a public IP address on port 80.
- The backend tier must be accessible by using port 8080 from the front-end tier only.
- Both containers must be able to access the same Azure file share.
- If a container fails, the application must restart automatically.
- Costs must be minimized.

What should you recommend using to host the application?

A. Azure Kubernetes Service (AKS)
B. Azure Service Fabric
C. Azure Container instances
D. Azure Container registries

Answer: C

Explanation:
Azure Container Instances enables a layered approach to orchestration, providing all of the scheduling and management capabilities required to run a single container, while allowing orchestrator platforms to manage multi-container tasks on top of it.
Because the underlying infrastructure for container instances is managed by Azure, an orchestrator platform does not need to concern itself with finding an appropriate host machine on which to run a single container.

Azure Container Instances can schedule both Windows and Linux containers with the same API. Orchestration of container instances exclusively
Because they start quickly and bill by the second, an environment based exclusively on Azure Container Instances offers the fastest way to get started and to deal with highly variable workloads.
Reference:
https://docs.microsoft.com/en-us/azure/container-instances/container-instances-overview https://docs.microsoft.com/en-us/azure/container-instances/container-instances-orchestrator-relationship

NEW QUESTION 135
- (Exam Topic 5)
You plan to deploy 10 applications to Azure. The applications will be deployed to two Azure Kubernetes Service (AKS) clusters. Each cluster will be deployed to a separate Azure region.
The application deployment must meet the following requirements:
• Ensure that the applications remain available if a single AKS cluster fails.
• Ensure that the connection traffic over the internet is encrypted by using SSL without having to configure SSL on each container.
Which service should you include in the recommendation?

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

Answer: C

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

NEW QUESTION 140
- (Exam Topic 5)
You plan to deploy an application named App1 that will run on five Azure virtual machines. Additional virtual machines will be deployed later to run App1.
You need to recommend a solution to meet the following requirements for the virtual machines that will run App1:

- Ensure that the virtual machines can authenticate to Azure Active Directory (Azure AD) to gain access to an Azure key vault, Azure Logic Apps instances, and an Azure SQL database.
- Avoid assigning new roles and permissions for Azure services when you deploy additional virtual machines.
- Avoid storing secrets and certificates on the virtual machines.

Which type of identity should you include in the recommendation?

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

Answer: D

Explanation:
Managed identities for Azure resources is a feature of Azure Active Directory.
User-assigned managed identity can be shared. The same user-assigned managed identity can be associated with more than one Azure resource.
Reference:
https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview

NEW QUESTION 144
- (Exam Topic 5)
You need to recommend an Azure Storage Account configuration for two applications named Application1 and Applications. The configuration must meet the following requirements:
• Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
• Storage for Application2 must provide the lowest possible storage costs per GB.
• Storage for both applications must be optimized for uploads and downloads.
• Storage for both applications must be available in an event of datacenter failure.
What should you recommend ? To answer, select the appropriate options in the answer area NOTE: Each correct selection is worth one point

Answer Area

Application1:

BlobStorage with Standard performance, Hot access tier, and Read-access geo-redundant storage (RA-GRS) replication

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

General purpose v1 with Premium performance and Locally-redundant storage (LRS) replication

General purpose v2 with Standard performance, Hot access tier, and Locally-redundant storage (LRS) replication

Application2:

BlobStorage with Standard performance, Cool access tier, and Geo-redundant storage (GRS) replication

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

General purpose v1 with Standard performance and Read-access geo-redundant storage (RA-GRS) replication

General purpose v2 with Standard performance, Cool access tier, and Read-access geo-redundant storage (RA-GRS) replication

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: BloblBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication.
BlockBlobStorage accounts: Storage accounts with premium performance characteristics for block blobs and append blobs. Recommended for scenarios with high transactions rates, or scenarios that use smaller objects or require consistently low storage latency.
Premium: optimized for high transaction rates and single-digit consistent storage latency. Box 2: General purpose v2 with Standard performance..
General-purpose v2 accounts: Basic storage account type for blobs, files, queues, and tables. Recommended for most scenarios using Azure Storage.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview
https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy

NEW QUESTION 146
- (Exam Topic 5)
You plan to create an Azure Storage account that will host file shares. The shares will be accessed from on-premises applications that are transaction-intensive.
You need to recommend a solution to minimize latency when accessing the file shares. The solution must
provide the highest-level of resiliency for the selected storage tier.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Storage tier:
Hot
Premium
Transaction optimized

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Premium
Premium: Premium file shares are backed by solid-state drives (SSDs) and provide consistent high performance and low latency, within single-digit milliseconds for most IO operations, for IO-intensive workloads.

Box 2: Zone-redundant storage (ZRS):
Premium Azure file shares only support LRS and ZRS.
Zone-redundant storage (ZRS): With ZRS, three copies of each file stored, however these copies are physically isolated in three distinct storage clusters in different Azure availability zones.
Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning

NEW QUESTION 151
- (Exam Topic 5)
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.
Several VMs are exhibiting network connectivity issues.
You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Install and configure the Microsoft Monitoring Agent and the Dependency Agent on all VMs. Use the Wire Data solution in Azure Monitor to analyze the network traffic.
Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead use Azure Network Watcher to run IP flow verify to analyze the network traffic.
Note: Wire Data looks at network data at the application level, not down at the TCP transport layer. The solution doesn't look at individual ACKs and 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 153
- (Exam Topic 5)
You have the resources shown in the following table.

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

CDB1 hosts a container that stores continuously updated operational data.
You are designing a solution that will use ASI to analyze the operational data daily.
You need to recommend a solution to analyze the data without affecting the performance of the operational data store.
What should you include in the recommendation?

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

Answer: D

NEW QUESTION 158
- (Exam Topic 4)
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: A

NEW QUESTION 161
- (Exam Topic 4)
What two parameters would you recommend set up to ensure that the new IPSCustomers database will scale to meet the workload demands?

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

Answer: CE

NEW QUESTION 165
- (Exam Topic 3)
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 Storage account that uses geo-zone-redundant storage (GZRS)
C. an Azure Data Lake store that uses geo-zone-redundant storage (GZRS)
D. an Azure SQL database that uses active geo-replication

Answer: A

Explanation:
Scenario: App1 has the following data requirements:
- Each instance will write data to a data store in the same availability zone as the instance.
- Data written by any App1 instance must be visible to all App1 instances.

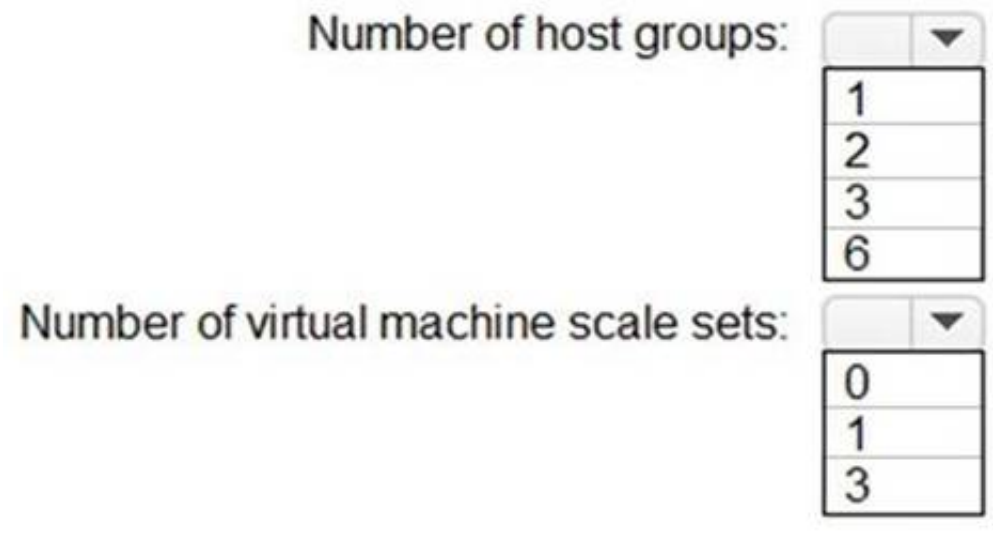
Azure Cosmos DB: Each partition across all the regions is replicated. Each region contains all the data partitions of an Azure Cosmos container and can serve reads as well as serve writes when multi-region writes is enabled.
Reference:
https://docs.microsoft.com/en-us/azure/cosmos-db/high-availability

NEW QUESTION 166
- (Exam Topic 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-based Azure SQL database
C. an Azure virtual machine that runs SQL Server
D. a fixed-size DTU AzureSQL database.

Answer: B

NEW QUESTION 168
- (Exam Topic 1)
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.



A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 173
- (Exam Topic 2)

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 177
- (Exam Topic 1)
You need to implement the Azure RBAC role assignments for the Network Contributor role. The solution must meet the authentication and authorization requirements.
What is the minimum number of assignments that you must use?

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

Answer: A

Explanation:
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 181
- (Exam Topic 1)
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: A

Explanation:
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 183
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