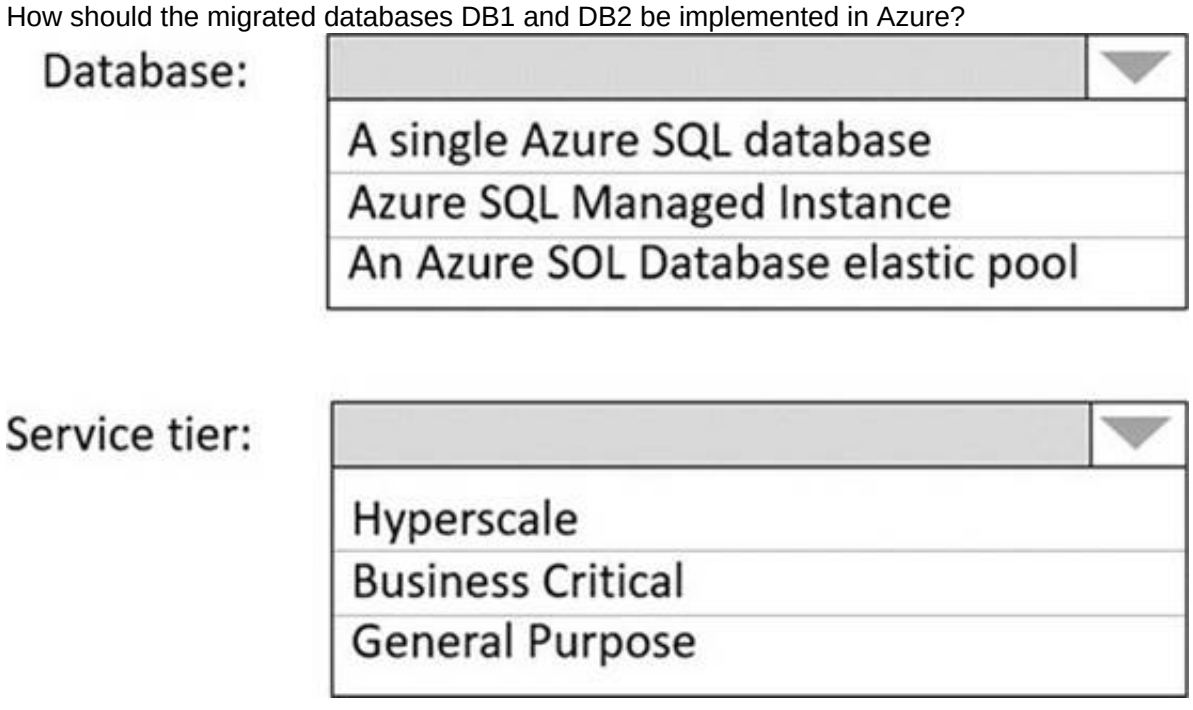
Microsoft

Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

NEW QUESTION 1
- (Exam Topic 1)
How should the migrated databases DB1 and DB2 be implemented in Azure?



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated
Box 1: SQL Managed Instance
Scenario: Once migrated to Azure, DB1 and DB2 must meet the following requirements:
- Maintain availability if two availability zones in the local Azure region fail.
- Fail over automatically.
- Minimize I/O latency.

The auto-failover groups feature allows you to manage the replication and failover of a group of databases on a server or all databases in a managed instance to another region. It is a declarative abstraction on top of the existing active geo-replication feature, designed to simplify deployment and management of geo-replicated databases at scale. You can initiate a geo-failover manually or you can delegate it to the Azure service based on a user-defined policy. The latter option allows you to automatically recover multiple related databases in a secondary region after a catastrophic failure or other unplanned event that results in full or partial loss of the SQL Database or SQL Managed Instance availability in the primary region.
Box 2: Business critical
SQL Managed Instance is available in two service tiers:
General purpose: Designed for applications with typical performance and I/O latency requirements. Business critical: Designed for applications with low I/O latency requirements and minimal impact of
underlying maintenance operations on the workload.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/sql-managed-instance-paas-overview

NEW QUESTION 2
- (Exam Topic 1)
You plan to migrate App1 to Azure.
You need to recommend a network connectivity solution for the Azure Storage account that will host the App1 data. The solution must meet the security and compliance requirements.
What should you include in the recommendation?

A. a private endpoint
B. a service endpoint that has a service endpoint policy
C. Azure public peering for an ExpressRoute circuit
D. Microsoft peering for an ExpressRoute circuit

Answer: A

Explanation:
Private Endpoint securely connect to storage accounts from on-premises networks that connect to the VNet using VPN or ExpressRoutes with private-peering. Private Endpoint also secure your storage account by configuring the storage firewall to block all connections on the public endpoint for the storage service.
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-faqs#microsoft-peering

NEW QUESTION 3
- (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?

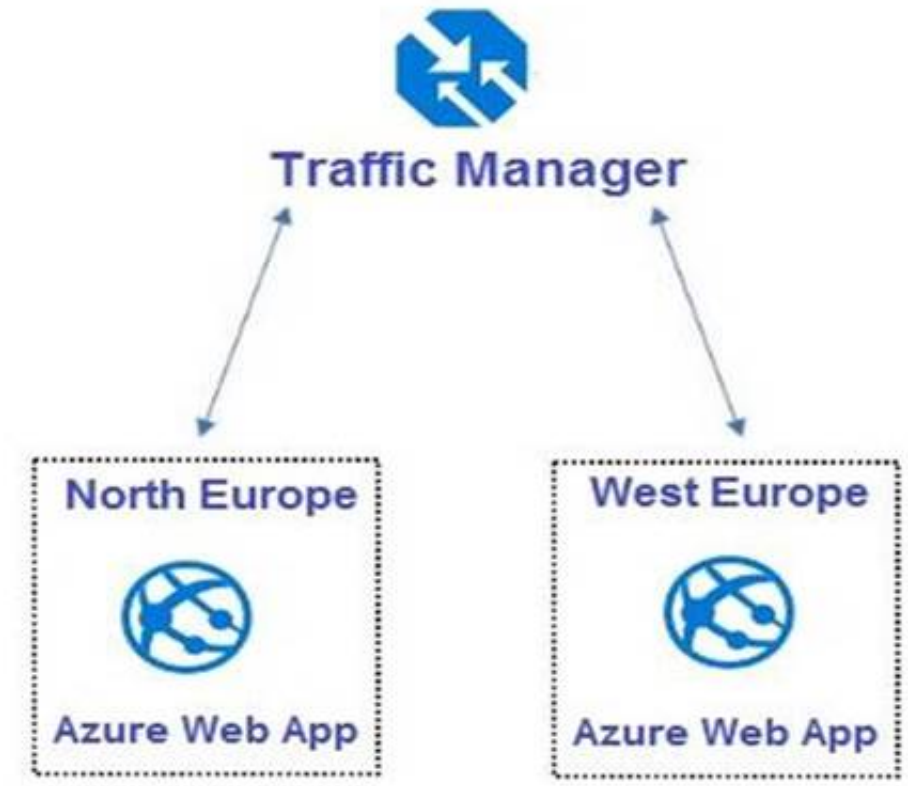
A. 1
B. 2
C. 5

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 4
- (Exam Topic 2)
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.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Yes
Any new deployments to Azure must be redundant in case an Azure region fails.
Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a
traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.
Box 2: Yes
Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens on App Service plan level and has effect on all Web Apps running in that App Service plan).
Box 3: No
Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/

NEW QUESTION 5
- (Exam Topic 2)
You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 6
- (Exam Topic 3)
You need to recommend a solution to ensure that App1 can access the third-party credentials and access strings. The solution must meet the security requirements.
What should you include in the recommendation? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Authenticate App1 by using:
- A certificate
- A service principal
- A system-assigned managed identity
- A user-assigned managed identity

Authorize App1 to retrieve Key Vault secrets by using:
- An access policy
- A connected service
- A private link
- A role assignment

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, table Description automatically generated
Scenario: Security Requirement
All secrets used by Azure services must be stored in Azure Key Vault.
Services that require credentials must have the credentials tied to the service instance. The credentials must NOT be shared between services.
Box 1: A service principal
A service principal is a type of security principal that identifies an application or service, which is to say, a piece of code rather than a user or group. A service principal's object ID is known as its client ID and acts like its username. The service principal's client secret acts like its password.
Note: Authentication with Key Vault works in conjunction with Azure Active Directory (Azure AD), which is responsible for authenticating the identity of any given security principal.
A security principal is an object that represents a user, group, service, or application that's requesting access to Azure resources. Azure assigns a unique object ID to every security principal.
Box 2: A role assignment
You can provide access to Key Vault keys, certificates, and secrets with an Azure role-based access control.
Reference:
https://docs.microsoft.com/en-us/azure/key-vault/general/authentication

NEW QUESTION 7
- (Exam Topic 3)

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

A. one App Service Environment (ASE) per availability zone
B. one App Service plan per availability zone
C. one App Service plan per region
D. one App Service Environment (ASE) per region

Answer: D

NEW QUESTION 8
- (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 Data Lake store that uses geo-zone-redundant storage (GZRS)
C. an Azure SQL database that uses active geo-replication
D. an Azure Storage account that uses geo-zone-redundant storage (GZRS)

Answer: 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 9
- (Exam Topic 5)
You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:
- The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.

Costs must be minimized.
What should you include in the solution?

A. Azure Logic Apps in the integrated service environment
B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan
C. Azure Logic Apps in the Consumption plan
D. Azure Functions in the Consumption plan

Answer: D

Explanation:
When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan.
For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance. Connect to private endpoints with Azure Functions
As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.
Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p

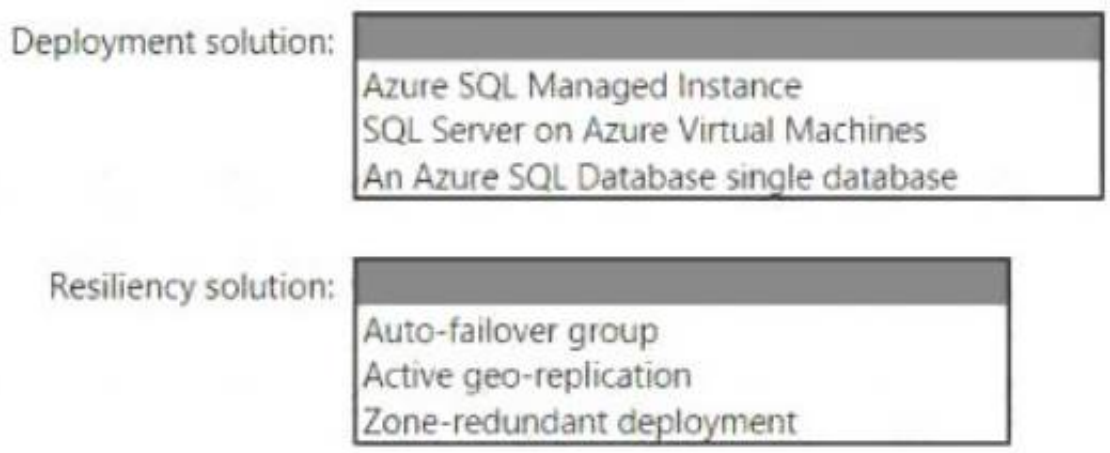
NEW QUESTION 10
- (Exam Topic 5)
You plan to deploy an application named App1 that will run in containers on Azure Kubernetes Service (AKS) clusters. The AKS clusters will be distributed across four Azure regions.
You need to recommend a storage solution to ensure that updated container images are replicated automatically to all the Azure regions hosting the AKS clusters.
Which storage solution should you recommend?

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

Answer: B

NEW QUESTION 10
- (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

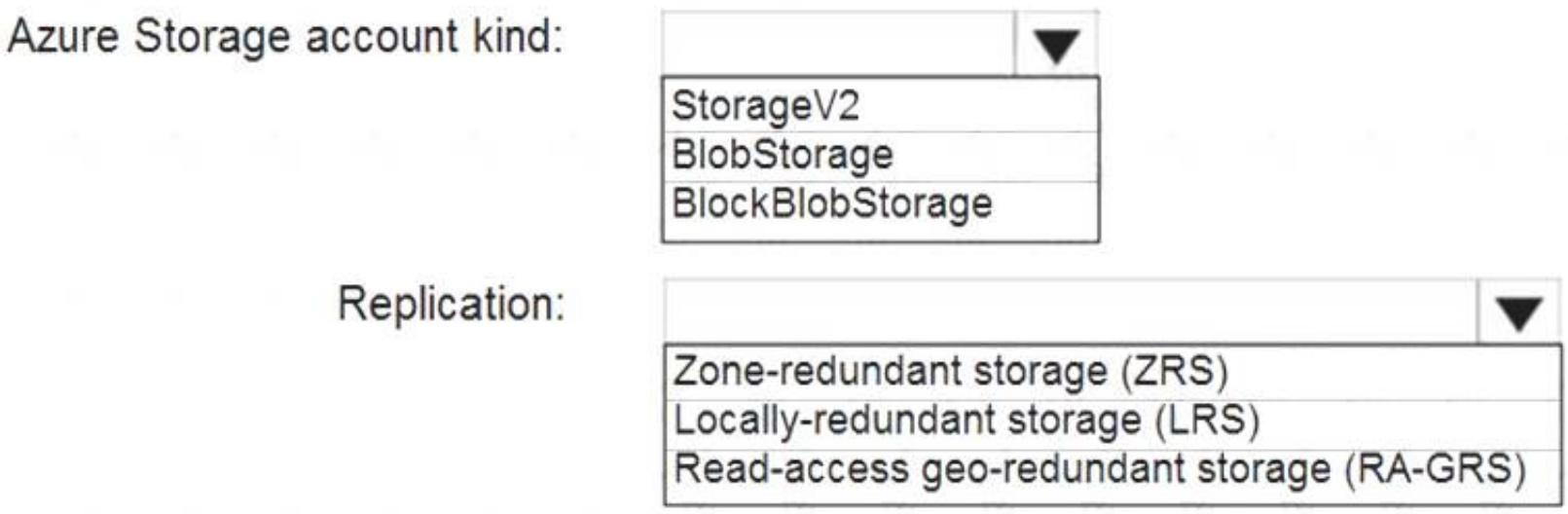
Answer: A

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 12
- (Exam Topic 5)
You plan to develop a new app that will store business critical data. The app must meet the following requirements:

- Prevent new data from being modified for one year.
- Minimize read latency.
- Maximize data resiliency.

You need to recommend a storage solution for the app.
What should you recommend? To answer, select the appropriate options in the answer area.

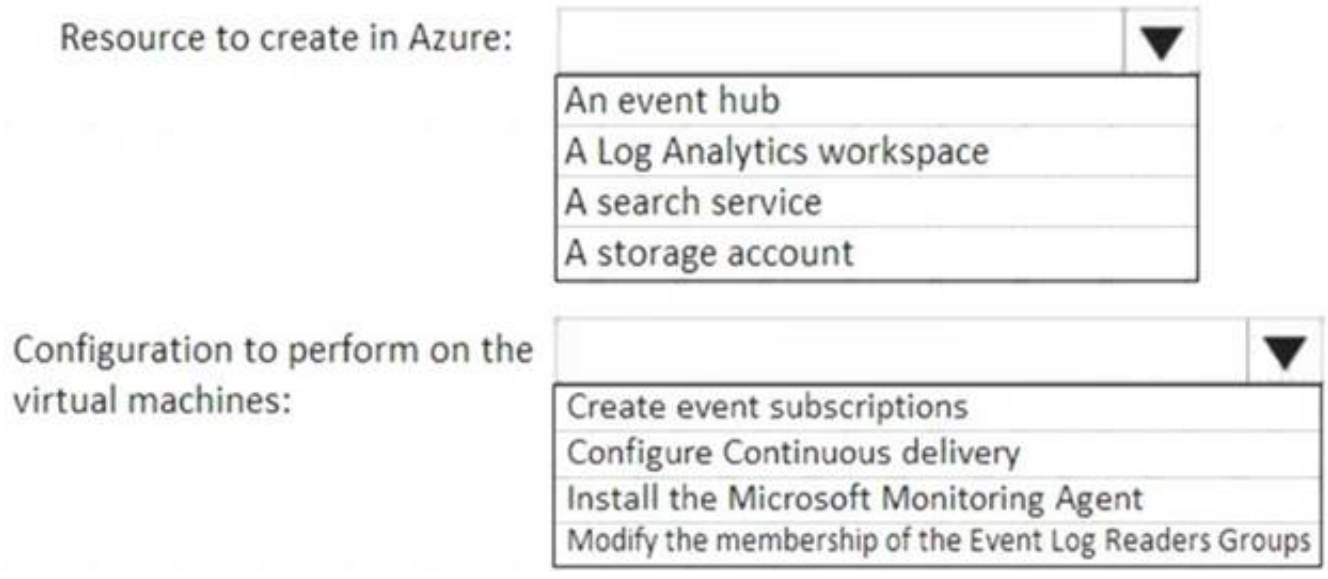


A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?toc=/azure/storage/blobs/toc.json

NEW QUESTION 13
- (Exam Topic 5)
You have an Azure subscription that contains 300 Azure virtual machines that run Windows Server 2016. You need to centrally monitor all warning events in the System logs of the virtual machines.
What should you include in the solutions? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, email Description automatically generated
References:
https://docs.microsoft.com/en-us/azure/azure-monitor/platform/data-sources-windows-events https://docs.microsoft.com/en-us/azure/azure-monitor/platform/agent-windows

NEW QUESTION 18
- (Exam Topic 5)
You have an Azure subscription that contains the resources shown in the following table.

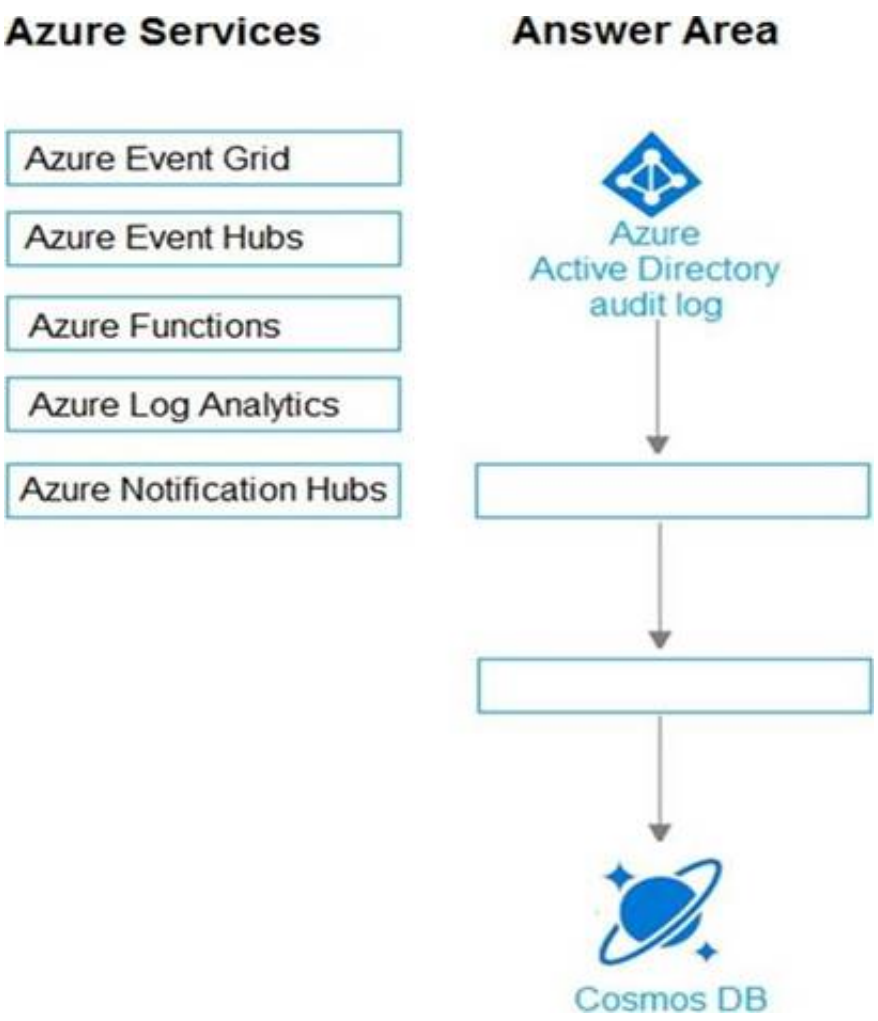
Name	Type	Description
VNet1	Virtual network	*None*
LB1	Public load balancer	Includes a backend pool name BP1
VMSS1	Azure Virtual Machine Scale Sets	Included in BP1 Connected to VNet1
NVA1	Network Virtual Appliance (NVA)	Connected to VNet1 Performs security filtering of traffic for VMSS1
NVA2	Network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

You need to recommend a load balancing solution that will distribute incoming traffic for VMSS1 across NVA1 and NVA2. The solution must minimize administrative effort.
What should you include in the recommendation?

A. Gateway Load Balancer
B. Azure Front Door
C. Azure Application Gateway
D. Azure Traffic Manager

Answer: B

NEW QUESTION 23
- (Exam Topic 5)
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.
Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Diagram Description automatically generated
* 1. AAD audit log -> Event Hub (other two choices, LAW, storage, but not available in this question) https://docs.microsoft.com/en-us/azure/active-directory/reports-monitoring/tutorial-azure-monitor-stream-logs-t
* 2. Azure function has the Event hub trigger and Cosmos output binding
* a. Event Hub trigger for function
https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-event-hubs-trigger?tabs=csharp

NEW QUESTION 28
- (Exam Topic 5)
You have a .NET web service named Service! that performs the following tasks:
• Reads and writes temporary files to the local file system.
• Writes to the Application event log.
You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:
• Minimize maintenance overhead.
• Minimize costs.
What should you include in the recommendation?

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

Answer: C

NEW QUESTION 30
- (Exam Topic 5)
You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.
Which storage solution should you recommend for archiving?

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

Answer: B

Explanation:
Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.
Immutable storage supports:
Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage

NEW QUESTION 31
- (Exam Topic 5)
You need to recommend a solution for the App1 maintenance task. The solution must minimize costs. What should you include in the recommendation?

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

Answer: C

Explanation:
https://learn.microsoft.com/en-us/azure/azure-functions/functions-reference-powershell?tabs=portal https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function#create-a-timer-trig

NEW QUESTION 35
- (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 40
- (Exam Topic 5)
You have an Azure AD tenant that contains a management group named MG1. You have the Azure subscriptions shown in the following table.

Name	Management group
Sub1	MG1
Sub2	MG1
Sub3	Tenant Root Group

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

Name	Subscription
RG1	Sub1
RG2	Sub2
RG3	Sub3

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

Name	Member of
Group1	Group3
Group2	Group3
Group3	*None*

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

Name	Member of
User1	Group1
User2	Group2
User3	Group1, Group2

You perform the following actions:
• Assign User3 the Contributor role for Sub1.
• Assign Group1 the Virtual Machine Contributor role for MG1.
• Assign Group3 the Contributor role for the Tenant Root Group.
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area

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

NEW QUESTION 44
- (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.

An unavailable virtual machine: ▼
- Byte Count
- Data Path Availability
- Health Probe Status
- Packet Count
- SYN Count

More than 50,000 connection attempts per minute: ▼
- Byte Count
- Data Path Availability
- Health Probe Status
- Packet Count
- SYN Count

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 45
- (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?

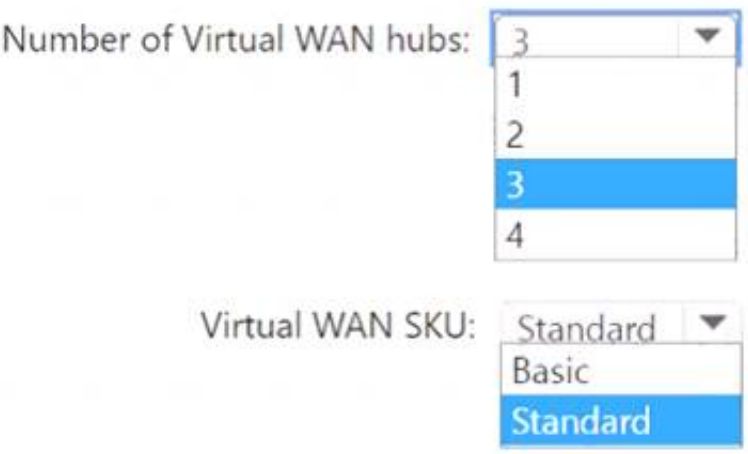
A. Azure Lighthouse
B. Azure CycleCloud
C. Azure Purview
D. Azure Automation

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 47
- (Exam Topic 5)
Your company has offices in New York City, Sydney, Paris, and Johannesburg. The company has an Azure subscription.
You plan to deploy a new Azure networking solution that meets the following requirements:
• Connects to ExpressRoute circuits in the Azure regions of East US, Southeast Asia, North Europe, and South Africa
• Minimizes latency by supporting connections in three regions
• Supports Site-to-Site VPN connections
• Minimizes costs
You need to identify the minimum number of Azure Virtual WAN hubs that you must deploy, and which virtual WAN SKU to use. What should you identify? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

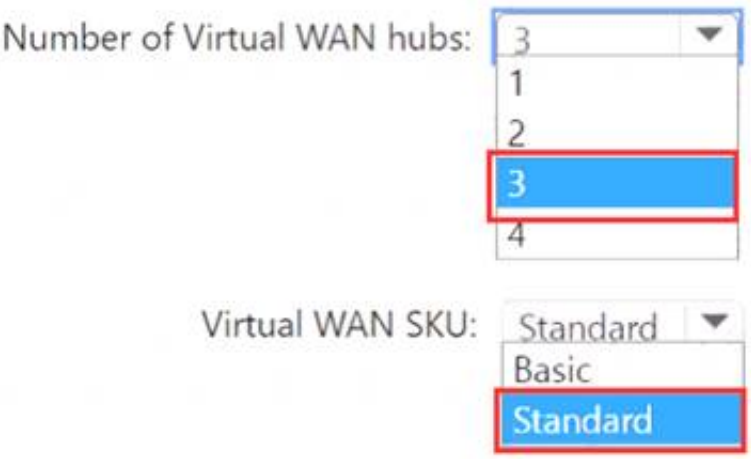
Answer Area



A. Mastered
B. Not Mastered

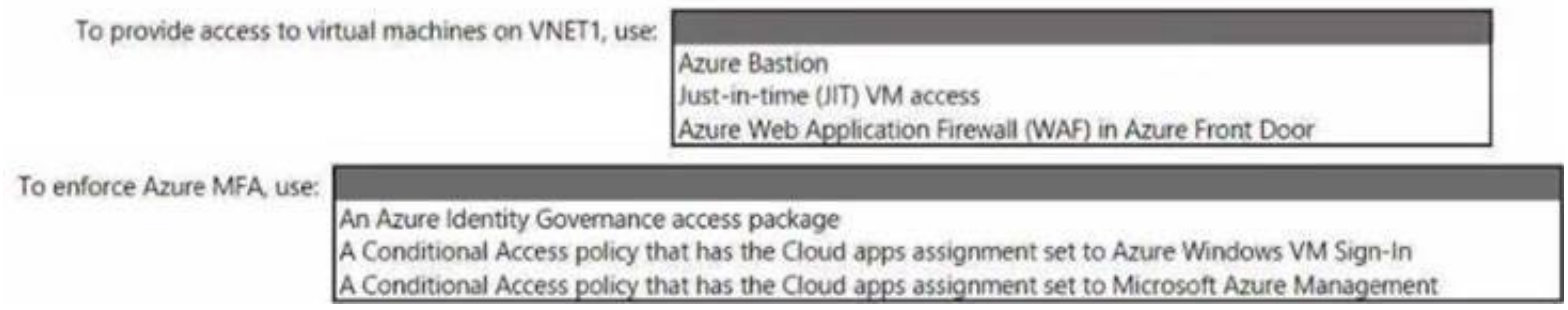
Answer: A

Explanation:
Answer Area



NEW QUESTION 52
- (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.

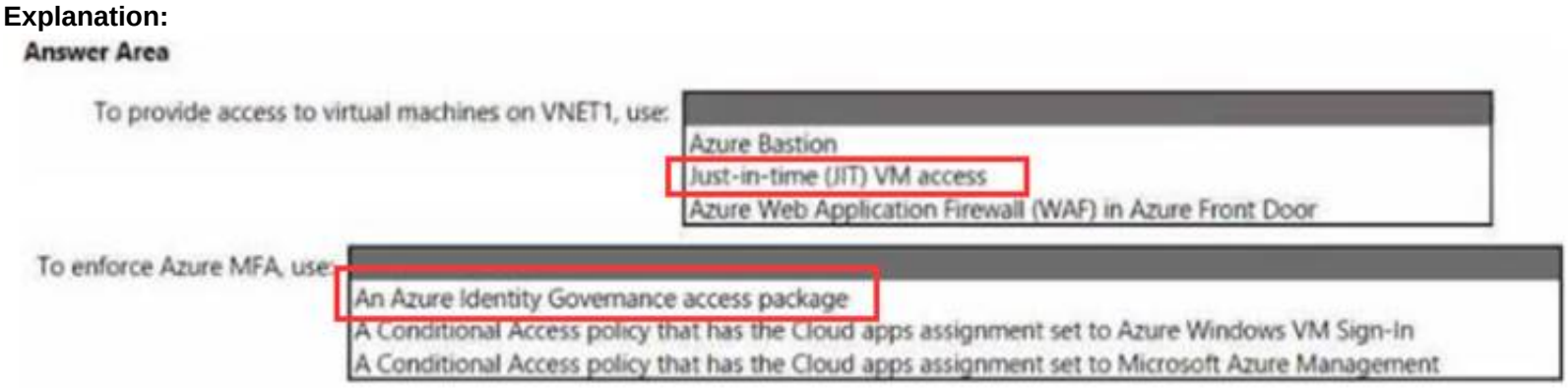
You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:
• Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
• Incoming connections 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 55
- (Exam Topic 5)
You are designing a message application that will run on an on-premises Ubuntu virtual machine. The application will use Azure Storage queues.
You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:
- Create and delete queues daily.
- Be scheduled by using a CRON job.
- Upload messages every five minutes.

What should developers use to interact with the queues?

A. Azure CLI
B. AzCopy
C. Azure Data Factory
D. .NET Core

Answer: D

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues

NEW QUESTION 59
- (Exam Topic 5)
Your company has 20 web APIs that were developed in-house.
The company is developing 10 web apps that will use the web APIs. The web apps and the APIs are registered in the company s Azure AD tenant. The web APIs are published by using Azure API Management.
You need to recommend a solution to block unauthorized requests originating from the web apps from reaching the web APIs. The solution must meet the following requirements:
• Use Azure AD-generated claims.
• Minimize configuration and management effort
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.
NOTE: Each correct selection is worth one point.

Answer Area

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text Description automatically generated with medium confidence

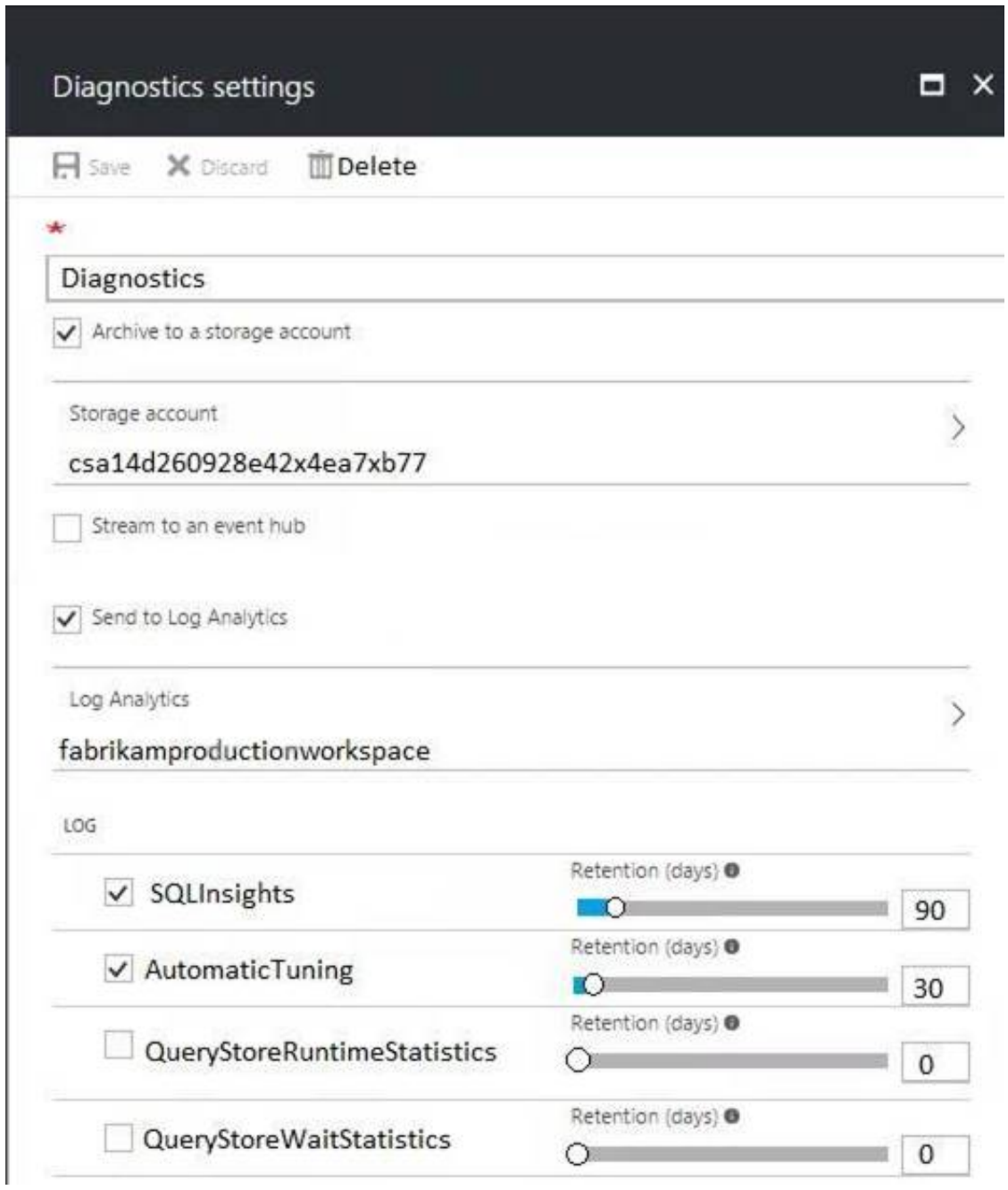
NEW QUESTION 64
- (Exam Topic 5)
You have an Azure subscription.
You need to deploy an Azure Kubernetes Service (AKS) solution that will use Windows Server 2019 nodes. The solution must meet the following requirements:
• Minimize the time it takes to provision compute resources during scale-out operations.
• 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 67
- (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.

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].**

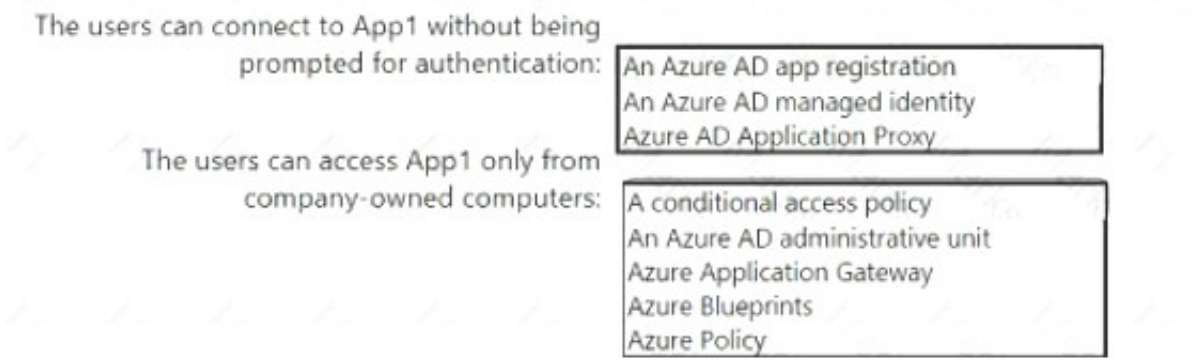
- 30 days
- 90 days
- 730 days
- indefinite

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.

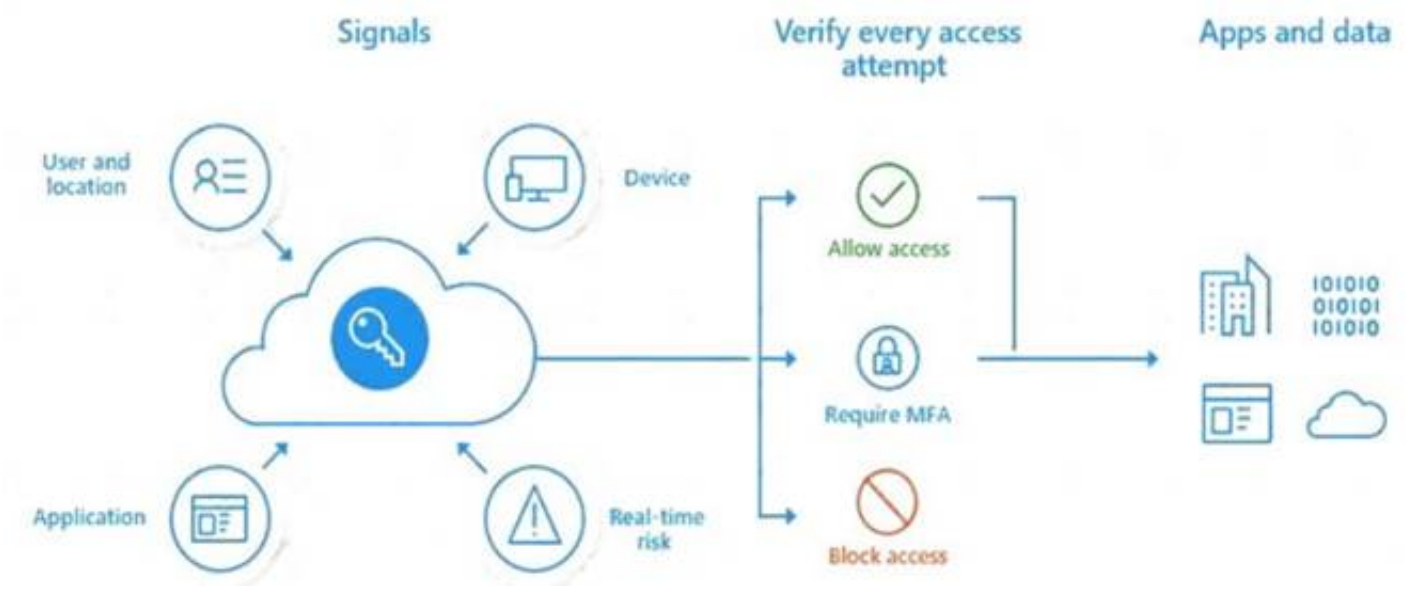
NEW QUESTION 69
- (Exam Topic 5)
You plan to deploy an Azure web app named Appl that will use Azure Active Directory (Azure AD) authentication.
App1 will be accessed from the internet by the users at your company. All the users have computers that run Windows 10 and are joined to Azure AD.
You need to recommend a solution to ensure that the users can connect to App1 without being prompted for authentication and can access App1 only from company-owned computers.
What should you recommend for each requirement? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: An Azure AD app registration
Azure active directory (AD) provides cloud based directory and identity management services.You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.
You register your application with Azure active directory tenant. Box 2: A conditional access policy
Conditional Access policies at their simplest are if-then statements, if a user wants to access a resource, then they must complete an action.
By using Conditional Access policies, you can apply the right access controls when needed to keep your organization secure and stay out of your user's way when not needed.
Timeline Description automatically generated



Reference:
https://codingcanvas.com/using-azure-active-directory-authentication-in-your-web-application/ https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/overview https://docs.microsoft.com/en-us/powerapps/developer/data-platform/walkthrough-register-app-azure-active-dire "After consenting to use their Dataverse account with the ISV's application, end users can connect to
Dataverse environment from external application. The consent form is not displayed again to other users after the first user who has already consented to use the ISV's app. Apps registered in Azure Active Directory are multi-tenant, which implies that other Dataverse users from other tenant can connect to their environment using the ISV's app."

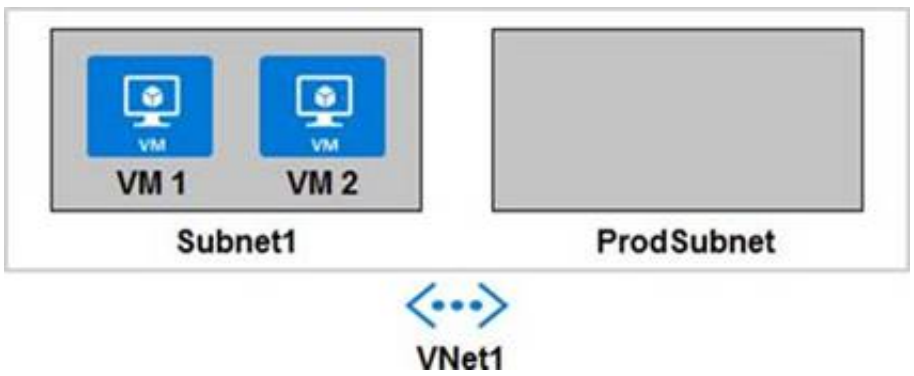
NEW QUESTION 72
- (Exam Topic 5)
You plan to automate the deployment of resources to Azure subscriptions.
What is a difference between using Azure Blueprints and Azure Resource Manager templates?

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.

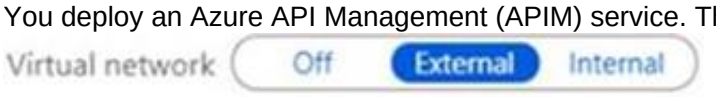
Answer: C

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 73
- (Exam Topic 5)
Your company develops a web service that is deployed to an Azure virtual machine named VM1. The web service allows an API to access real-time data from VM1.
The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).



The chief technology officer (CTO) sends you the following email message: “Our developers have deployed the web service to a virtual machine named VM1. Testing has shown that the API is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in applications that they develop.”
You deploy an Azure API Management (APIM) service. The relevant API Management configuration is shown in the API exhibit. (Click the API tab.)



LOCATION	VIRTUAL NETWORK	SUBNET
West Europe	VNet1	ProdSubnet

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

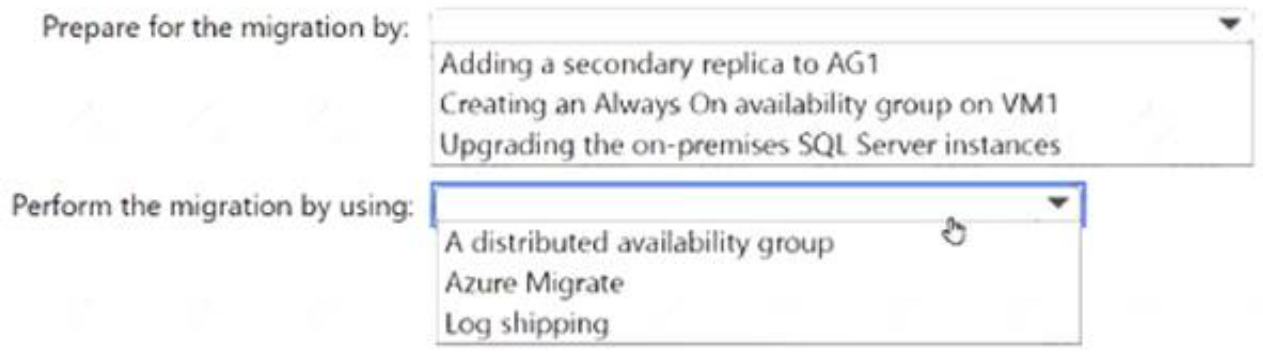
Statements	Yes	No
The API is available to partners over the Internet.	○	○
The APIM instance can access real-time data from VM1.	○	○
A VPN gateway is required for partner access.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet

NEW QUESTION 77
- (Exam Topic 5)
You have two on-premises Microsoft SQL Server 2017 instances that host an Always On availability group named AG1. AG1 contains a single database named DB1.
You have an Azure subscription that contains a virtual machine named VM1VM1 runs Linux and contains a SQL Server 2019 instance.
You need to migrate DB1 to VMI. The solution must minimize downtime on DBI. What should you do? 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 80
- (Exam Topic 5)
You are designing a large Azure environment that will contain many subscriptions. You plan to use Azure Policy as part of a governance solution.
To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

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

Answer: ADE

Explanation:
Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules. Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.
Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/overview

NEW QUESTION 81
- (Exam Topic 5)
You have an Azure subscription that contains two applications named App1 and App2. App1 is a sales processing application. When a transaction in App1 requires shipping, a message is added to an Azure Storage account queue, and then App2 listens to the queue for relevant transactions.
In the future, additional applications will be added that will process some of the shipping requests based on the specific details of the transactions.
You need to recommend a replacement for the storage account queue to ensure that each additional application will be able to read the relevant transactions.
What should you recommend?

A. one Azure Service Bus queue
B. one Azure Service Bus topic
C. one Azure Data Factory pipeline
D. multiple storage account queues

Answer: B

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

NEW QUESTION 83
- (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, Inc.
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.
Developers at Fabrikam plan to use a subset of the logics 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 Front Door
C. Azure API Management
D. Azure AD Application Proxy

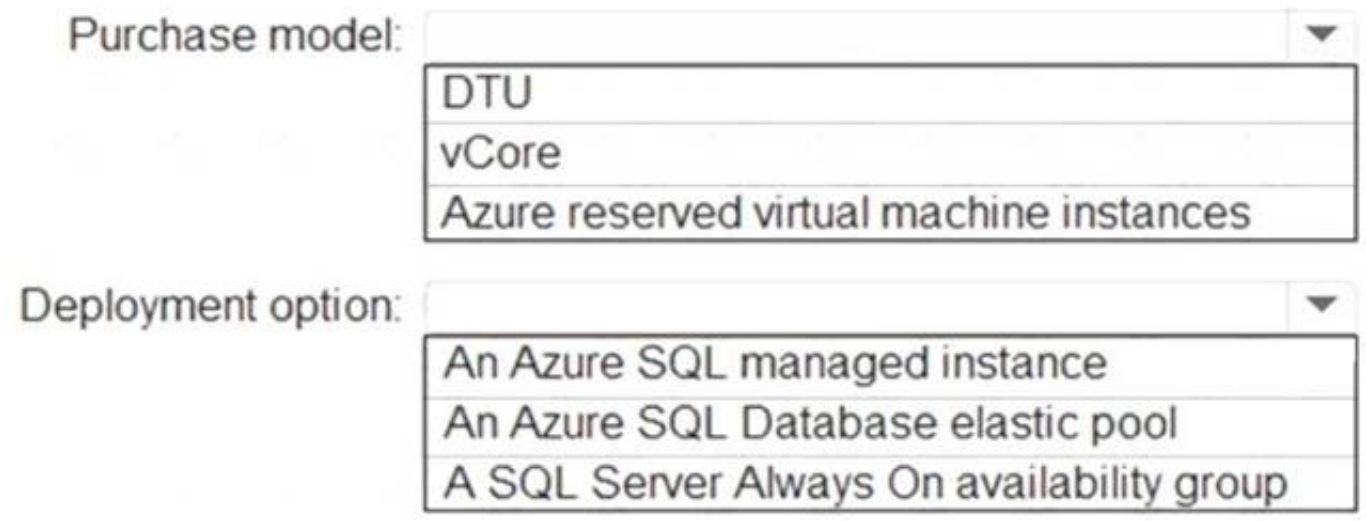
Answer: C

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 85
- (Exam Topic 5)
You manage a database environment for a Microsoft Volume Licensing customer named Contoso, Ltd. Contoso uses License Mobility through Software Assurance.
You need to deploy 50 databases. The solution must meet the following requirements:
- Support automatic scaling.
- Minimize Microsoft SQL Server licensing costs.

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



A. Mastered
B. Not Mastered

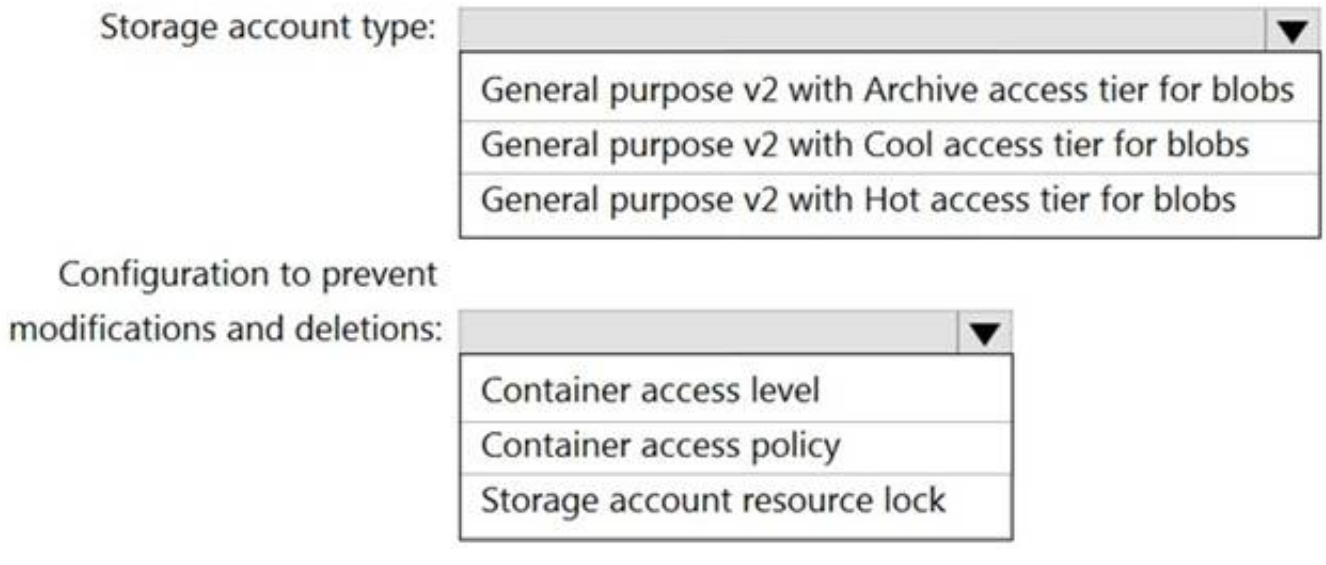
Answer: A

Explanation:
Text, table Description automatically generated
Box 1: vCore
Virtual core (vCore)-based purchasing model (recommended). This purchasing model provides a choice between a provisioned compute tier and a serverless compute tier. With the provisioned compute tier, you choose the exact amount of compute resources that are always provisioned for your workload. With the serverless compute tier, you specify the autoscaling of the compute resources over a configurable compute range
Box 2: An Azure SQL Database Elastic pool
Azure SQL Database provides the following deployment options for a database:
- Single database represents a fully managed, isolated database.
- Elastic pool is a collection of single databases with a shared set of resources, such as CPU or memory.

Single databases can be moved into and out of an elastic pool.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/purchasing-models

NEW QUESTION 86
- (Exam Topic 5)
You are planning an Azure Storage solution for sensitive data. The data will be accessed daily. The data set is less than 10 GB.
You need to recommend a storage solution that meets the following requirements:
• All the data written to storage must be retained for five years.
• Once the data is written, the data can only be read. Modifications and deletion must be prevented.
• After five years, the data can be deleted, but never modified.
• Data access charges must be minimized
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:
Graphical user interface, text, application Description automatically generated
Box 1: General purpose v2 with Archive acce3ss tier for blobs
Archive - Optimized for storing data that is rarely accessed and stored for at least 180 days with flexible latency requirements, on the order of hours.
Cool - Optimized for storing data that is infrequently accessed and stored for at least 30 days. Hot - Optimized for storing data that is accessed frequently.
Box 2: Storage account resource lock
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.
Note: You can set the lock level to CanNotDelete or ReadOnly. In the portal, the locks are called Delete and Read-only respectively.

- CanNotDelete means authorized users can still read and modify a resource, but they can't delete the resource.
- ReadOnly means authorized users can read a resource, but they can't delete or update the resource.

Applying this lock is similar to restricting all authorized users to the permissions granted by the Reader role.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers

NEW QUESTION 89
- (Exam Topic 5)
You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager resource deployment in your subscription. What should you include in the recommendation?

A. Azure Analysis Services
B. Application Insights
C. Azure Monitor action groups
D. Azure Log Analytics

Answer: D

Explanation:
Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.
Through activity logs, you can determine:

- what operations were taken on the resources in your subscription
- who started the operation
- when the operation occurred
- the status of the operation
- the values of other properties that might help you research the operation

Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/view-activity-logs https://docs.microsoft.com/en-us/azure/automation/change-tracking

NEW QUESTION 93
- (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 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.
You have an Azure Storage account that contains two 1-GB data files named File1 and File2. The data files are set to use the archive access tier.

You need to ensure that File1 is accessible immediately when a retrieval request is initiated. Solution: For File1, you set Access tier to Cool.
Does this meet the goal?

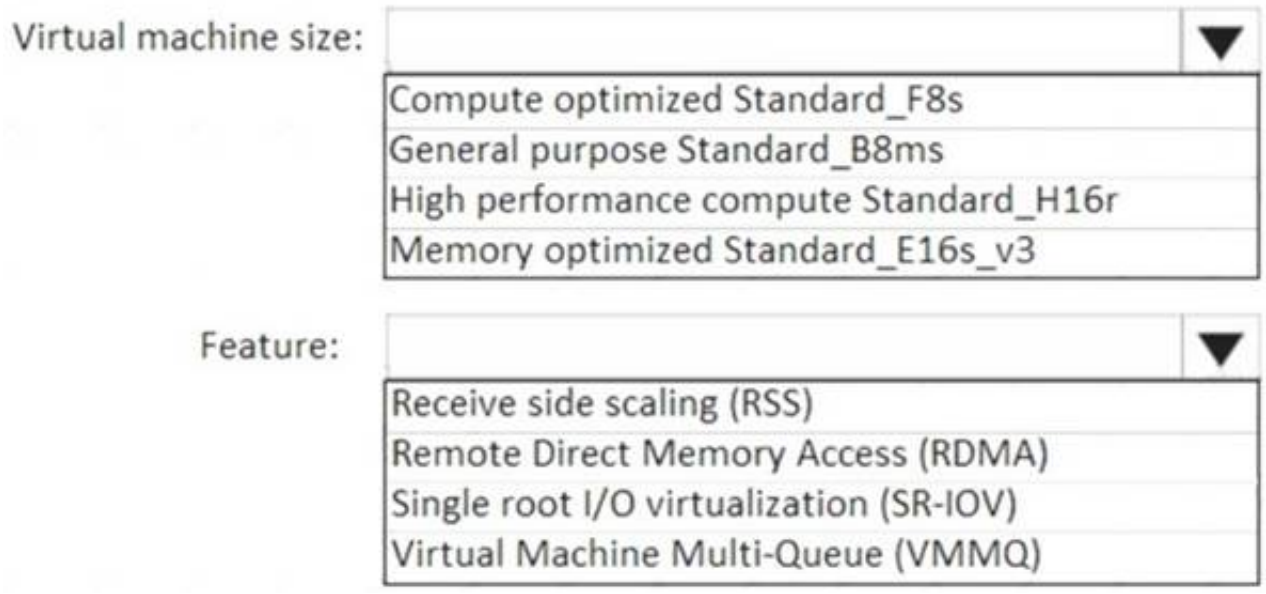
A. Yes
B. No

Answer: A

Explanation:
The data in the cool tier is "considered / intended to be stored for 30 days". But this is not a must. You can store data indefinitely in the cool tier. The mentioned reference (see below) even gives an example of large scientific or otherwise large data which is stored for long duration in the cool tier.
https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers?tabs=azure-portal

NEW QUESTION 99
- (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.

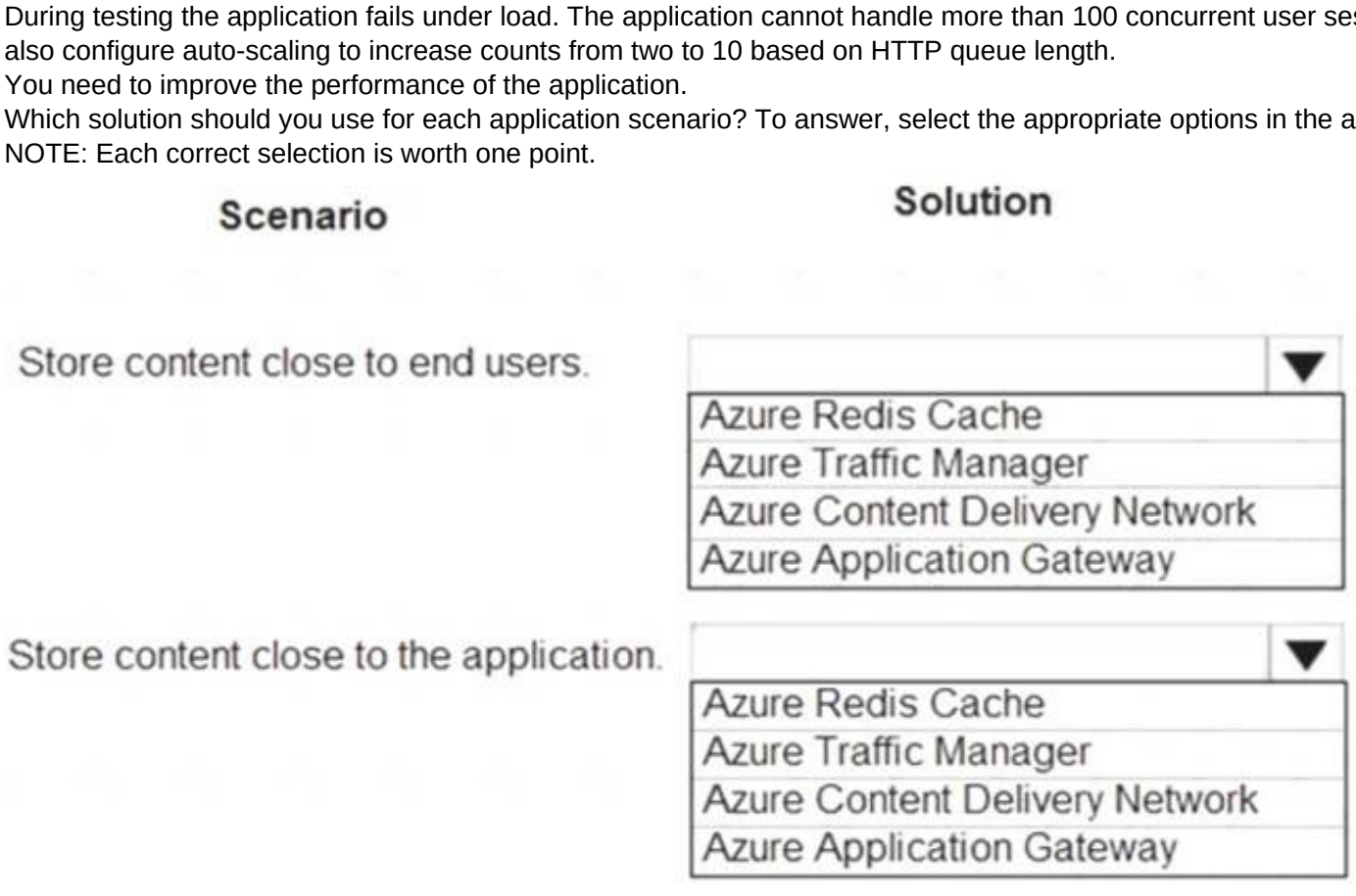


A. Mastered
B. Not Mastered

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 102
- (Exam Topic 5)
Your company deploys an Azure App Service Web App.
During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.
You need to improve the performance of the application.
Which solution should you use for each application scenario? 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 Description automatically generated with medium confidence
Box 1: Content Delivery Network
A content delivery network (CDN) is a distributed network of servers that can efficiently deliver web content to users. CDNs store cached content on edge servers in point-of-presence (POP) locations that are close to end users, to minimize latency.
Azure Content Delivery Network (CDN) offers developers a global solution for rapidly delivering
high-bandwidth content to users by caching their content at strategically placed physical nodes across the world. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network optimizations using CDN POPs. For example, route optimization to bypass Border Gateway Protocol (BGP).
Box 2: Azure Redis Cache
Azure Cache for Redis is based on the popular software Redis. It is typically used as a cache to improve the performance and scalability of systems that rely heavily on backend data-stores. Performance is improved by temporarily copying frequently accessed data to fast storage located close to the application. With Azure Cache for Redis, this fast storage is located in-memory with Azure Cache for Redis instead of being loaded from disk by a database.
References:
https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview

NEW QUESTION 103
- (Exam Topic 5)
You plan to deploy an Azure Databricks Data Science & Engineering workspace and ingest data into the workspace.
Where should you persist the ingested data?

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

Answer: B

Explanation:
The Azure Databricks Data Science & Engineering data lands in a data lake for long term persisted storage, in Azure Blob Storage or Azure Data Lake Storage.
Reference:
https://docs.microsoft.com/en-us/azure/databricks/scenarios/what-is-azure-databricks-ws

NEW QUESTION 107
- (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.
You are designing an Azure solution for a company that has four departments. Each department will deploy several Azure app services and Azure SQL databases.
You need to recommend a solution to report the costs for each department to deploy the app services and the databases. The solution must provide a consolidated view for cost reporting that displays cost broken down by department.
Solution: Create a separate resource group for each department. Place the resources for each department in its respective resource group.
Does this meet the goal?

A. Yes
B. No

Answer: B

Explanation:
Instead create a resources group for each resource type. Assign tags to each resource group.
Note: Tags enable you to retrieve related resources from different resource groups. This approach is helpful when you need to organize resources for billing or management.
Reference:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-using-tags

NEW QUESTION 109
- (Exam Topic 5)
You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.
You have an internal web app named WebApp1 that is hosted on-premises. WebApp1 uses Integrated Windows authentication.
Some users work remotely and do NOT have VPN access to the on-premises network.
You need to provide the remote users with single sign-on (SSO) access to WebApp1.
Which two features should you include in the solution? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Azure AD Application Proxy
B. Azure AD Privileged Identity Management (PIM)
C. Conditional Access policies
D. Azure Arc
E. Azure AD enterprise applications
F. Azure Application Gateway

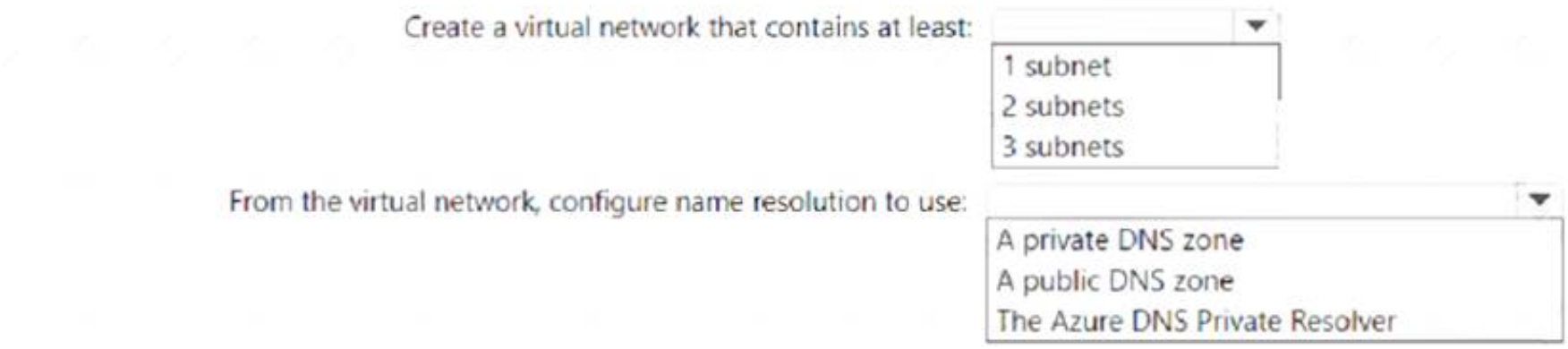
Answer: AC

Explanation:

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

NEW QUESTION 113
- (Exam Topic 5)
You have an Azure App Service web app named Webapp1 that connects to an Azure SQL database named DB1. Webapp1 and DB1 are deployed to the East US Azure region.
You need to ensure that all the traffic between Weoapp1 and DB1 is sent via a private connection. What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

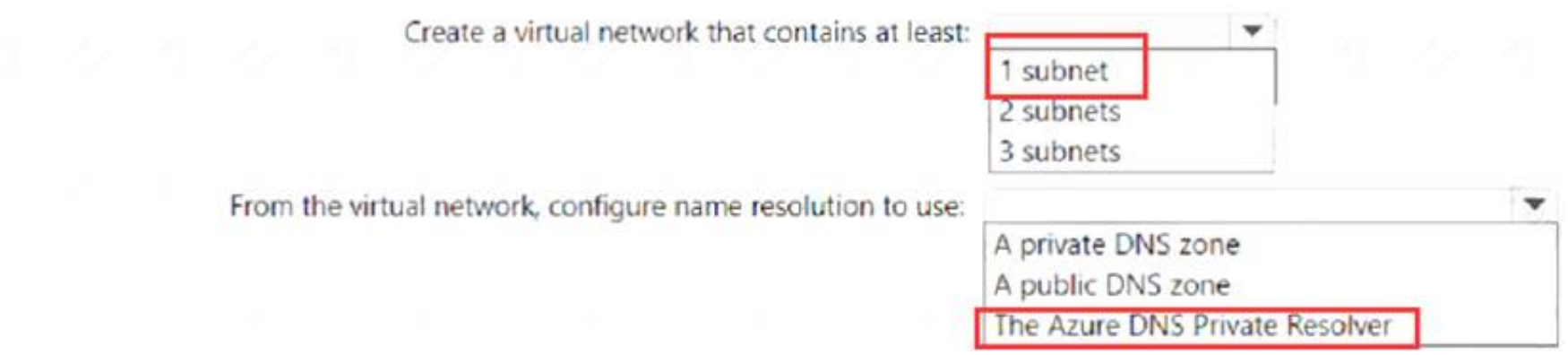
Answer Area



A. Mastered
B. Not Mastered

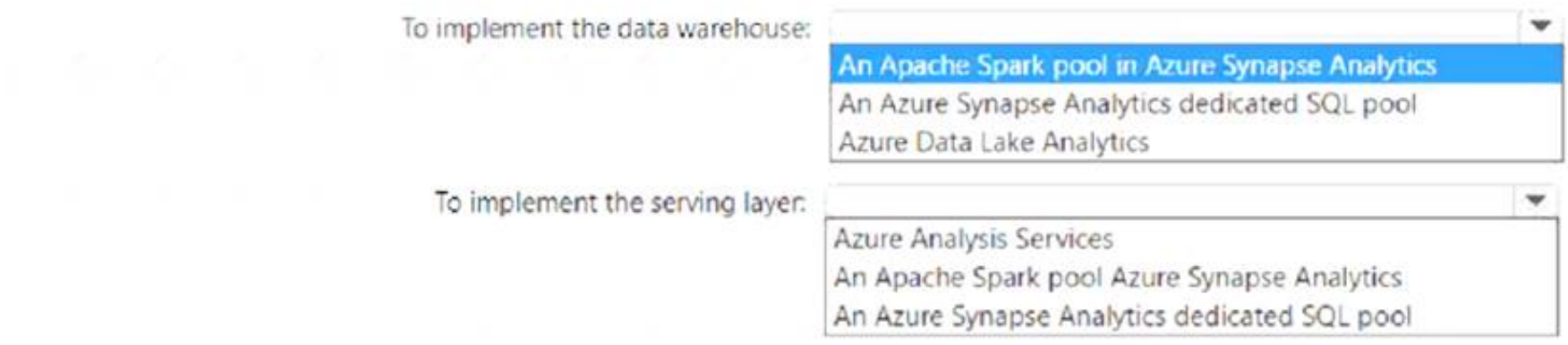
Answer: A

Explanation:
Answer Area



NEW QUESTION 115
- (Exam Topic 5)
You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:
• Database updates will be exported periodically into a staging area in Azure Blob storage.
• Data from the blob storage will be cleansed and transformed by using a highly parallelized load process.
• The transformed data will be loaded to a data warehouse.
• Each batch of updates will be used to refresh an online analytical processing (OLAP) model in a managed serving layer.
• The managed serving layer will be used by thousands of end users. You need to implement the data warehouse and serving layers.
What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

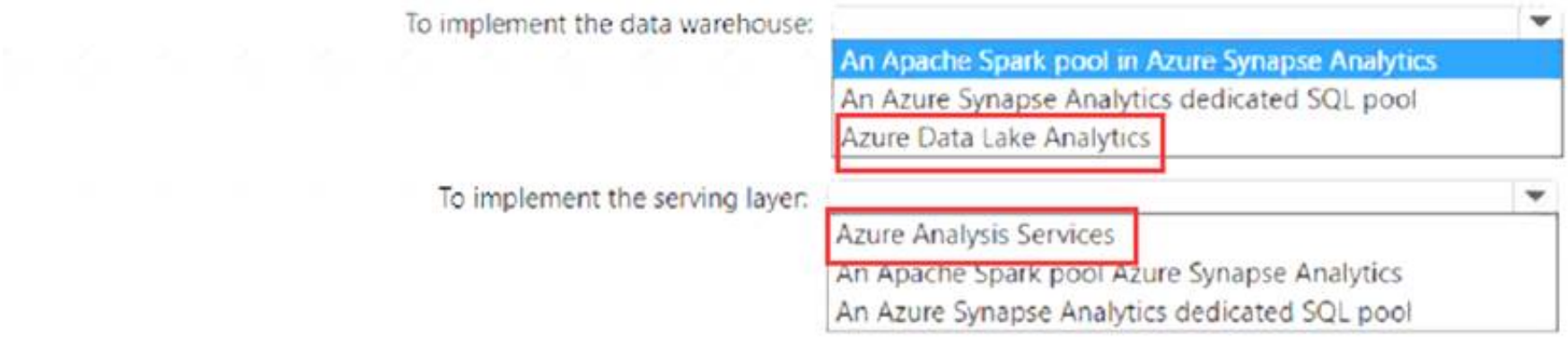
Answer Area



A. Mastered
B. Not Mastered

Answer: A

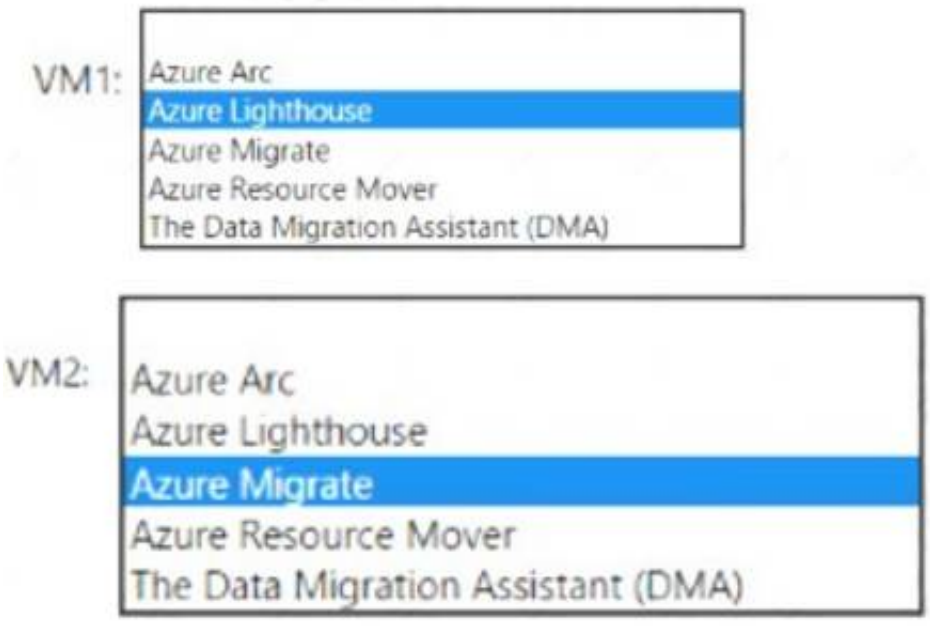
Explanation:



NEW QUESTION 119
- (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*

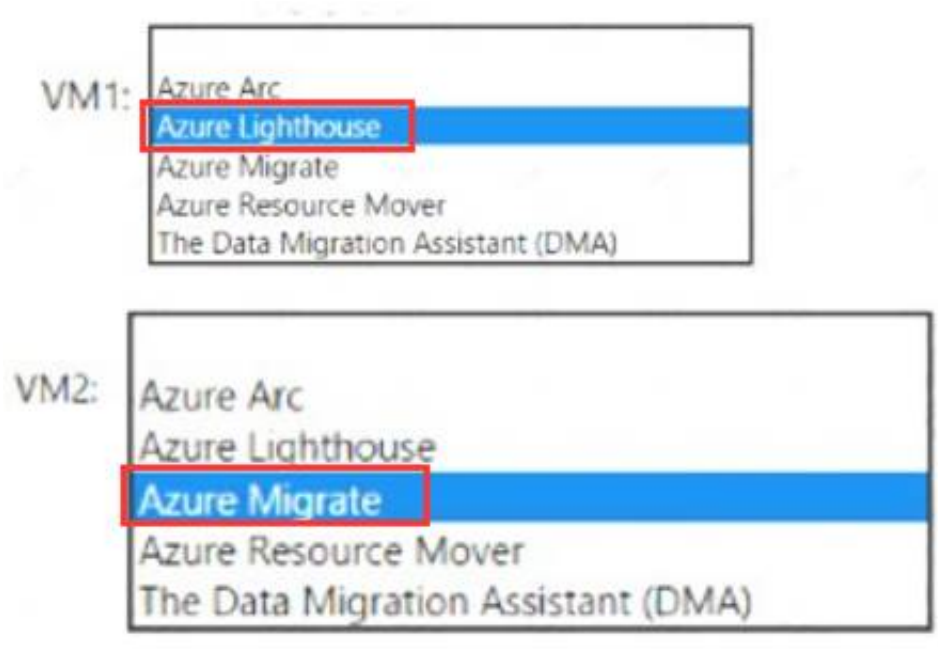
You create a new resource group in Azure named RG2. You need to move the virtual machines to RG2.
What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

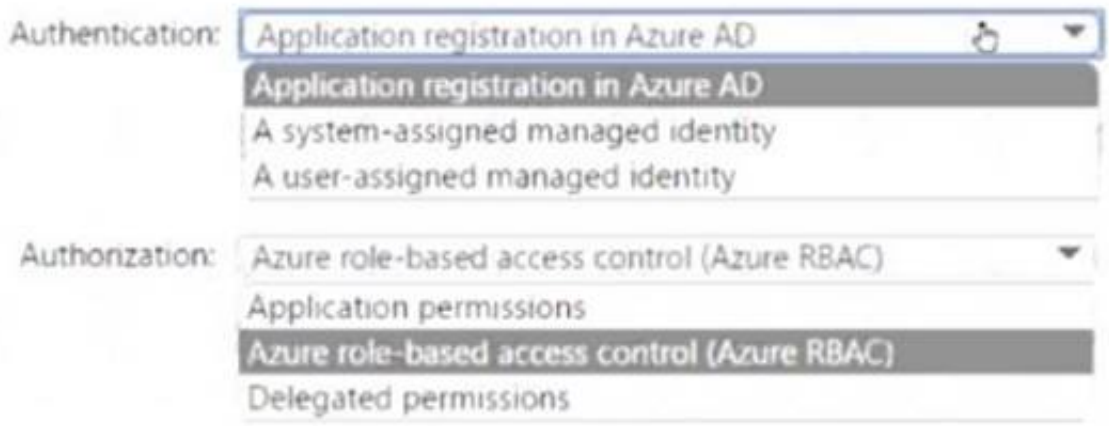
Answer: A

Explanation:



NEW QUESTION 120
- (Exam Topic 5)
You have an Azure subscription named Sub1 that is linked to an Azure AD tenant named contoso.com.
You plan to implement two ASP.NET Core apps named App1 and App2 that will be deployed to 100 virtual machines in Sub1. Users will sign in to App1 and App2

by using their contoso.com credentials.
App1 requires read permissions to access the calendar of the signed-m user. App2 requires write permissions to access the calendar of the signed-in user.
You need to recommend an authentication and authorization solution for the apps. The solution must meet the following requirements:
• Use the principle of least privilege.
• Minimize administrative effort
What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one pent.
Answer Area



A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 124
- (Exam Topic 5)
You use Azure virtual machines to run a custom application that uses an Azure SQL database on the back end. The IT apartment at your company recently enabled forced tunneling,
Since the configuration change, developers have noticed degraded performance when they access the database
You need to recommend a solution to minimize latency when accessing the database. The solution must minimize costs
What should you include in the recommendation?

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

Answer: D

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

NEW QUESTION 126
- (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 130
- (Exam Topic 5)
You need to design an Azure policy that will implement the following functionality:
• For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.
• For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.
• For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values. The solution must use the principle of least privilege.
What should you include in the design? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Azure Policy effect to use:
- Append
- EnforceOPAConstraint
- EnforceRegoPolicy
- Modify

Azure Active Directory (Azure AD) object and RBAC role to use for the remediation tasks:
- A managed identity with the Contributor role
- A managed identity with the User Access Administrator role
- A service principal with the Contributor role
- A service principal with the User Access Administrator role

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application, chat or text message Description automatically generated
Box 1: Modify
Modify is used to add, update, or remove properties or tags on a resource during creation or update. A common example is updating tags on resources such as costCenter. Existing non-compliant resources can be remediated with a remediation task. A single Modify rule can have any number of operations.
Box 2: A managed identity with the Contributor role

- Managed identity

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

- Contributor role

The Contributor role grants the required access to apply tags to any entity. Reference:
https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-resources https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects#modify

NEW QUESTION 133
- (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

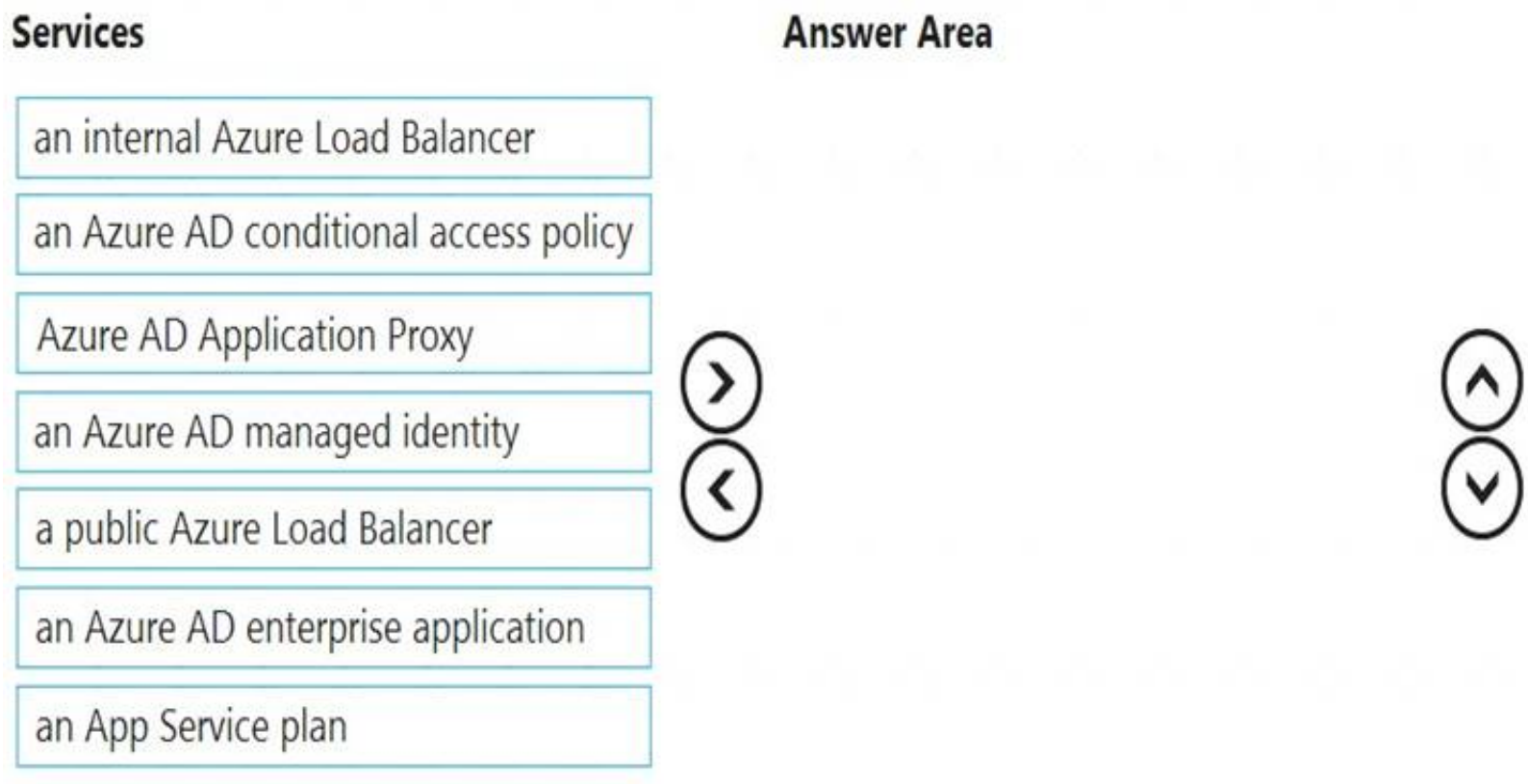
Explanation:
Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share.
You need an Azure file share 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 136
- (Exam Topic 5)
You have 100 devices that write performance data to Azure Blob Storage.
You plan to store and analyze the performance data in an Azure SQL database.
You need to recommend a solution to continually copy the performance data to the Azure SQL database. What should you include in the recommendation?

A. Azure Database Migration Service
B. Azure Data Box
C. Data Migration Assistant (DMA)
D. Azure Data Factory

Answer: D

NEW QUESTION 141
- (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 144
- (Exam Topic 5)
You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2012 R2 instances. The instances host databases that have the following characteristics:

- The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.
- Stored procedures are implemented by using CLR.

You plan to move all the data from SQL Server to Azure.
You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

- Whenever possible, minimize management overhead for the migrated databases.
- Minimize the number of database changes required to facilitate the migration.
- Ensure that users can authenticate by using their Active Directory credentials.

What should you include in the recommendation?

A. Azure SQL Database single databases
B. Azure SQL Database Managed Instance
C. Azure SQL Database elastic pools
D. SQL Server 2016 on Azure virtual machines

Answer: B

Explanation:

References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance
SQL Managed Instance allows existing SQL Server customers to lift and shift their on-premises applications to the cloud with minimal application and database changes. At the same time, SQL Managed Instance preserves all PaaS capabilities (automatic patching and version updates, automated backups, high availability) that drastically reduce management overhead and TCO.
https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/transact-sql-tsql-differences-sql-server#clr https://docs.microsoft.com/en-gb/azure/azure-sql/database/transact-sql-tsql-differences-sql-server#transact-sql-s

NEW QUESTION 147
- (Exam Topic 5)
You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.
You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.
What should you include in the recommendation?

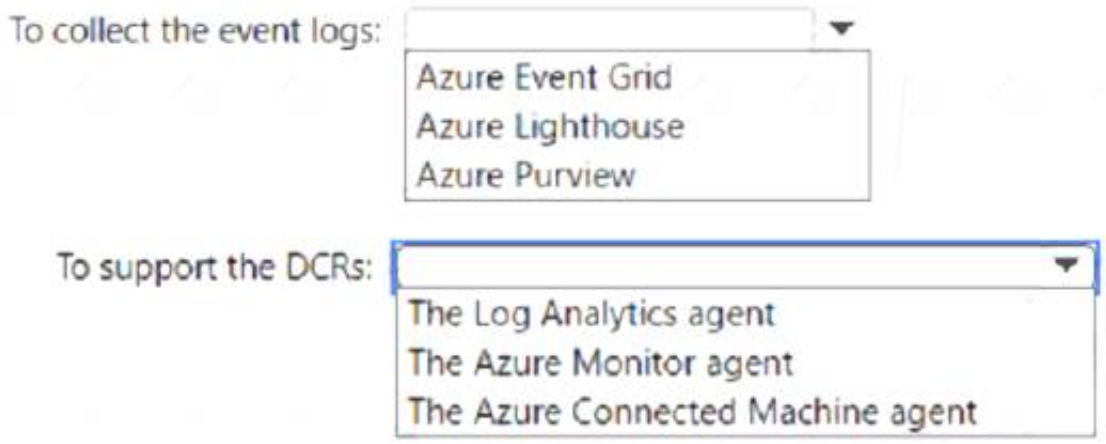
A. Azure Service Bus
B. Azure Blob storage
C. Azure Notification Hubs
D. Azure Application Gateway

Answer: A

Explanation:
Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.
Reference:
https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions
" Service Bus offers a reliable and secure platform for asynchronous transfer of data and state." ... "Service Bus supports standard AMQP 1.0 and HTTP/REST protocols."
https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-messaging-overview

NEW QUESTION 148
- (Exam Topic 5)
You have five Azure subscriptions. Each subscription is linked to a separate Azure AD tenant and contains virtual machines that run Windows Server 2022.
You plan to collect Windows security events from the virtual machines and send them to a single Log Analytics workspace.
You need to recommend a solution that meets the following requirements:
• Collects event logs from multiple subscriptions
• Supports the use of data collection rules (DCRs) to define which events to collect
What should you recommend for each requirement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

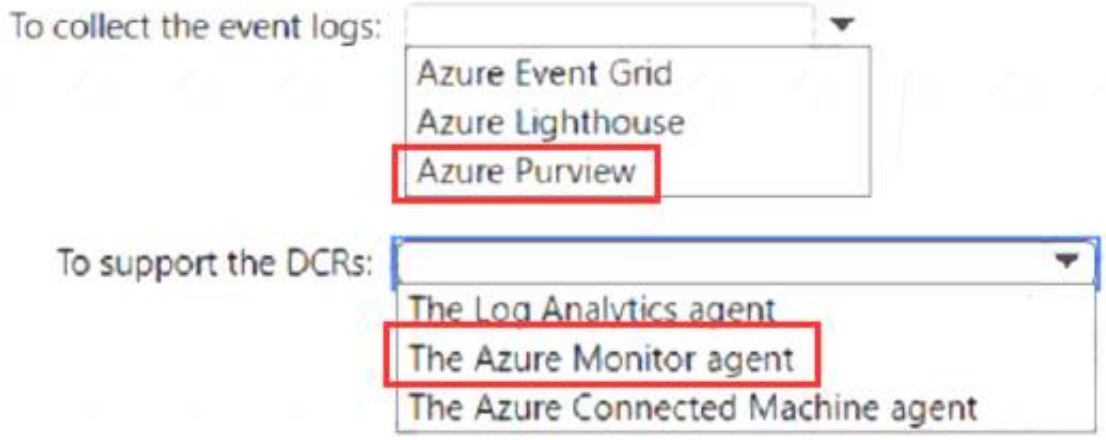


A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 153
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