

Microsoft

Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions



NEW QUESTION 1

- (Exam Topic 5)

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

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a Azure virtual machine scale set that uses autoscaling.

Does this meet the goal?

- A. Yes
B. No

Answer: B

Explanation:

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

NEW QUESTION 2

- (Exam Topic 5)

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

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

What should you recommend?

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

Answer: C

Explanation:

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

Max file in Blob Storage. 4.77 TB. Reference:

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

NEW QUESTION 3

- (Exam Topic 5)

Your company currently has an application that is hosted on their on-premises environment. The application currently connects to two databases in the on-premises environment. The databases are named whizlabdb1 and whizlabdb2.

You have to move the databases onto Azure. The databases have to support server-side transactions across both of the databases.

Solution: You decide to deploy the databases to an Azure SQL database-managed instance. Would this fulfill the requirement?

- A. Yes
B. No

Answer: A

NEW QUESTION 4

- (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 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 SQL database. You plan to use Azure reservations on the Azure SQL database.

To which resource type will the reservation discount be applied?

- A. vCore compute
- B. DTU compute
- C. Storage
- D. License

Answer: A

Explanation:

Quantity: The amount of compute resources being purchased within the capacity reservation. The quantity is a number of vCores in the selected Azure region and Performance tier that are being reserved and will get the billing discount. For example, if you run or plan to run multiple databases with the total compute capacity of Gen5 16 vCores in the East US region, then you would specify the quantity as 16 to maximize the benefit for all the databases.

Reference:

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

NEW QUESTION 7

- (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.

VM1:

Azure Arc

Azure Lighthouse

Azure Migrate

Azure Resource Mover

The Data Migration Assistant (DMA)

VM2:

Azure Arc

Azure Lighthouse

Azure Migrate

Azure Resource Mover

The Data Migration Assistant (DMA)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

VM1:

Azure Arc

Azure Lighthouse

Azure Migrate

Azure Resource Mover

The Data Migration Assistant (DMA)

VM2:

Azure Arc

Azure Lighthouse

Azure Migrate

Azure Resource Mover

The Data Migration Assistant (DMA)

NEW QUESTION 8

- (Exam Topic 5)
You plan to archive 10 TB of on-premises data files to Azure.
You need to recommend a data archival solution. The solution must minimize the cost of storing the data files. Which Azure Storage account type should you include in the recommendation?

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

Answer: A

Explanation:

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

NEW QUESTION 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 have an Azure App Service web app that uses a system-assigned managed identity.

You need to recommend a solution to store their settings of the web app as secrets in an Azure key vault The solution must meet the following requirements:

- Minimize changes to the app code,
- Use the principle of least privilege.

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

Answer Area

Key Vault integration method:

Key Vault references in Application settings

Key Vault references in Appsettings.json

Key Vault references in Web.config

Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get

Keys: List and Get

Secrets: Get

Secrets: List and Get

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Key Vault integration method:

Key Vault references in Application settings

Key Vault references in Appsettings.json

Key Vault references in Web.config

Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get

Keys: List and Get

Secrets: Get

Secrets: List and Get

NEW QUESTION 10

- (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 13

- (Exam Topic 5)

You have an Azure subscription that contains a Basic Azure virtual WAN named Virtual/WAN1 and the virtual hubs shown in the following table.

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East region.
 You need to create an ExpressRoute association to VirtualWAN1. What should you do first?

- A. Upgrade VirtualWAN1 to Standard.
- B. Create a gateway on Hub1.
- C. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

Answer: A

Explanation:

US East and US West are in the same geopolitical region so there is no need for enabling ExpressRoute premium add-on <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about#basicstandard>
 The current config of virtual WAN is only Basic as given, so it can connect to only site to site VPN, to connect to express route it needs to be upgraded from basic to standard.
<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>
<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

NEW QUESTION 15

- (Exam Topic 5)

You have an Azure subscription that is linked to an Azure Active Directory Premium Plan 2 tenant The tenant has multi-factor authentication (MFA) enabled for all users.

You have the named locations shown in the following table.

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

You have the users shown in the following table.

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

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

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 18

- (Exam Topic 5)

A company needs a datastore created in Azure for an application. Below are the key requirements for the data store.

- Ability to store JSON based items
- Ability to use SQL like queries on the datastore
- Ability to provide low latency access to data items

Which of the following would you consider as the data store?

- A. Azure BLOB storage
- B. Azure CosmosDB
- C. Azure HDInsight
- D. Azure Redis

Answer: B

NEW QUESTION 20

- (Exam Topic 5)

You plan to move a web application named App1 from an on-premises data center to Azure. App1 depends on a custom COM component that is installed on the host server.

You need to recommend a solution to host App1 in Azure. The solution must meet the following requirements:

- > App1 must be available to users if an Azure data center becomes unavailable.
- > Costs must be minimized.

What should you include in the recommendation?

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

Answer: 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 21

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

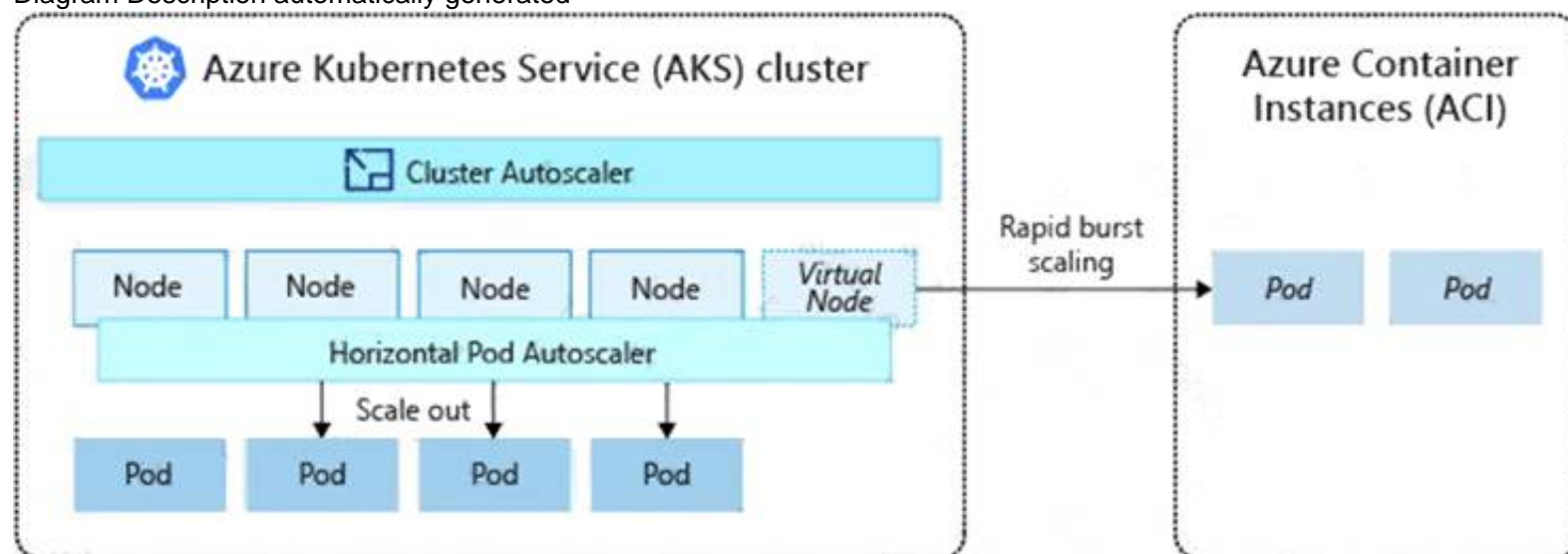
Answer: D

Explanation:

Azure Container Instances (ACI) lets you quickly deploy container instances without additional infrastructure overhead. When you connect with AKS, ACI becomes a secured, logical extension of your AKS cluster. The virtual nodes component, which is based on Virtual Kubelet, is installed in your AKS cluster that presents ACI as a virtual Kubernetes node. Kubernetes can then schedule pods that run as ACI instances through virtual nodes, not as pods on VM nodes directly in your AKS cluster.

Your application requires no modification to use virtual nodes. Deployments can scale across AKS and ACI and with no delay as cluster autoscaler deploys new nodes in your AKS cluster.

Diagram Description automatically generated



Note: AKS clusters can scale in one of two ways:

- > The cluster autoscaler watches for pods that can't be scheduled on nodes because of resource constraints. The cluster then automatically increases the number of nodes.

- > The horizontal pod autoscaler uses the Metrics Server in a Kubernetes cluster to monitor the resource demand of pods. If an application needs more resources, the number of pods is automatically increased to meet the demand.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/concepts-scale5>

NEW QUESTION 23

- (Exam Topic 5)

You have the Azure resources shown in the following table.

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

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

Azure configuration:

Configure VM1 to forward contoso.com to the public DNS zone.
 Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16.
 In VNet1, configure a custom DNS server set to the Azure-provided DNS at 168.63.129.16.

On-premises DNS configuration:

Forward contoso.com to VM1.
 Forward contoso.com to the public DNS zone.
 Forward contoso.com to the Azure-provided DNS at 168.63.129.16.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure configuration:

Configure VM1 to forward contoso.com to the public DNS zone.
 Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16.
 In VNet1, configure a custom DNS server set to the Azure-provided DNS at 168.63.129.16.

On-premises DNS configuration:

Forward contoso.com to VM1.
 Forward contoso.com to the public DNS zone.
 Forward contoso.com to the Azure-provided DNS at 168.63.129.16.

NEW QUESTION 26

- (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 Activity Log
- B. Azure Monitor action groups
- C. Azure Advisor
- D. Azure Monitor metrics

Answer: A

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 29

- (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 32

- (Exam Topic 5)
You have an Azure subscription that contains the SQL servers shown in the following table.

Name	Resource group	Location
SQLsvr1	RG1	East US
SQLsvr2	RG2	West US

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

Name	Resource group	Location	Account kind
storage1	RG1	East US	StorageV2 (general purposev2)
storage2	RG2	Central US	BlobStorage

You create the Azure SQL databases shown in the following table.

Name	Resource group	Server	Pricing tier
SQLdb1	RG1	SQLsvr1	Standard
SQLdb2	RG1	SQLsvr1	Standard
SQLdb3	RG2	SQLsvr2	Premium

Answer Area

Statements

Yes

No

When you enable auditing for SQLdb1, you can store the audit information to storage1.

☐
☐

When you enable auditing for SQLdb2, you can store the audit information to storage2.

☐
☐

When you enable auditing for SQLdb3, you can store the audit information to storage2.

☐
☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
 Be sure that the destination is in the same region as your database and server.
 Box 2: No
 Box 3: Yes
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auditing>
 Reference:
<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auditing>
[https://docs.microsoft.com/en-us/previous-versions/azure/dn741340\(v=azure.100\)?redirectedfrom=MSDN](https://docs.microsoft.com/en-us/previous-versions/azure/dn741340(v=azure.100)?redirectedfrom=MSDN)

NEW QUESTION 34

- (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 identify the following technical requirements.
 > All Azure virtual machines must be placed on the same subnet subnet1.
 > All the Azure virtual machines must be able to communicate with all on premises severs.
 > The servers must be able to communicate between the on-premises network and Azure by using a site to site VPN.
 You need to recommend a subnet design that meets the technical requirements.
 What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnet. Each network address may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.
 NOTE: Each correct selection is worth one point.

Network Addresses

172.16.0.0/16

172.16.1.0/28

192.168.0.0/24

192.168.1.0/28

Answer Area

Subnet1:

Network address

Gateway subnet:

Network address

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated

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	SstorageV2	Premium
storage3	BlobStorage	Standard
storage4	FileStorage	Premium

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

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

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

App1:

Storage1 and storage2 only
Storage1 and storage3 only
Storage1, storage2, and storage3 only
Storage1, storage2, storage3, and storage4

App2:

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

- 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)

You have an Azure subscription that contains a custom application named Application1. The application was developed by an external company named Fabric, Ltd. Developers at Fabrikam were assigned role-based access control (RBAC) permissions to the Application1 components. All users are licensed for the Microsoft 365 E5 plan. You need to recommend a solution to verify whether the Fabric developers still require permissions to Application1. The solution must meet 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 43

- (Exam Topic 5)

You plan to store data in Azure Blob storage for many years. The stored data will be accessed rarely. You need to ensure that the data in Blob storage is always available for immediate access. The solution must minimize storage costs. Which storage tier should you use?

- A. Cool
 B. Archive
 C. Hot

Answer: A

Explanation:

Azure cool tier is equivalent to the Amazon S3 Infrequent Access (S3-IA) storage in AWS that provides a low cost high performance storage for infrequently accessed data.
 Note: Azure's cool storage tier, also known as Azure cool Blob storage, is for infrequently-accessed data that needs to be stored for a minimum of 30 days.

Typical use cases include backing up data before tiering to archival systems, legal data, media files, system audit information, datasets used for big data analysis and more.

The storage cost for this Azure cold storage tier is lower than that of hot storage tier. Since it is expected that the data stored in this tier will be accessed less frequently, the data access charges are high when compared to hot tier. There are no additional changes required in your applications as these tiers can be accessed using APIs in the same manner that you access Azure storage.

References:

<https://cloud.netapp.com/blog/low-cost-storage-options-on-azure>

NEW QUESTION 44

- (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.

Values	Answer Area	
<div>Web Application Firewall (WAF)</div>	Item	Value
<div>Azure Application Gateway</div>	Azure service	<div></div>
<div>Azure Load Balancer</div>	Feature	<div></div>
<div>Azure Traffic Manager</div>		
<div>SSL offloading</div>		
<div>URL-based content routing</div>		

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 Firewall (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 48

- (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: Use Azure Network Watcher to run IP flow verify to analyze the network traffic

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

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

Note:

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

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

Reference:

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

NEW QUESTION 50

- (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 55

- (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 59

- (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 61

- (Exam Topic 5)

You have to design a Data Engineering solution for your company. The company currently has an Azure subscription. They also have application data hosted in a database on a Microsoft SQL Server hosted in their on-premises data center server. They want to implement the following requirements Transfer transactional data from the on-premises SQL server onto a data warehouse in Azure. Data needs to be transferred every day in the night as a scheduled job
 A managed Spark cluster needs to be in place for data engineers to perform analysis on the data stored in the SQL data warehouse. Here the data engineers should have the ability to develop notebooks in Scale, R and Python.
 They also need to have a data lake store in place for the ingestion of data from multiple data sources Which of the following would the use for hosting the data warehouse in Azure?

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

Answer: D

NEW QUESTION 66

- (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 68

- (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 70

- (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 72

- (Exam Topic 5)

You have an Azure subscription that contains a Basic Azure virtual WAN named Virtual/WAN1 and the virtual hubs shown in the following table.

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East region.

You need to create an ExpressRoute association to VirtualWAN1. What should you do first?

- A. Upgrade VirtualWAN1 to Standard.
- B. Create a gateway on Hub1.
- C. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

Answer: A

Explanation:

US East and US West are in the same geopolitical region so there is no need for enabling ExpressRoute premium add-on <https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about#basicstandard>

The current config of virtual WAN is only Basic as given, so it can connect to only site to site VPN, to connect to express route it needs to be upgraded from basic to standard.

<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

<https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about>

NEW QUESTION 75

- (Exam Topic 5)

Your company has the divisions shown in the following table.

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

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

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

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

What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Management groups:

1

2

3

4

Blueprint definitions:

1

2

3

4

Blueprint assignments:

1

2

3

4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: 2

One management group for East, and one for West.

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

Box 2: 2

Box 3: 4

One assignment for each subscription.

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

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

NEW QUESTION 80

- (Exam Topic 5)

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

You plan to Stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing Of the events Output Of Event Hubs

Capture will be

consumed by a reporting system.

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

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

Storage type:

Premium block blobs

Premium file shares

Data format:

Apache Parquet

Avro

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Storage type:

Premium block blobs

Premium file shares

Data format:

Apache Parquet

Avro

NEW QUESTION 83

- (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 87

- (Exam Topic 5)

You have an on-premises database that you plan to migrate to Azure.

You need to design the database architecture to meet the following requirements:

- Support scaling up and down.
- Support geo-redundant backups.
- Support a database of up to 75 TB.
- Be optimized for online transaction processing (OLTP).

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

NOTE: Each correct selection is worth one point.

Answer Area

Service:

	▼
Azure SQL Database	
Azure SQL Managed Instance	
Azure Synapse Analytics	
SQL Server on Azure Virtual Machines	

Service tier:

	▼
Basic	
Business Critical	
General Purpose	
Hyperscale	
Premium	
Standard	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure SQL Database Azure SQL Database:

Database size always depends on the underlying service tiers (e.g. Basic, Business Critical, Hyperscale). It supports databases of up to 100 TB with Hyperscale service tier model.

Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.

Azure SQL Database and SQL Managed Instance enable you to dynamically add more resources to your database with minimal downtime.

Box 2: Hyperscale Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview> <https://medium.com/awesome-azure/azure-difference-between-azure-sql-database-and-sql-server-on-vm-compar>

NEW QUESTION 89

- (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.

Deployment solution:

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

Resiliency solution:

Auto-failover group
Active geo-replication
Zone-redundant deployment

- 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 94

- (Exam Topic 5)

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

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

Which deployment option should you use?

- A. Azure SQL Database Premium
 B. Azure SQL Database Hyperscale
 C. Azure SQL Database Basic
 D. Azure SQL Managed Instance Business Critical

Answer: D

NEW QUESTION 97

- (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 101

- (Exam Topic 5)

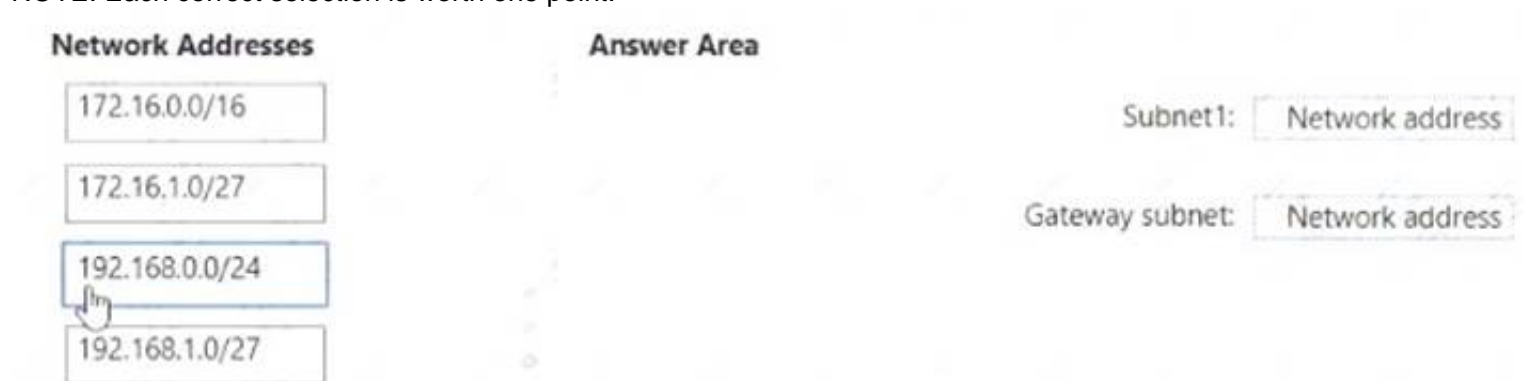
You have an on-premises network that uses an IP address space of 172.16.0.0/16. You plan to deploy 25 virtual machines to a new Azure subscription. You identify the following technical requirements:

- All Azure virtual machines must be placed on the same subnet named Subnet1.
- All the Azure virtual machines must be able to communicate with all on-premises servers.
- The servers must be able to communicate between the on-premises network and Azure by using a site-to-site VPN.

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

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnets. 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:

Network Addresses

172.16.0.0/16

172.16.1.0/27

192.168.0.0/24

192.168.1.0/27

Answer Area

Subnet1: 192.168.0.0/24

Gateway subnet: 192.168.1.0/27

NEW QUESTION 102

- (Exam Topic 5)

You are designing an Azure web app.

You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region. You need to recommend a solution for the web app. The solution must meet the following requirements:

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

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

NOTE: Each correct selection is worth one point.

Request routing method:

▼

A Traffic Manager profile

Azure Application Gateway

Azure Load Balancer

Request routing configuration:

▼

Cookie-based session affinity

Performance traffic routing

Priority traffic routing

Weighted traffic routing

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated
<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods#priority-traffic-routing>

NEW QUESTION 106

- (Exam Topic 5)

You have SQL Server on an Azure virtual machine. The databases are written to nightly as part of a batch process.

You need to recommend a disaster recovery solution for the data. The solution must meet the following requirements:

- > Provide the ability to recover in the event of a regional outage.
- > Support a recovery time objective (RTO) of 15 minutes.
- > Support a recovery point objective (RPO) of 24 hours.
- > Support automated recovery.
- > Minimize costs.

What should you include in the recommendation?

- A. Azure virtual machine availability sets
- B. Azure Disk Backup
- C. an Always On availability group
- D. Azure Site Recovery

Answer: D

Explanation:

Replication with Azure Site Recover:

- > RTO is typically less than 15 minutes.
- > RPO: One hour for application consistency and five minutes for crash consistency. Reference: <https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-sql>

NEW QUESTION 108

- (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: Use the Azure Traffic Analytics solution in Azure Log Analytics to analyze the network traffic. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

NEW QUESTION 112

- (Exam Topic 5)

You have an Azure subscription that contains an Azure SQL database.

You are evaluating whether to use Azure reservations on the Azure SQL database. Which tool should you use to estimate the potential savings?

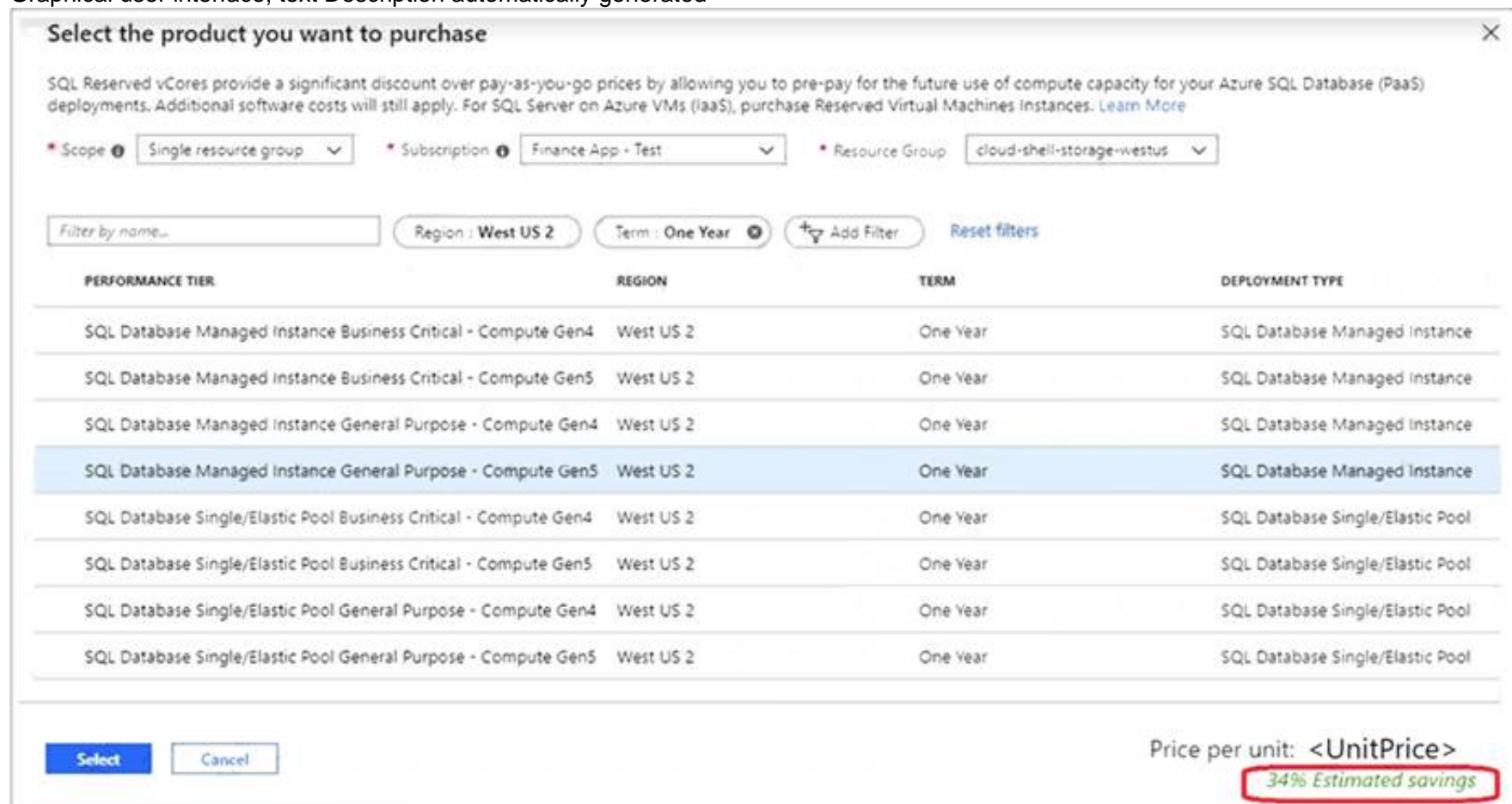
- A. The Purchase reservations blade in the Azure portal
- B. The Advisor blade in the Azure portal
- C. The SQL database blade in the Azure portal

Answer: A

Explanation:

Buy reserved capacity

- Sign in to the Azure portal.
 - Select All services > Reservations.
 - Select Add and then in the Purchase Reservations pane, select SQL Database to purchase a new reservation for SQL Database.
 - Fill in the required fields. Existing databases in SQL Database and SQL Managed Instance that match the attributes you select qualify to get the reserved capacity discount. The actual number of databases or managed instances that get the discount depends on the scope and quantity selected.
- Graphical user interface, text Description automatically generated



Select the product you want to purchase

SQL Reserved vCores provide a significant discount over pay-as-you-go prices by allowing you to pre-pay for the future use of compute capacity for your Azure SQL Database (PaaS) deployments. Additional software costs will still apply. For SQL Server on Azure VMs (IaaS), purchase Reserved Virtual Machines Instances. [Learn More](#)

• Scope: Single resource group • Subscription: Finance App - Test • Resource Group: cloud-shell-storage-westus

Filter by name: Region: West US 2 Term: One Year Add Filter Reset filters

PERFORMANCE TIER	REGION	TERM	DEPLOYMENT TYPE
SQL Database Managed Instance Business Critical - Compute Gen4	West US 2	One Year	SQL Database Managed Instance
SQL Database Managed Instance Business Critical - Compute Gen5	West US 2	One Year	SQL Database Managed Instance
SQL Database Managed Instance General Purpose - Compute Gen4	West US 2	One Year	SQL Database Managed Instance
SQL Database Managed Instance General Purpose - Compute Gen5	West US 2	One Year	SQL Database Managed Instance
SQL Database Single/Elastic Pool Business Critical - Compute Gen4	West US 2	One Year	SQL Database Single/Elastic Pool
SQL Database Single/Elastic Pool Business Critical - Compute Gen5	West US 2	One Year	SQL Database Single/Elastic Pool
SQL Database Single/Elastic Pool General Purpose - Compute Gen4	West US 2	One Year	SQL Database Single/Elastic Pool
SQL Database Single/Elastic Pool General Purpose - Compute Gen5	West US 2	One Year	SQL Database Single/Elastic Pool

Select Cancel

Price per unit: <UnitPrice> **34% Estimated savings**

- Review the cost of the capacity reservation in the Costs section. Select Purchase.
- Select View this Reservation to see the status of your purchase.
- Reference:

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

NEW QUESTION 116

- (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 119

- (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 120

- (Exam Topic 5)

You have an on-premises Microsoft SQL server named SQL1 that hosts 50 databases.

You plan to migrate SQL 1 to Azure SQL Managed Instance.

You need to perform an offline migration of SQL 1. The solution must minimize administrative effort. What should you include in the solution?

- A. SQL Server Migration Assistant (SSMA)
- B. Azure Migrate
- C. Data Migration Assistant (DMA)
- D. Azure Database Migration Service

Answer: D

Explanation:

This Azure service supports migration in the offline mode for applications that can afford downtime during the migration process. Unlike the continuous migration in online mode, offline mode migration runs a one-time restore of a full database backup from the source to the target

<https://learn.microsoft.com/en-us/azure/azure-sql/migration-guides/managed-instance/sql-server-to-managed-ins>

NEW QUESTION 124

- (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: Use the Azure Traffic Analytics solution in Azure Log Analytics to analyze the network traffic. Does the solution meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

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

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

NEW QUESTION 128

- (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 131

- (Exam Topic 5)

You are designing a solution that will include containerized applications running in an Azure Kubernetes Service (AKS) cluster.

You need to recommend a load balancing solution for HTTPS traffic. The solution must meet the following requirements:

- Automatically configure load balancing rules as the applications are deployed to the cluster.
- Support Azure Web Application Firewall (WAF).
- Support cookie-based affinity.
- Support URL routing.

What should you include in the recommendation?

- A. an NGINX ingress controller
- B. Application Gateway Ingress Controller (AGIC)
- C. an HTTP application routing ingress controller
- D. the Kubernetes load balancer service

Answer: B

Explanation:

Much like the most popular Kubernetes Ingress Controllers, the Application Gateway Ingress Controller provides several features, leveraging Azure's native Application Gateway L7 load balancer. To name a few:

- URL routing
- Cookie-based affinity
- Secure Sockets Layer (SSL) termination
- End-to-end SSL
- Support for public, private, and hybrid web sites
- Integrated support of Azure web application firewall

Application Gateway redirection support isn't limited to HTTP to HTTPS redirection alone. This is a generic redirection mechanism, so you can redirect from and to any port you define using rules. It also supports redirection to an external site as well.

Reference:

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

NEW QUESTION 136

- (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 138

- (Exam Topic 5)

You are planning an Azure solution that will host production databases for a high-performance application. The solution will include the following components:

- Two virtual machines that will run Microsoft SQL Server 2016, will be deployed to different data centers in the same Azure region, and will be part of an Always

On availability group.

➤ SQL Server data that will be backed up by using the Automated Backup feature of the SQL Server IaaS Agent Extension (SQLIaaSExtension)

You identify the storage priorities for various data types as shown in the following table.

Data type	Storage priority
Operating system	Speed and availability
Databases and logs	Speed and availability
Backups	Lowest cost

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

NOTE: Each correct selection is worth one point.

Storage Types

Answer Area

A geo-redundant storage (GRS) account

Operating system:

A locally-redundant storage (LRS) account

Databases and logs:

A premium managed disk

Backups:

A standard managed disk

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 140

- (Exam Topic 5)

You have the Azure resources shown in the following table.

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

You need to deploy a new Azure Firewall policy that will contain mandatory rules for all Azure Firewall deployments. The new policy will be configured as a parent policy for the existing policies.

What is the minimum number of additional Azure Firewall policies you should create?

- A. 1
- B. 2
- C. 3

Answer: B

Explanation:

Firewall policies work across regions and subscriptions. Place all your global configurations in the parent policy.

Note: Policies can be created in a hierarchy. You can create a parent/global policy that will contain configurations and rules that will apply to all/a number of firewall instances. Then you create a child policy that inherits from the parent; note that rules changes in the parent instantly appear in the child. The child is associated with a firewall and applies configurations/rules from the parent policy and the child policy instantly to the firewall.

Reference: <https://aidanfinn.com/?p=22006>

NEW QUESTION 143

- (Exam Topic 5)

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

You need to design a solution to monitor the VMs.

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

NOTE: Each correct selection is worth one point.

Scenario

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

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

Azure Monitoring Service

	▼
Azure Network Watcher	
Azure ExpressRoute Monitor	
Azure Service Endpoint Monitor	
Azure DNS Analytics	

	▼
Azure Service Map	
Azure Activity Log	
Azure Service Health	
Azure Advisor	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Box 1: Azure Network Watcher

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

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

Box 2: Azure Service Map

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

Reference:

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

NEW QUESTION 145

- (Exam Topic 5)

You have to deploy an Azure SQL database named db1 for your company. The databases must meet the following security requirements

When IT help desk supervisors query a database table named customers, they must be able to see the full number of each credit card

When IT help desk operators query a database table named customers, they must only see the last four digits of each credit card number

A column named Credit Card rating in the customers table must never appear in plain text in the database system. Only client applications must be able to decrypt the information that is stored in this column

Which of the following can be implemented for the Credit Card rating column security requirement?

- A. Always Encrypted
- B. Azure Advanced Threat Protection
- C. Transparent Data Encryption
- D. Dynamic Data Masking

Answer: A

Explanation:

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

NEW QUESTION 147

- (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 148

- (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 152

- (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 157

- (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:

<input type="checkbox"/>	A certificate
<input type="checkbox"/>	A service principal
<input type="checkbox"/>	A system-assigned managed identity
<input type="checkbox"/>	A user-assigned managed identity

Authorize App1 to retrieve Key Vault secrets by using:

<input type="checkbox"/>	An access policy
<input type="checkbox"/>	A connected service
<input type="checkbox"/>	A private link
<input type="checkbox"/>	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

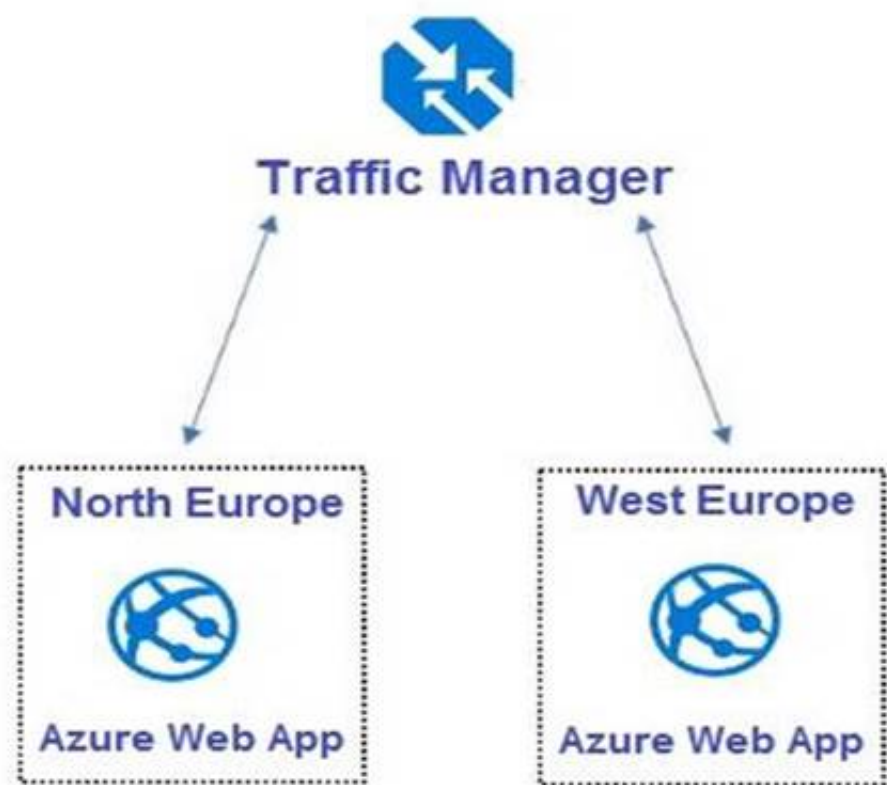
You can provide access to Key Vault keys, certificates, and secrets with an Azure role-based access control. Reference:

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

NEW QUESTION 161

- (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.	<input type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input type="radio"/>

- 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 163

- (Exam Topic 2)
- A. Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
 - B. Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
 - C. Deploy a new Azure AD tenant for the authentication of new R&D projects.
 - D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

Answer: B

Explanation:

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

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.

Number of host groups:

	▼
1	
2	
3	
6	

Number of virtual machine scale sets:

	▼
0	
1	
3	

- 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 strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

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

Answer: A

NEW QUESTION 175

- (Exam Topic 1)

You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements. Which type of endpoint should App1 use to obtain an access token?

- A. Azure Instance Metadata Service (IMDS)
- B. Azure AD
- C. Azure Service Management
- D. Microsoft identity platform

Answer: D

Explanation:

Scenario: To access the resources in Azure, App1 must use the managed identity of the virtual machines that will host the app.

Managed identities provide an identity for applications to use when connecting to resources that support Azure Active Directory (Azure AD) authentication.

Applications may use the managed identity to obtain Azure AD tokens.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

NEW QUESTION 176

- (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 178

- (Exam Topic 1)

You plan to migrate App1 to Azure.

You need to recommend a storage solution for App1 that meets the security and compliance requirements. Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:

	▼
Premium page blobs	
Premium file shares	
Standard general-purpose v2	

Configuration:

	▼
NFSv3	
Large file shares	
Hierarchical namespace	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, table Description automatically generated

Box 1: Standard general-purpose v2

Standard general-purpose v2 supports Blob Storage.

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

Litware identifies the following security and compliance requirements:

- Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.
- On-premises users and services must be able to access the Azure Storage account that will host the data in App1.
- Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.
- All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.
- App1 must NOT share physical hardware with other workloads. Box 2: NFSv3

Scenario: Plan: Migrate App1 to Azure virtual machines.

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

Reference:

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

NEW QUESTION 183

- (Exam Topic 1)

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

Database:

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

Service tier:

	▼
Hyperscale	
Business Critical	
General Purpose	

- 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 186

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

AZ-305 Practice Exam Features:

- * AZ-305 Questions and Answers Updated Frequently
- * AZ-305 Practice Questions Verified by Expert Senior Certified Staff
- * AZ-305 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- * AZ-305 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The AZ-305 Practice Test Here](#)