

## Exam Questions AZ-305

Designing Microsoft Azure Infrastructure Solutions

<https://www.2passeasy.com/dumps/AZ-305/>



**NEW QUESTION 1**

- (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 2**

- (Exam Topic 1)

You need to ensure that users managing the production environment are registered for Azure MFA and must authenticate by using Azure MFA when they sign in to the Azure portal. The solution must meet the authentication and authorization requirements.

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

NOTE: Each correct selection is worth one point.

To register the users for Azure MFA, use:

	▼
Azure AD Identity Protection	
Security defaults in Azure AD	
Per-user MFA in the MFA management UI	

To enforce Azure MFA authentication, configure:

	▼
Grant control in capolicy1	
Session control in capolicy1	
Sign-in risk policy in Azure AD Identity Protection for the Litware.com tenant	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: Azure AD Identity Protection

Azure AD Identity Protection helps you manage the roll-out of Azure AD Multi-Factor Authentication (MFA) registration by configuring a Conditional Access policy

to require MFA registration no matter what modern authentication app you are signing in to.

Scenario: Users that manage the production environment by using the Azure portal must connect from a hybrid Azure AD-joined device and authenticate by using Azure Multi-Factor Authentication (MFA).

Box 2: Sign-in risk policy...

Scenario: The Litware.com tenant has a conditional access policy named capolicy1. Capolicy1 requires that when users manage the Azure subscription for a production environment by using the Azure portal, they must connect from a hybrid Azure AD-joined device.

Identity Protection policies we have two risk policies that we can enable in our directory.

- > Sign-in risk policy
- > User risk policy

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure-> <https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-identity-protection-configure>

**NEW QUESTION 3**

- (Exam Topic 1)

You migrate App1 to Azure. You need to ensure that the data storage for App1 meets the security and compliance requirement

What should you do?

- A. Create an access policy for the blob
- B. Modify the access level of the blob service.
- C. Implement Azure resource locks.
- D. Create Azure RBAC assignments.

**Answer: A**

**Explanation:**

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

As an administrator, you can lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. The lock overrides any permissions the user might have.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources>

**NEW QUESTION 4**

- (Exam Topic 1)

You plan to migrate App1 to Azure.

You need to estimate the compute costs for App1 in Azure. The solution must meet the security and compliance requirements.

What should you use to estimate the costs, and what should you implement to minimize the costs? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

To estimate the costs, use:

▼

Azure Advisor

The Azure Cost Management Power BI app

The Azure Total Cost of Ownership (TCO) calculator

Implement:

▼

Azure Reservations

Azure Hybrid Benefit

Azure Spot Virtual Machine pricing

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Text Description automatically generated

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

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

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

Box 2: Azure Hybrid Benefit

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

Scenario:

Litware identifies the following security and compliance requirements:

- > Once App1 is migrated to Azure, you must ensure that new data can be written to the app, and the modification of new and existing data is prevented for a period of three years.
- > On-premises users and services must be able to access the Azure Storage account that will host the data in App1.
- > Access to the public endpoint of the Azure Storage account that will host the App1 data must be prevented.
- > All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.

> App1 must not share physical hardware with other workloads. Reference:  
<https://azure.microsoft.com/en-us/pricing/tco/> <https://azure.microsoft.com/en-us/pricing/hybrid-benefit/>

#### NEW QUESTION 5

- (Exam Topic 2)

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

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

**Answer:** D

#### Explanation:

Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).

Scenario: WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image>

#### NEW QUESTION 6

- (Exam Topic 2)

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

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

**Answer:** A

#### Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/long-term-retention-overview>

In Azure SQL Database, you can configure a database with a long-term backup retention policy (LTR) to automatically retain the database backups in separate Azure Blob storage containers for up to 10 years

#### NEW QUESTION 7

- (Exam Topic 2)

You need to recommend a data storage strategy for WebApp1. What should you include 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 8

- (Exam Topic 2)

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

NOTE: Each correct selection is worth one point.

Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

**NEW QUESTION 9**

- (Exam Topic 3)

You need to recommend a solution that meets the application development requirements. What should you include in the recommendation?

- A. an Azure Container Registry instance
- B. deployment slots
- C. Continuous Integration/Continuous Deployment (CI/CD) sources
- D. the Azure App Configuration service

Answer: B

**NEW QUESTION 10**

- (Exam Topic 3)

You need to recommend an App Service architecture that meets the requirements for Appl. The solution must minimize costs. What should you 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 10**

- (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 12**

- (Exam Topic 3)

What should you implement to meet the identity requirements? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Service:

Service:	▼
Azure AD Identity Governance	
Azure AD Identity Protection	
Azure AD Privilege Access Management (PIM)	
Azure Automation	

Feature:

Feature:	▼
Access packages	
Access reviews	
Approvals	
Runbooks	

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Requirements: Identity Requirements

Contoso identifies the following requirements for managing Fabrikam access to resources:

Every month, an account manager at Fabrikam must review which Fabrikam users have access permissions to App1. Accounts that no longer need permissions must be removed as guests.

The solution must minimize development effort.

Box 1: The Azure AD Privileged Identity Management (PIM) When should you use access reviews?

Too many users in privileged roles: It's a good idea to check how many users have administrative access, how many of them are Global Administrators, and if there are any invited guests or partners that have not been removed after being assigned to do an administrative task. You can recertify the role assignment users in Azure AD roles such as Global Administrators, or Azure resources roles such as User Access Administrator in the Azure AD Privileged Identity Management (PIM) experience.

Box 2: 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.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview>

**NEW QUESTION 13**

- (Exam Topic 4)

A company is planning on deploying an application onto Azure. The application will be based on the .Net core programming language. The application would be hosted using Azure Web apps. Below is part of the various requirements for the application

Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data

Give the ability to visualize the relationships between application components

Give the ability to track requests and exceptions to specific lines of code from within the application Give the ability to actually analyse how uses return to an application and see how often they only select a particular drop-down value

Which of the following service would be best suited for fulfilling the requirement of

“Give the ability to correlate Azure resource usage and the performance data with the actual application configuration and performance data”

- A. Azure Application Insights
- B. Azure Service Map
- C. Azure Log Analytics
- D. Azure Activity Log

**Answer: C**

**NEW QUESTION 18**

- (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 21**

- (Exam Topic 5)

Your organization has developed and deployed several Azure App Service Web and API applications. The applications use Azure Key Vault to store several authentication, storage account, and data encryption keys.

Several departments have the following requests to support the applications:

Department	Request
Security	<ul style="list-style-type: none"> <li>• Review membership of administrative roles and require to provide a justification for continued membership</li> <li>• Get alerts about changes in administrator assignments.</li> <li>• See a history of administrator activation, including which changes administrators made to Azure resources.</li> </ul>
Development	<ul style="list-style-type: none"> <li>• Enable the applications to access Azure Key Vault and retrieve keys for use in code.</li> </ul>
Quality Assurance	<ul style="list-style-type: none"> <li>• Receive temporary administrator access to create and configure additional Web and API applications in the test environment.</li> </ul>

You need to recommend the appropriate Azure service for each department request.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

**Department**

**Azure Service**

Security

▼

- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

Development

▼

- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

Quality Assurance

▼

- Azure AD Privileged Identity Management
- Azure AD Managed Service Identity
- Azure AD Connect
- Azure AD Identity Protection

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

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

**NEW QUESTION 26**

- (Exam Topic 5)

You have an on-premises application named App1 that uses an Oracle database. You plan to use Azure Databricks to transform and load data from App1 to an Azure Synapse Analytics instance. You need to ensure that the App1 data is available to Databricks. Which two Azure services should you include in the solution? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. Azure Data Box Edge
- B. Azure Data Lake Storage
- C. Azure Data Factory
- D. Azure Data Box Gateway
- E. Azure Import/Export service

**Answer:** CE

**NEW QUESTION 29**

- (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 34**

- (Exam Topic 5)

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

Name	Type	Description
App1	Azure App Service app	None
Workspace1	Log Analytics workspace	Configured to use a pay-as-you-go pricing tier
App1Logs	Log Analytics table	Hosted in Workspace1 Configured to use the Analytics Logs data plan

Log files from App1 are ingested to App 1 Logs. An average of 120 GB of log data is ingested per day. You configure an Azure Monitor alert that will be triggered if the App1 logs contain error messages.

You need to minimize the Log Analytics costs associated with App1. The solution must meet the following requirements:

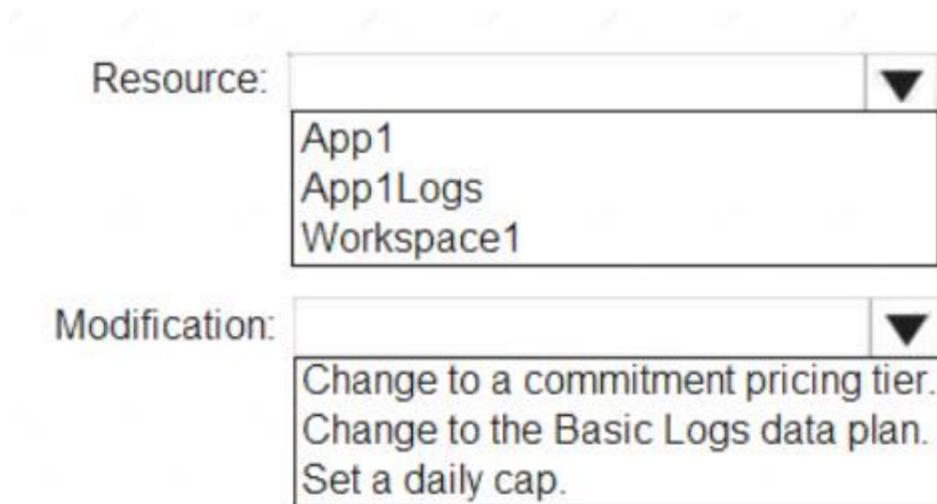
- Ensure that all the log files from App1 are ingested to App 1 Logs.
- Minimize the impact on the Azure Monitor alert.

Which resource should you modify, and which modification should you perform? 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:**

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**NEW QUESTION 38**

- (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 39**

- (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 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 44**

- (Exam Topic 5)

You have an on-premises Microsoft SQL Server 2008 instance that hosts a 50-GB database.

You need to migrate the database to an Azure SQL managed instance. The solution must minimize downtime. What should you use?

- A. Azure Migrate
- B. WANdisco LiveData Platform for Azure
- C. Azure Data Studio
- D. SQL Server Management Studio (SSMS)

**Answer: C**

**NEW QUESTION 45**

- (Exam Topic 5)

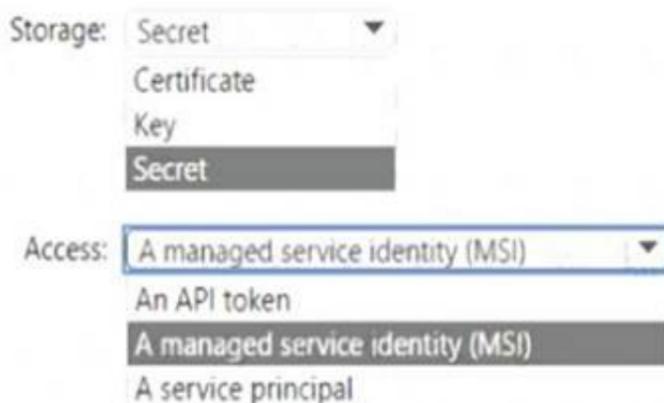
You are designing an app that will be hosted on Azure virtual machines that run Ubuntu. The app will use a third-party email service to send email messages to users. The third-party email service requires that the app authenticate by using an API key.

You need to recommend an Azure Key Vault solution for storing and accessing the API key. The solution must minimize administrative effort.

What should you recommend using to store and access the key? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

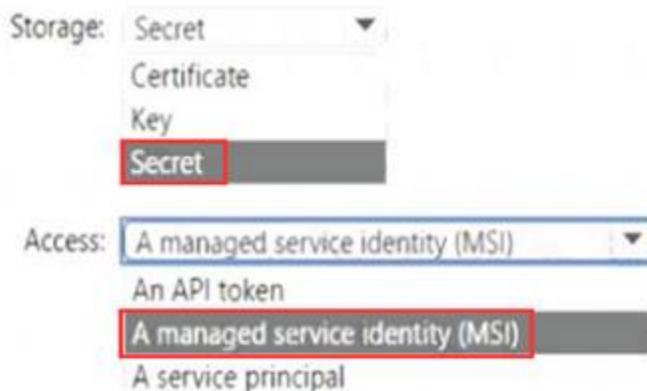


- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



**NEW QUESTION 46**

- (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.

Resource to create in Azure:

	▼
An event hub	
A Log Analytics workspace	
A search service	
A storage account	

Configuration to perform on the virtual machines:

	▼
Create event subscriptions	
Configure Continuous delivery	
Install the Microsoft Monitoring Agent	
Modify the membership of the Event Log Readers Groups	

- 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 47**

- (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 49**

- (Exam Topic 5)

Your company has offices in the United States, Europe, Asia, and Australia.

You have an on-premises app named App1 that uses Azure Table storage. Each office hosts a local instance of App1.

You need to upgrade the storage for App1. The solution must meet the following requirements:

- > Enable simultaneous write operations in multiple Azure regions.
- > Ensure that write latency is less than 10 ms.
- > Support indexing on all columns.
- > Minimize development effort. Which data platform should you use?

- A. Azure SQL Database
- B. Azure SQL Managed Instance
- C. Azure Cosmos DB
- D. Table storage that uses geo-zone-redundant storage (GZRS) replication

**Answer:** D

**Explanation:**

Azure Cosmos DB Table API has

- Single-digit millisecond latency for reads and writes, backed with <10-ms latency reads and <15-ms latency writes at the 99th percentile, at any scale, anywhere in the world.
- Automatic and complete indexing on all properties, no index management.
- Turnkey global distribution from one to 30+ regions. Support for automatic and manual failovers at any time, anywhere in the world. Reference:  
<https://docs.microsoft.com/en-us/azure/cosmos-db/table-support>

#### NEW QUESTION 53

- (Exam Topic 5)

You have a .NET web service named Service1 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 58

- (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 63

- (Exam Topic 5)

Your company deploys several virtual machines on-premises and to Azure. ExpressRoute is deployed and configured for on-premises to Azure connectivity. Several virtual machines exhibit network connectivity issues.

You need to analyze the network traffic to identify whether packets are being allowed or denied from Azure to the virtual machines.

Solution: Install and configure the Azure Monitoring agent and the Dependency Agent on all the virtual machines. Use VM insights in Azure Monitor to analyze the network traffic.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

#### NEW QUESTION 65

- (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 66

- (Exam Topic 5)

You have an Azure subscription.

You create a storage account that will store documents.

You need to configure the storage account to meet the following requirements:

- Ensure that retention policies are standardized across the subscription.
- Ensure that data can be purged if the data is copied to an unauthorized location.

Which two settings should you enable? To answer, select the appropriate settings in the answer area. NOTE: Each correct selection is worth one point.

### Recovery

- Enable operational backup with Azure Backup
- Enable point-in-time restore for containers
- Enable soft delete for blobs
- Enable soft delete for containers
- Enable permanent delete for soft deleted items

### Tracking

- Enable versioning for blobs
- Enable blob change feed

### Access control

- Enable version-level immutability support

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

### Recovery

- Enable operational backup with Azure Backup
- Enable point-in-time restore for containers
- Enable soft delete for blobs
- Enable soft delete for containers
- Enable permanent delete for soft deleted items

### Tracking

- Enable versioning for blobs
- Enable blob change feed

### Access control

- Enable version-level immutability support

**NEW QUESTION 70**

- (Exam Topic 5)

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

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

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

NOTE: Each correct selection is worth one point.

**Policies**

- None
- ReadOnly
- ReadWrite

**Answer Area**

Log:

Policy

Data:

Policy

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Graphical user interface, application Description automatically generated

References:

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

**NEW QUESTION 74**

- (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 75**

- (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 78**

- (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**

Number of Virtual WAN hubs:

Virtual WAN SKU:

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area

Number of Virtual WAN hubs:

Virtual WAN SKU:

**NEW QUESTION 83**

- (Exam Topic 5)

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions. You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

- > Maintain access to the app in the event of a regional outage.
- > Support Azure Web Application Firewall (WAF).
- > Support cookie-based affinity.
- > Support URL routing.

What should you include in the recommendation?

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

Answer: B

Explanation:

Azure Traffic Manager performs the global load balancing of web traffic across Azure regions, which have a regional load balancer based on Azure Application Gateway. This combination gets you the benefits of Traffic Manager many routing rules and Application Gateway's capabilities such as WAF, TLS termination, path-based routing, cookie-based session affinity among others.

Reference:

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

**NEW QUESTION 85**

- (Exam Topic 5)

A company plans to implement an HTTP-based API to support a web app. The web app allows customers to check the status of their orders. The API must meet the following requirements:

- > Implement Azure Functions
- > Provide public read-only operations
- > Do not allow write operations

You need to recommend configuration options.

What should you recommend? To answer, configure the appropriate options in the dialog box in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Topic

Value

Allowed authentication methods

▼
All methods
GET only
GET and POST only
GET, POST, and OPTIONS only

Authorization level

▼
Function
Anonymous
Admin

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, table Description automatically generated

Allowed authentication methods: GET only Authorization level: Anonymous

The option is Allow Anonymous requests. This option turns on authentication and authorization in App Service, but defers authorization decisions to your application code. For authenticated requests, App Service also passes along authentication information in the HTTP headers.

This option provides more flexibility in handling anonymous requests. References:

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

**NEW QUESTION 86**

- (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 89**

- (Exam Topic 5)

Your company, named Contoso, Ltd., implements several Azure logic apps that have HTTP triggers. The logic apps provide access to an on-premises web service.

Contoso establishes a partnership with another company named Fabrikam. IncL

Fabrikam does not have an existing Azure Active Directory (Azure AD) tenant and uses third-party OAuth 2.0 identity management to authenticate its users.

I Developers at Fabrikam plan to use a subset of the logic apps to build applications that will integrate with the on-premises web service of Contoso.

You need to design a solution to provide the Fabrikam developers with access to the logic apps. The solution must meet the following requirements:

- Requests to the logic apps from the developers must be limited to lower rates than the requests from the users at Contoso.
- The developers must be able to rely on their existing OAuth 2.0 provider to gain access to the logic apps.
- The solution must NOT require changes to the logic apps.
- The solution must NOT use Azure AD guest accounts. What should you include in the solution?

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

**Answer:** B

**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 91**

- (Exam Topic 5)

You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

- Only allow the creation of the virtual machines in specific regions.
- Only allow the creation of specific sizes of virtual machines. What should you include in the recommendation?

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

**Answer:** B

**Explanation:**

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

**NEW QUESTION 92**

- (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 97**

- (Exam Topic 5)

Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting application in the company's on-premises data center.

- The finance application requires that data be retained for seven years. In the event of a disaster, the application must be able to run from Azure. The recovery in objective (RTO) is 10 minutes,
- The reporting application must be able to recover point in-time data at a daily granularity. The RTO is eight hours.
- The sales application must be able to fail over to second on-premises data center.

You need to recommend which Azure services meet the business continuity and disaster recovery objectives. The solution must minimize costs.

What should you recommend for each application? To answer, drag the appropriate services to the correct application. Each service may be used once or more than once. You may need to drag the spin bar between panes or scroll to view content.

Actions		Answer Area
Azure Backup only		Sales: Service or Services
Azure Site Recovery only		Finance: Service or Services
Azure Site Recovery and Azure Backup		Reporting: Service or Services

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

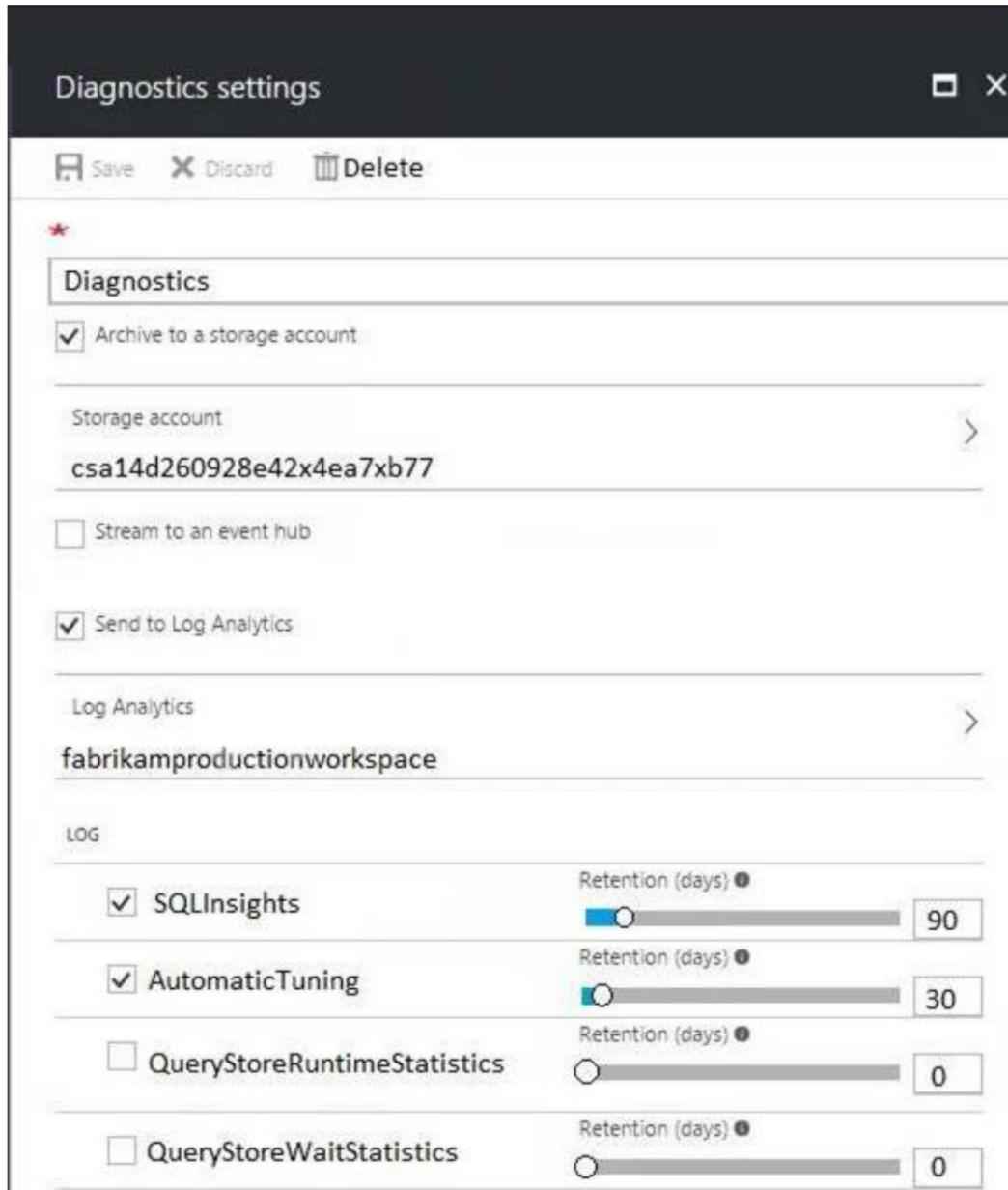
- 1) Sales: Azure Site Recovery only
- 2) Finance: Azure Site Recovery and Azure Backup
- 3) Reporting: Azure Backup only

**NEW QUESTION 102**

- (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 106**

- (Exam Topic 5)

You plan to deploy an Azure web app named App1 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.

The users can connect to App1 without being prompted for authentication:

- An Azure AD app registration
- An Azure AD managed identity
- Azure AD Application Proxy

The users can access App1 only from company-owned computers:

- A conditional access policy
- An Azure AD administrative unit
- Azure Application Gateway
- Azure Blueprints
- Azure Policy

- 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

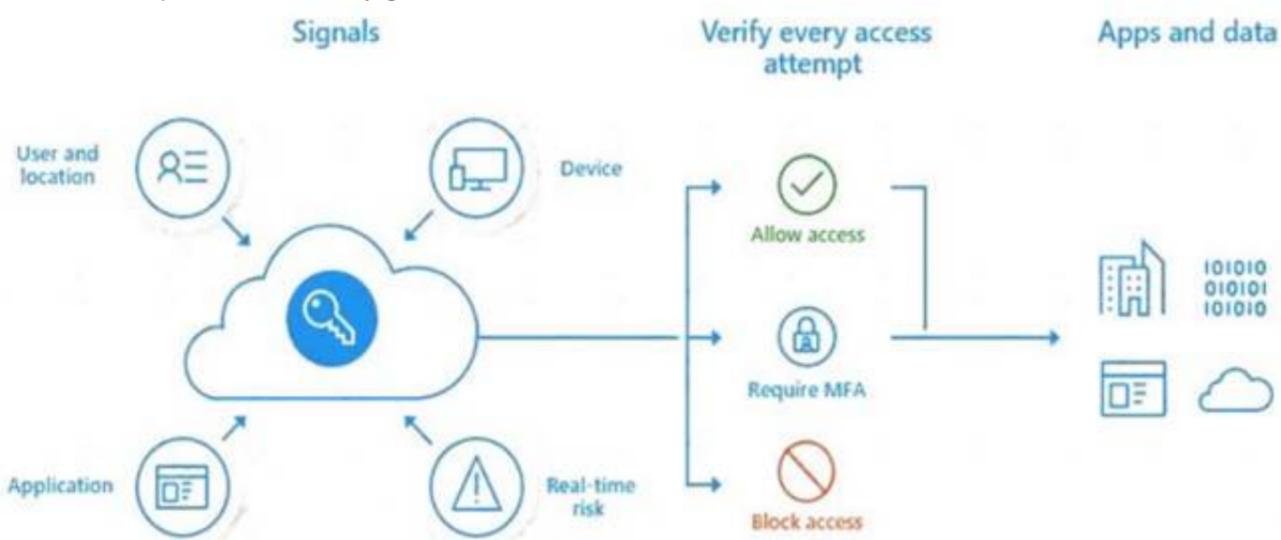
Azure active directory (AD) provides cloud based directory and identity management services. You can use azure AD to manage users of your application and authenticate access to your applications using azure active directory.

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 111**

- (Exam Topic 5)

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

- Support 15,000 disk IOPS.
- Support SR-IOV.
- Minimize costs.

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

Answer Area

Virtual machine series: NC ▼  
 DS  
NC  
 NV

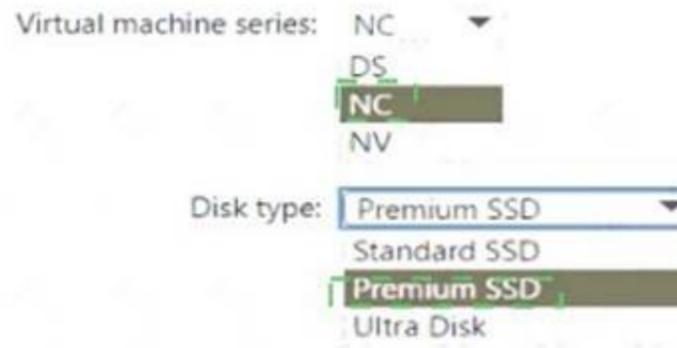
Disk type: Premium SSD ▼  
 Standard SSD  
Premium SSD  
 Ultra Disk

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area

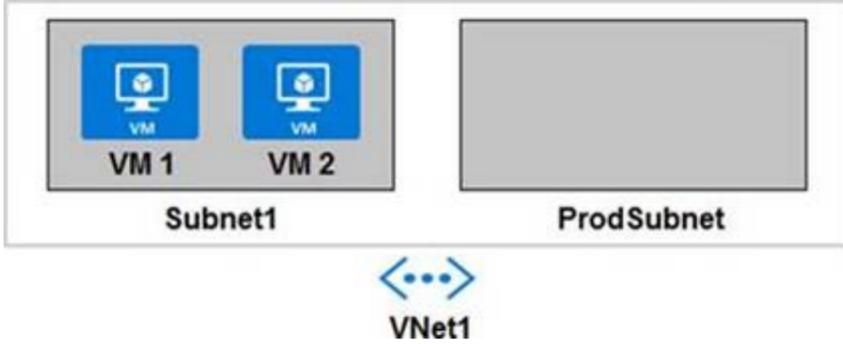


**NEW QUESTION 112**

- (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.	<input type="radio"/>	<input type="radio"/>
The APIM instance can access real-time data from VM1.	<input type="radio"/>	<input type="radio"/>
A VPN gateway is required for partner access.	<input type="radio"/>	<input type="radio"/>

- 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 117**

- (Exam Topic 5)

You plan to deploy an Azure App Service web app that will have multiple instances across multiple Azure regions.

You need to recommend a load balancing service for the planned deployment. The solution must meet the following requirements:

- > Maintain access to the app in the event of a regional outage.
- > Support Azure Web Application Firewall (WAF).
- > Support cookie-based affinity.
- > Support URL routing.

What should you include in the recommendation?

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

**Answer:** A

**Explanation:**

Azure Traffic Manager performs the global load balancing of web traffic across Azure regions, which have a regional load balancer based on Azure Application Gateway. This combination gets you the benefits of Traffic Manager many routing rules and Application Gateway's capabilities such as WAF, TLS termination, path-based routing, cookie-based session affinity among others.

Reference:

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

**NEW QUESTION 119**

- (Exam Topic 5)

You have an Azure subscription. The subscription contains 100 virtual machine that am Windows Server. You need to recommend a solution that will provide monitoring and an audit trail of the following modifications:

- Changes to the Windows registry on the virtual machines
- Changes to the DNS settings of the virtual machines

The solution must minimize administrative effort.

What should you recommend using for each change? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

**Answer Area**

Windows registry changes:

DNS settings changes:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Windows registry changes:

DNS settings changes:

**NEW QUESTION 123**

- (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 an 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 128**

- (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 DB1. What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Prepare for the migration by:

- Adding a secondary replica to AG1
- Creating an Always On availability group on VM1
- Upgrading the on-premises SQL Server instances

Perform the migration by using:

- A distributed availability group
- Azure Migrate
- Log shipping

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Prepare for the migration by:

- Adding a secondary replica to AG1
- Creating an Always On availability group on VM1
- Upgrading the on-premises SQL Server instances

Perform the migration by using:

- A distributed availability group
- Azure Migrate
- Log shipping

**NEW QUESTION 129**

- (Exam Topic 5)

Your company has an app named App1 that uses data from the on-premises Microsoft SQL Server databases shown in the following table.

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

App1 and the data are used on the first day of the month only. The data is not expected to grow more than 3% each year.

The company is rewriting App1 as an Azure web app and plans to migrate all the data to Azure. You need to migrate the data to Azure SQL Database. The solution must minimize costs. Which service tier should you use?

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

Answer: C

Explanation:

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

**NEW QUESTION 131**

- (Exam Topic 5)

You have an Azure subscription. The subscription has a blob container that contains multiple blobs. Ten users in the finance department of your company plan to access the blobs during the month of April. You need to recommend a solution to enable access to the blobs during the month of April only. Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)

- B. access keys
- C. conditional access policies
- D. certificates

**Answer:** A

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

This allows for limited-time fine grained access control to resources. So you can generate URL, specify duration (for month of April) and disseminate URL to 10 team members. On May 1, the SAS token is automatically invalidated, denying team members continued access.

**NEW QUESTION 133**

- (Exam Topic 5)

You have an app named App1 that uses two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to migrate DB1 and DB2 to Azure.

You need to recommend an Azure solution to host DB1 and DB2. The solution must meet the following requirements:

- Support server-side transactions across DB1 and DB2.
- Minimize administrative effort to update the solution. What should you recommend?

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

**Answer:** D

**Explanation:**

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

**NEW QUESTION 134**

- (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 136**

- (Exam Topic 5)

You have an on-premises named App 1. Customers App1 to manage digital images. You plan to migrate App1 to Azure.

You need to recommend a data storage solution for Appl. The solution must meet the following image storage requirements:

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

**Services**

Azure Blob storage

Azure Cosmos DB

Azure SQL Database

Azure Table storage

**Answer Area**

Image storage: Service

Customer accounts: Service

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 139**

- (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 140**

- (Exam Topic 5)

You are developing a multi-tier app named App1 that will be hosted on Azure virtual machines. The peak utilization periods for App1 will be from 8 AM to 9 AM and 4 PM to 5 PM on weekdays.

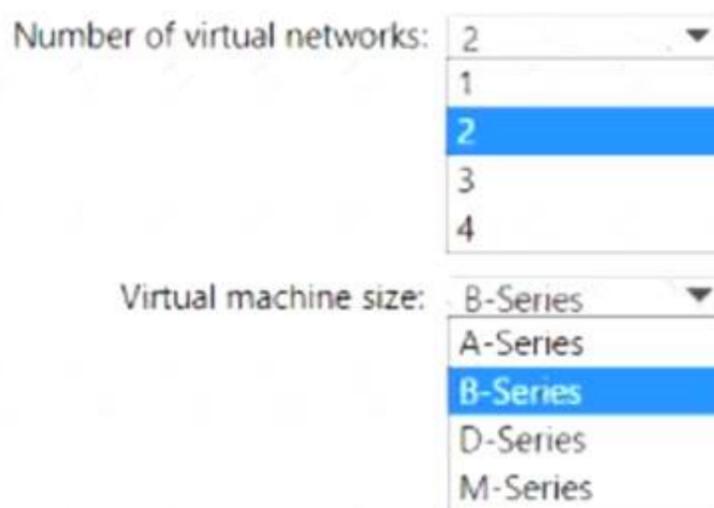
You need to deploy the infrastructure for App1. The solution must meet the following requirements:

- Support virtual machines deployed to four availability zones across two Azure regions.
- Minimize costs by accumulating CPU credits during periods of low utilization.

What is the minimum number of virtual networks you should deploy, and which virtual machine size 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:**

## Answer Area

Number of virtual networks: 2  
1  
2  
3  
4

Virtual machine size: B-Series  
A-Series  
B-Series  
D-Series  
M-Series

**NEW QUESTION 142**

- (Exam Topic 5)

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

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

- Support rate limiting.
- Balance requests between all instances.
- Ensure that users can access the app in the event of a regional outage. Solution: You use Azure Traffic Manager to provide access to the app. Does this meet the goal?

- A. Yes  
B. No

**Answer: B**

**NEW QUESTION 146**

- (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 151**

- (Exam Topic 5)

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

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

What should you recommend?

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

**Answer: D**

**NEW QUESTION 152**

- (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 156**

- (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 159**

- (Exam Topic 5)

You plan to deploy an infrastructure solution that will contain the following configurations:

- External users will access the infrastructure by using Azure Front Door.
- External user access to the backend APIs hosted in Azure Kubernetes Service (AKS) will be controlled by using Azure API Management.

• External users will be authenticated by an Azure AD B2C tenant that uses OpenID Connect-based federate with a third-party identity provider. Which function does each service provide? To answer, drag the appropriate functions to the correct services. Each function 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:**

Front Door: Protection against Open Web Application Security Project (OWASP) vulnerabilities<sup>1</sup>  
 API Management: IP filtering on a per-API level<sup>2</sup> and validation of Azure B2C JSON Web Tokens (JWTs)<sup>3</sup>  
 References:  
 1: Azure Front Door - Web Application Firewall 2: Azure API Management policy reference - ip-filter 3: to validate an Azure B2C JWT token in a web API?

**NEW QUESTION 162**

- (Exam Topic 5)

You are developing a sales application that will contain several Azure cloud services and 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 XML messages. What should you include in the recommendation?

- A. Azure Data Lake
- B. Azure Notification Hubs
- C. Azure Queue Storage
- D. Azure Service Fabric

Answer: C

**NEW QUESTION 164**

- (Exam Topic 5)

You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group1. Group1 is configured for assigned membership. Group1 has 50 members, including 20 guest users.

You need to recommend a solution for evaluating the membership of Group1. The solution must meet the following requirements:

- The evaluation must be repeated automatically every three months
- Every member must be able to report whether they need to be in Group1
- Users who report that they do not need to be in Group1 must be removed from Group1 automatically
- Users who do not report whether they need to be in Group1 must be removed from Group1 automatically. What should you include in the recommendation?

- A. Implement Azure AD Identity Protection.
- B. Change the Membership type of Group1 to Dynamic User.
- C. Implement Azure AD Privileged Identity Management.
- D. Create an access review.

Answer: D

**Explanation:**

<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#learn-about-access-reviews>  
 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. An administrator creates an access review of Group C with 50 member users and 25 guest users. Makes it a self-review. 50 licenses for each user as self-reviewers.\*  
<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#example-license-requirements>  
 There are 4 requirements and every single one is only met by access reviews.  
<https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#when-should-you-use-dynamic-users>  
 Dynamic User is needed if a user must be automatically granted access on base of its attributes (department, jobtitle, location, etc.)  
<https://techcommunity.microsoft.com/t5/itops-talk-blog/dynamic-groups-in-azure-ad-and-microsoft-365/ba-p/22>  
 Implementing Azure AD PIM is no solution and absolutely not necessary for access reviews. <https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#where-do-you-create-access-reviews>

**NEW QUESTION 165**

- (Exam Topic 5)

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

- Prevent Active Directory domain user accounts from being locked out as the result of brute force attacks targeting Azure AD user accounts.

- > Block legacy authentication attempts to Azure AD integrated apps.
- > Minimize costs.

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

NOTE: Each correct selection is worth one point.

To protect against brute force attacks:

	▼
Azure AD Password Protection	
Conditional access policies	
Pass-through authentication	
Smart lockout	

To block legacy authentication attempts:

	▼
Azure AD Application Proxy	
Azure AD Password Protection	
Conditional access policies	
Enable Security defaults	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: Smart lockout

Smart lockout helps lock out bad actors that try to guess your users' passwords or use brute-force methods to get in. Smart lockout can recognize sign-ins that come from valid users and treat them differently than ones of attackers and other unknown sources. Attackers get locked out, while your users continue to access their accounts and be productive.

Box 2: Conditional access policies

If your environment is ready to block legacy authentication to improve your tenant's protection, you can accomplish this goal with Conditional Access.

How can you prevent apps using legacy authentication from accessing your tenant's resources? The recommendation is to just block them with a Conditional Access policy. If necessary, you allow only certain users and specific network locations to use apps that are based on legacy authentication.

Reference:

<https://docs.microsoft.com/en-us/azure/active-directory/authentication/howto-password-smart-lockout> <https://docs.microsoft.com/en-us/azure/active-directory/conditional-access/block-legacy-authentication>

**NEW QUESTION 167**

- (Exam Topic 5)

You have an app named App1 that uses two on-premises Microsoft SQL Server databases named DB1 and DB2.

You plan to migrate DB1 and DB2 to Azure.

You need to recommend an Azure solution to host DB1 and DB2. The solution must meet the following requirements:

- Support server-side transactions across DB1 and DB2.
- Minimize administrative effort to update the solution. What should you recommend?

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

**Answer:** D

**Explanation:**

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

**NEW QUESTION 169**

- (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 172**

- (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:

<input type="checkbox"/>	A Traffic Manager profile
<input type="checkbox"/>	Azure Application Gateway
<input type="checkbox"/>	Azure Load Balancer

Request routing configuration:

<input type="checkbox"/>	Cookie-based session affinity
<input type="checkbox"/>	Performance traffic routing
<input type="checkbox"/>	Priority traffic routing
<input type="checkbox"/>	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 174**

- (Exam Topic 5)

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

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

Your company has deployed several virtual machines (VMs) on-premises and to Azure. Azure ExpressRoute has been deployed and configured for on-premises to Azure connectivity.

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Install and configure the Microsoft Monitoring Agent and the Dependency Agent on all VMs. Use the Wire Data solution in Azure Monitor to analyze the network traffic.

Does the solution meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

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

Note: Wire Data looks at network data at the application level, not down at the TCP transport layer. The solution doesn't look at individual ACKs and SYN's.

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 178**

- (Exam Topic 5)

You are designing a microservices architecture that will support a web application.

The solution must meet the following requirements:

- Allow independent upgrades to each microservice
- Deploy the solution on-premises and to Azure
- Set policies for performing automatic repairs to the microservices
- Support low-latency and hyper-scale operations

You need to recommend a technology. What should you recommend?

- A. Azure Service Fabric
- B. Azure Container Service
- C. Azure Container Instance
- D. Azure Virtual Machine Scale Set

**Answer:** A

**Explanation:**

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

**NEW QUESTION 180**

- (Exam Topic 5)

You have two app registrations named App1 and App2 in Azure AD. App1 supports role-based access control (RBAC) and includes a role named Writer. You need to ensure that when App2 authenticates to access App1, the tokens issued by Azure AD include the Writer role claim.

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

NOTE: Each correct selection is worth one point.

Blades	Answer Area
API permissions	App1: <span style="border: 1px dashed black; padding: 2px;">Blade</span>
App roles	App2: <span style="border: 1px dashed black; padding: 2px;">Blade</span>
Token configuration	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Blades	Answer Area
API permissions	App1: <span style="border: 1px solid black; padding: 2px;">App roles</span>
App roles	App2: <span style="border: 1px solid black; padding: 2px;">API permissions</span>
Token configuration	

**NEW QUESTION 183**

- (Exam Topic 5)

Your company has 300 virtual machines hosted in a VMware environment. The virtual machines vary in size and have various utilization levels.

You plan to move all the virtual machines to Azure.

You need to recommend how many and what size Azure virtual machines will be required to move the current workloads to Azure. The solution must minimize administrative effort.

What should you use to make the recommendation?

- A. Azure Cost Management
- B. Azure Pricing calculator
- C. Azure Migrate
- D. Azure Advisor

**Answer:** C

**Explanation:**

<https://docs.microsoft.com/en-us/azure/migrate/migrate-appliance#collected-data---vmware>

"Metadata discovered by the Azure Migrate appliance helps you to figure out whether servers are ready for migration to Azure, right-size servers, plans costs, and analyze application dependencies".

<https://docs.microsoft.com/en-us/learn/modules/design-your-migration-to-azure/2-plan-your-azure-migration>

**NEW QUESTION 188**

- (Exam Topic 5)

Your company has an on-premises Hyper-V cluster that contains 20 virtual machines. Some of the virtual machines are based on Windows and some in Linux.

You have to migrate the virtual machines onto Azure.

You have to recommend a solution that would be used to replicate the disks of the virtual machines to Azure. The solution needs to ensure that the virtual machines remain available when the migration of the disks is in progress.

You decide to create an Azure storage account and then run AzCopy Would this fulfill the requirement?

- A. Yes
- B. No

**Answer:** B

**NEW QUESTION 193**

- (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 account
- 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 tier
- 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 account
- 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 tier
- 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 tier
- 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 194**

- (Exam Topic 5)

You have the Azure subscriptions shown in the following table.

Name	Location	Azure AD tenant
Sub1	East US	contoso.onmicrosoft.com
Sub2	East US	contoso-recovery.onmicrosoft.com

Contoso.onmicrosoft.com contains a user named User1.

You need to deploy a solution to protect against ransomware attacks. The solution must meet the following requirements:

- Ensure that all the resources in Sub1 are backed up by using Azure Backup.
- Require that User1 first be assigned a role for Sub2 before the user can make major changes to the backup configuration.

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

**Answer Area**

Sub1:

- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent**

Sub2:

- A Recovery Services vault**
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Sub1:

- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent**

Sub2:

- A Recovery Services vault**
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

**NEW QUESTION 198**

- (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 203**

- (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?

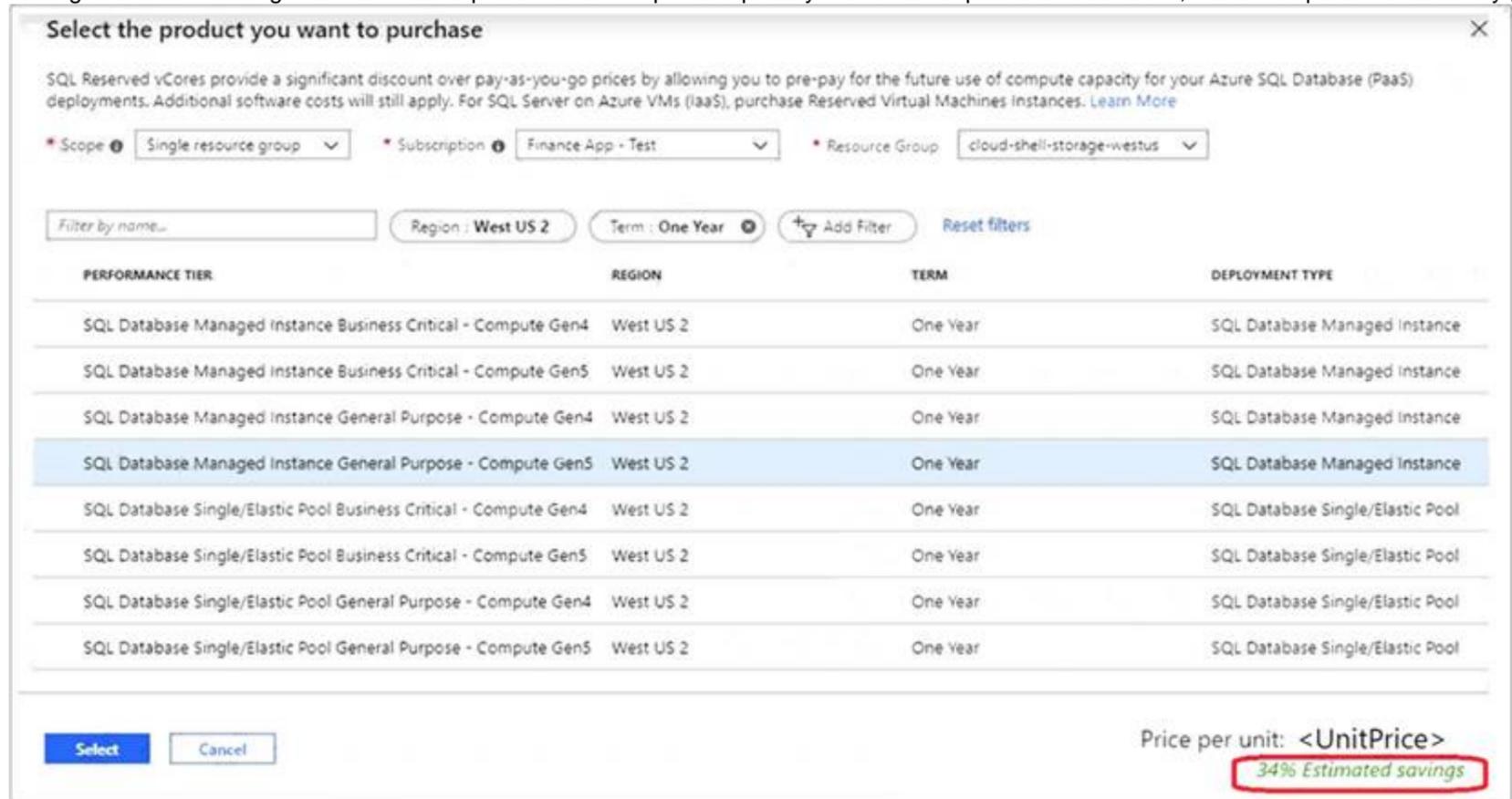
- A. The Purchase reservations blade in the Azure portal
- B. The Advisor blade in the Azure portal
- C. The SQL database blade in the Azure portal

**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



- > 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 204**

- (Exam Topic 5)

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

- A. Microsoft identify platform

- B. Azure AD
- C. Azure instance Service (IMDS)
- D. Azure Service management

Answer: A

**NEW QUESTION 207**

- (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.

Virtual machine size:

Compute optimized Standard_F8s
General purpose Standard_B8ms
High performance compute Standard_H16r
Memory optimized Standard_E16s_v3

Feature:

Receive side scaling (RSS)
Remote Direct Memory Access (RDMA)
Single root I/O virtualization (SR-IOV)
Virtual Machine Multi-Queue (VMMQ)

- 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 208**

- (Exam Topic 5)

You have data files in Azure Blob Storage.

You plan to transform the files and move them to Azure Data Lake Storage. You need to transform the data by using mapping data flow.

Which service should you use?

- A. Azure Data Box Gateway
- B. Azure Databricks
- C. Azure Data Factory
- D. Azure Storage Sync

Answer: C

**Explanation:**

You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage>

**NEW QUESTION 212**

- (Exam Topic 5)

You need to implement the Azure RBAC role assignment. The solution must meet the authentication and authorization requirements.

How many assignment should you configure for the Network Contributor role for Role1? To answer, select appropriate in the answer area.

NOTE:

Answer Area

Network Contributor:

Role1:

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A screenshot of a computer Description automatically generated with medium confidence

**NEW QUESTION 215**

- (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 219**

- (Exam Topic 5)

You are designing a data storage solution to support reporting.

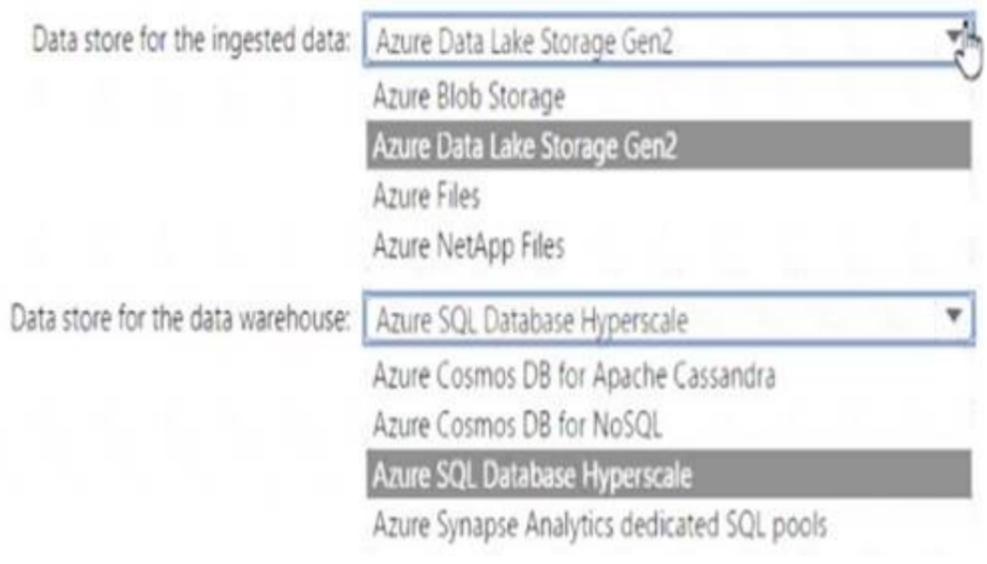
The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:

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

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

NOTE: Each correct selection is worth one point.

**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 221**

- (Exam Topic 5)

You have the resources shown in the following table.

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

CDB1 hosts a container that stores continuously updated operational data.

You are designing a solution that will use ASI to analyze the operational data daily.

You need to recommend a solution to analyze the data without affecting the performance of the operational data store.

What should you include in the recommendation?

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

Answer: D

**NEW QUESTION 223**

- (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

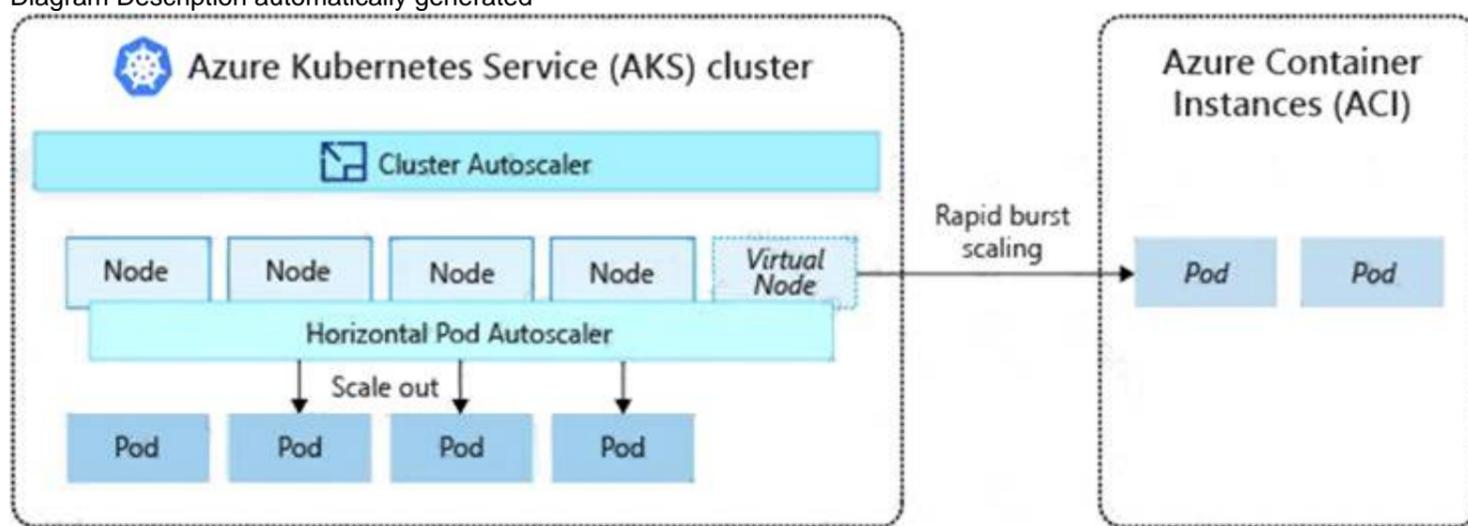
Answer: D

**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 224**

- (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-ssso-how-to> <https://docs.microsoft.com/en-us/azure/active-directory/app-proxy/application-proxy-deployment-plan>

**NEW QUESTION 225**

- (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 (ARM) templates?

- A. ARM templates remain connected to the deployed resources.
- B. Only ARM templates can contain policy definitions.
- C. Blueprints remain connected to the deployed resources.
- D. Only 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 228**

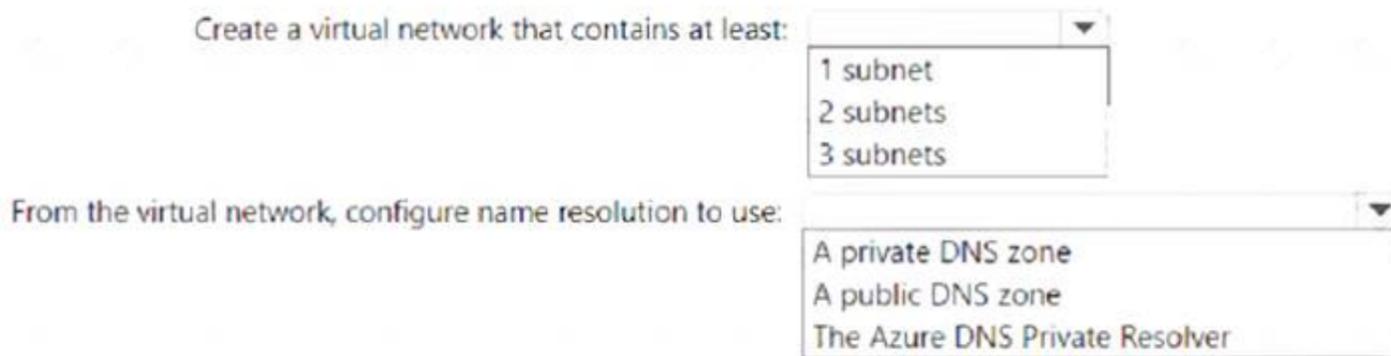
- (Exam Topic 5)

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 Webapp1 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**

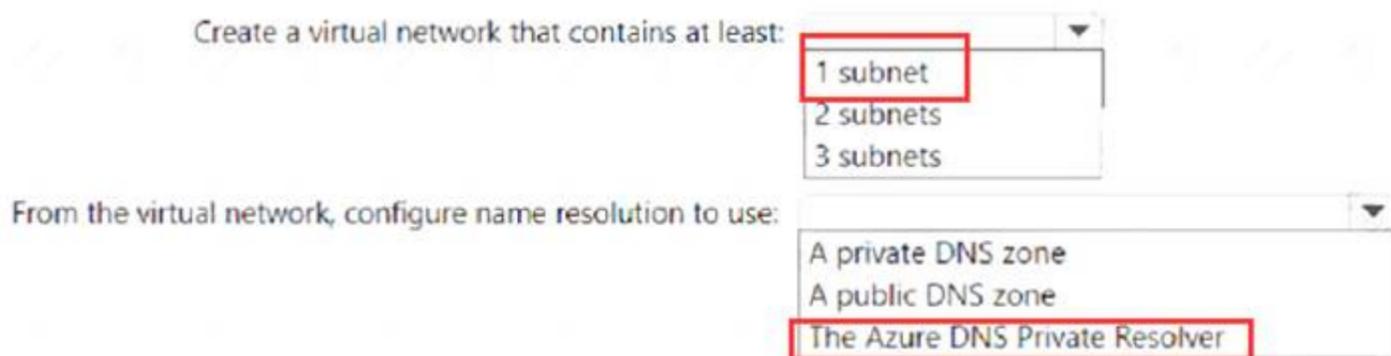


- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**



**NEW QUESTION 232**

- (Exam Topic 5)

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

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

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

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

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

Solution: You recommend using an Azure Policy initiative to enforce the location of resource groups. Does this meet the goal?

- A. Yes
- B. No

Answer: B

**Explanation:**

This solution does not meet the goal because an Azure Policy initiative can only enforce the location of resources, not resource groups. Resource groups are not a resource type that can be targeted by Azure Policy1. To enforce the location of resource groups, you need to use Azure Resource Manager templates2 or Azure PowerShell3 to create them in the desired regions.

References:

- 1: Understand scope in Azure Policy 2: Create resource groups with Azure Resource Manager templates 3: Create resource groups with Azure PowerShell

**NEW QUESTION 233**

- (Exam Topic 5)

You plan to deploy the backup policy shown in the following exhibit.

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

Virtual machines that are backed up using the policy can be recovered for up to a maximum of [answer choice].

- 90 days
- 26 weeks
- 36 months
- 45 months

The minimum recovery point objective (RPO) for virtual machines that are backed up by using the policy is [answer choice].

- 1 hour
- 1 day
- 1 week
- 1 month
- 1 year

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

<https://docs.microsoft.com/en-us/azure/backup/backup-azure-vm-backup-faq#what-s-the-minimum-rpo-and-rto>

**NEW QUESTION 235**

- (Exam Topic 5)

You plan to migrate on-premises MySQL databases to Azure Database for MySQL Flexible Server.

You need to recommend a solution for the Azure Database for MySQL Flexible Server configuration. The solution must meet the following requirements:

- The databases must be accessible if a datacenter fails.
- Costs must be minimized.

Which compute tier should you recommend?

- A. Burstable
- B. General Purpose
- C. Memory Optimized

**Answer: C**

**NEW QUESTION 240**

- (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, 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 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**



- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Graphical user interface, application Description automatically generated

**NEW QUESTION 244**

- (Exam Topic 5)

You have an app named App1 that uses an on-premises Microsoft SQL Server database named DB1. You plan to migrate DB1 to an Azure SQL managed instance.

You need to enable customer-managed Transparent Data Encryption (TDE) for the instance. The solution must maximize encryption strength.

Which type of encryption algorithm and key length should you use for the TDE protector?

- A. AES256
- B. RSA4096
- C. RSA2048
- D. RSA3072

**Answer: D**

**NEW QUESTION 246**

- (Exam Topic 5)

You have an Azure subscription. The subscription has a blob container that contains multiple blobs. Ten users in the finance department of your company plan to access the blobs during the month of April. You need to recommend a solution to enable access to the blobs during the month of April only. Which security solution should you include in the recommendation?

- A. shared access signatures (SAS)
- B. access keys
- C. conditional access policies
- D. certificates

**Answer:** A

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-sas-overview>

**NEW QUESTION 250**

- (Exam Topic 5)

You are planning an Azure IoT Hub solution that will include 50,000 IoT devices.

Each device will stream data, including temperature, device ID, and time data. Approximately 50,000 records will be written every second. The data will be visualized in near real time.

You need to recommend a service to store and query the data.

Which two services can you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Table Storage
- B. Azure Event Grid
- C. Azure Cosmos DB SQL API
- D. Azure Time Series Insights

**Answer:** CD

**Explanation:**

D: Time Series Insights is a fully managed service for time series data. In this architecture, Time Series Insights performs the roles of stream processing, data store, and analytics and reporting. It accepts streaming data from either IoT Hub or Event Hubs and stores, processes, analyzes, and displays the data in near real time.

C: The processed data is stored in an analytical data store, such as Azure Data Explorer, HBase, Azure Cosmos DB, Azure Data Lake, or Blob Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/scenarios/time-series>

**NEW QUESTION 252**

- (Exam Topic 5)

Your company has the divisions shown in the following table.

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

Sub1 contains an Azure App Service web app named App1. App1 uses Azure AD for single-tenant user authentication. Users from contoso.com can authenticate to App1.

You need to recommend a solution to enable users in the fabrikam.com tenant to authenticate to App1. What should you recommend?

- A. Configure the Azure AD provisioning service.
- B. Configure Supported account types in the application registration and update the sign-in endpoint.
- C. Configure assignments for the fabrikam.com users by using Azure AD Privileged Identity Management (PIM).
- D. Enable Azure AD pass-through authentication and update the sign-in endpoint

**Answer:** C

**NEW QUESTION 254**

- (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 255**

- (Exam Topic 5)

You are designing an Azure governance solution.

All Azure resources must be easily identifiable based on the following operational information environment, owner, department and cost center

You need to ensure that you can use the operational information when you generate reports for the Azure resources.

What should you include in the solution?

- A. Azure Active Directory (Azure AD) administrative units
- B. an Azure data catalog that uses the Azure REST API as a data source
- C. an Azure policy that enforces tagging rules
- D. an Azure management group that uses parent groups to create a hierarchy

**Answer:** C

**Explanation:**

You use Azure Policy to enforce tagging rules and conventions. By creating a policy, you avoid the scenario of resources being deployed to your subscription that don't have the expected tags for your organization. Instead of manually applying tags or searching for resources that aren't compliant, you create a policy that automatically applies the needed tags during deployment.

Note: Organizing cloud-based resources is a crucial task for IT, unless you only have simple deployments. Use naming and tagging standards to organize your resources for these reasons:

Resource management: Your IT teams will need to quickly locate resources associated with specific workloads, environments, ownership groups, or other important information. Organizing resources is critical to assigning organizational roles and access permissions for resource management.

Reference:

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/decision-guides/resource-tagging> <https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/tag-policies>

**NEW QUESTION 258**

- (Exam Topic 5)

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

- > Maximize data load performance.
- > Eliminate the need to define external tables before the data loads.

What should you use?

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

**Answer:** B

**NEW QUESTION 259**

- (Exam Topic 5)

Your company has an app named App1 that uses data from the on-premises Microsoft SQL Server databases shown in the following table.

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

App1 and the data are used on the first day of the month only. The data is not expected to grow more than 3% each year.

The company is rewriting App1 as an Azure web app and plans to migrate all the data to Azure. You need to migrate the data to Azure SQL Database. The solution must minimize costs. Which service tier should you use?

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

**Answer:** B

**Explanation:**

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

**NEW QUESTION 262**

- (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.

Services

Answer Area

- an internal Azure Load Balancer
- an Azure AD conditional access policy
- Azure AD Application Proxy
- an Azure AD managed identity
- a public Azure Load Balancer
- an Azure AD enterprise application
- an App Service plan



- 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 263**

- (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 265**

- (Exam Topic 5)

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

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

Client applications will access database servers by using db.contoso.com.  
 You need to recommend load balancing services for the planned deployment. The solution must meet the following requirements:

- > Access to at least one database server must be maintained in the event of a regional outage.
- > The virtual machines must not connect to the internet directly.

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

NOTE: Each correct selection is worth one point.

Global load balancing service:

	▼
Azure Application Gateway	
Azure Front Door	
Azure Load Balancer	
Azure Traffic Manager	

Availability Zone load balancing service:

	▼
Azure Application Gateway	
Azure Front Door	
Azure Load Balancer	
Azure Traffic Manager	

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: Azure Traffic Manager

Traffic Manager is a DNS-based traffic load balancer that enables you to distribute traffic optimally to services across global Azure regions, while providing high availability and responsiveness. Because Traffic Manager is a DNS-based load-balancing service, it load balances only at the domain level. For that reason, it can't fail over as quickly as Front Door, because of common challenges around DNS caching and systems not honoring DNS TTLs.

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

Reference:

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

**NEW QUESTION 269**

- (Exam Topic 5)

You have an on-premises file server that stores 2 TB of data files.

You plan to move the data files to Azure Blob Storage in the West Europe Azure region,

You need to recommend a storage account type to store the data files and a replication solution for the storage account. The solution must meet the following requirements:

- Be available if a single Azure datacenter fails.
- Support storage tiers.
- Minimize cost.

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

**Answer Area**

Storage Account type:

Premium block blobs
Standard general-purpose v1
Standard general-purpose v2

Redundancy:

Geo-redundant storage (GRS)
Zone-redundant storage (ZRS)
Locally-redundant storage (LRS)
Read-access geo-redundant storage (RA-GRS)

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Account Type: StorageV2

Replication solution: Zone-redundant storage (ZRS) <https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy>

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy#supported-azure-storage-services> <https://docs.microsoft.com/en-us/azure/storage/common/storage-account-overview#types-of-storage-accounts>

Data must be available if a single Azure datacenter fails. It means the storage account must support ZRS replication. Also, solution should support storage tiers. Only General-purpose V2 supports ZRS and storage tiers.

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

**NEW QUESTION 271**

- (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.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to storage2.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to storage2.	<input type="radio"/>	<input type="radio"/>

- 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 272**

- (Exam Topic 5)

You have an Azure subscription.

You plan to deploy five storage accounts that will store block blobs and five storage accounts that will host file shares. The file shares will be accessed by using the SMB protocol.

You need to recommend an access authorization solution for the storage accounts. The solution must meet the following requirements:

- Maximize security.
- Prevent the use of shared keys.
- Whenever possible, support time-limited access.

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

Answer Area

For the blobs:

For the file shares:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
 Answer Area

For the blobs:

For the file shares:

NEW QUESTION 276

- (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

To collect the event logs:

To support the DCRs:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
 Answer Area

To collect the event logs:

To support the DCRs:

**NEW QUESTION 278**

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