



**Microsoft**

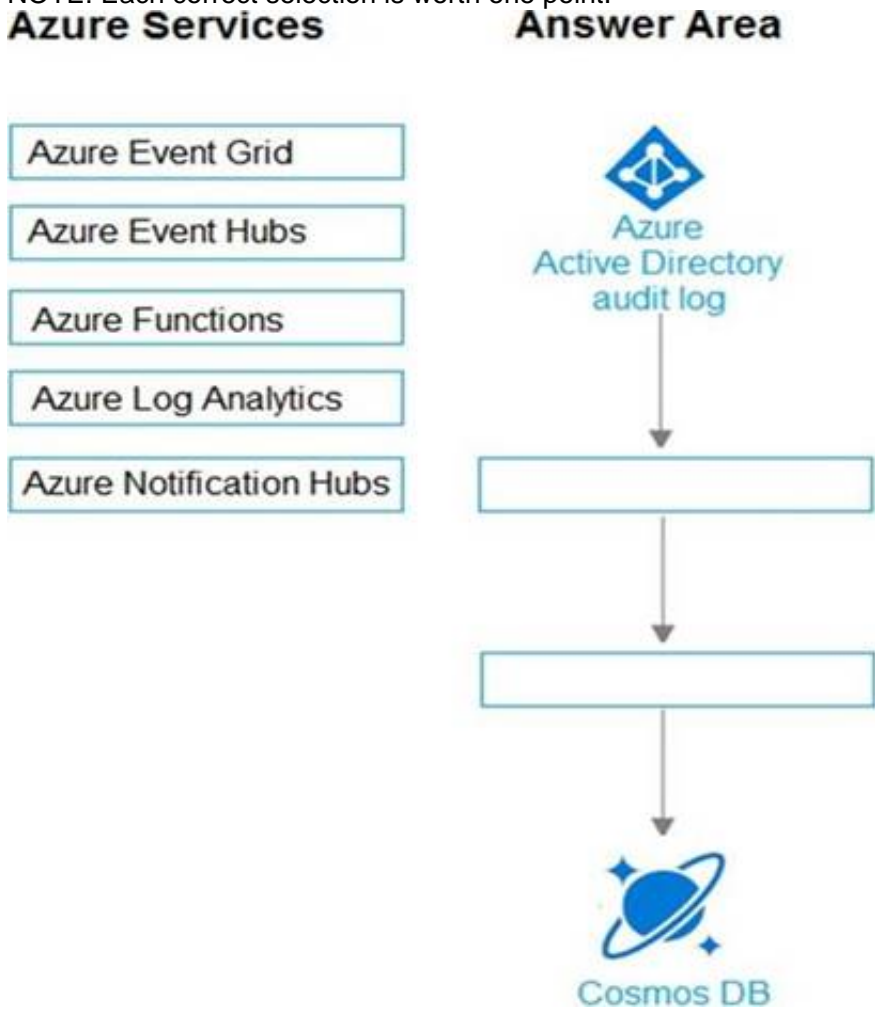
## **Exam Questions AZ-305**

Designing Microsoft Azure Infrastructure Solutions

NEW QUESTION 1

- (Exam Topic 4)

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

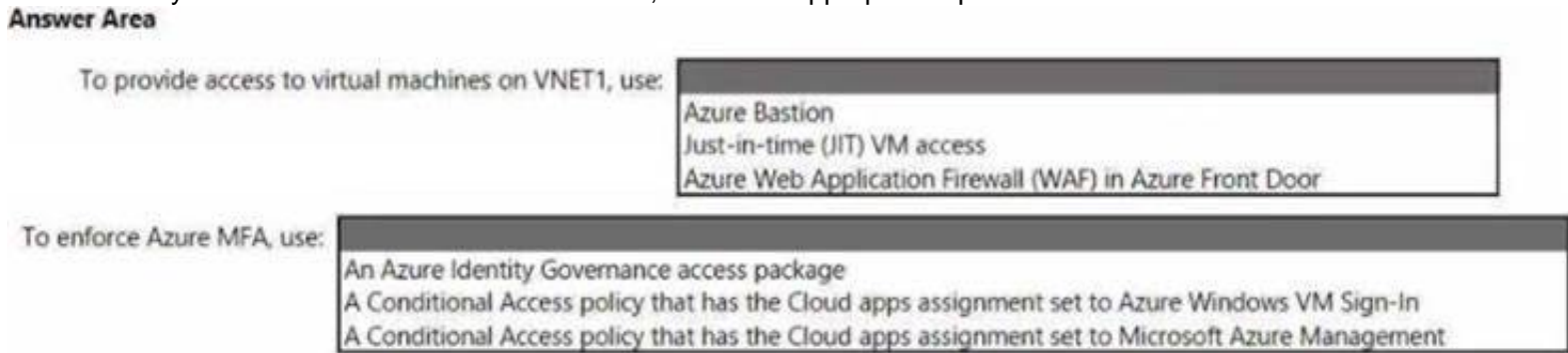
NEW QUESTION 2

- (Exam Topic 4)

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1. You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

- Incoming connections to the virtual machines must be authenticated by using Azure Multi-Factor Authentication (MFA) before network connectivity is allowed.
- Incoming connections must use TLS and connect to TCP port 443.
- The solution must support RDP and SSH.

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

#### Answer Area

To provide access to virtual machines on VNET1, use:

Azure Bastion
<b>Just-in-time (JIT) VM access</b>
Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

<b>An Azure Identity Governance access package</b>
A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-in
A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

#### NEW QUESTION 3

- (Exam Topic 4)

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

Contoso establishes a partnership with another company named Fabrikam. IncL

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

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

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

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

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

**Answer:** D

#### Explanation:

API Management helps organizations publish APIs to external, partner, and internal developers to unlock the potential of their data and services.

You can secure API Management using the OAuth 2.0 client credentials flow. Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-key-concepts> <https://docs.microsoft.com/en-us/azure/api-management/api-management-features> <https://docs.microsoft.com/en-us/azure/api-management/api-management-howto-protect-backend-with-aad#ena>

#### NEW QUESTION 4

- (Exam Topic 4)

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
<b>Standard general-purpose v2</b>

Redundancy:

Geo-redundant storage (GRS)
<b>Zone-redundant storage (ZRS)</b>
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 5

- (Exam Topic 4)

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 6

- (Exam Topic 4)

You are designing a large Azure environment that will contain many subscriptions. You plan to use Azure Policy as part of a governance solution.

To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

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

**Answer:** ABD

#### Explanation:

Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules. Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

#### NEW QUESTION 7

- (Exam Topic 4)

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

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

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

Several VMs are exhibiting network connectivity issues.

You need to analyze the network traffic to determine whether packets are being allowed or denied to the VMs. Solution: Use the Azure Advisor 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: Advisor is a personalized cloud consultant that helps you follow best practices to optimize your Azure deployments. It analyzes your resource configuration and usage telemetry and then recommends solutions that can help you improve the cost effectiveness, performance, high availability, and security of your Azure resources.

With Advisor, you can:

Get proactive, actionable, and personalized best practices recommendations.

Improve the performance, security, and high availability of your resources, as you identify opportunities to reduce your overall Azure spend.

Get recommendations with proposed actions inline. Reference:

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

#### NEW QUESTION 8

- (Exam Topic 4)

You have an Azure Active Directory (Azure AD) tenant named contoso.com that has a security group named Group1. Group1 is configured to be 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 AU 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 the basis of its attributes (department, job title, 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 9**

- (Exam Topic 4)

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	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">&gt;</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">&lt;</div> </div> </div> </div>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">↑</div> </div> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 20px;">↓</div> </div> </div> </div>
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:**

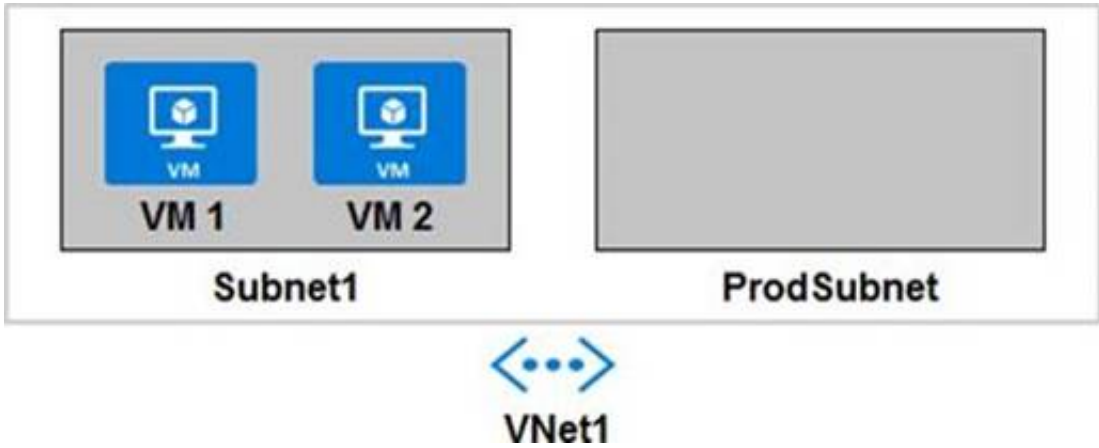
AD Application Proxy  
 AD Enterprise Application  
 AD Conditional access policy  
<https://thesleepyadmins.com/2019/02/>

**NEW QUESTION 10**

- (Exam Topic 4)

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.)

Virtual network Off External Internal

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 10  
- (Exam Topic 4)

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. Does this meet the goal?

- A. Yes
- B. No

Answer: A

**Explanation:**  
Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.  
Reference:  
<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

NEW QUESTION 11  
- (Exam Topic 4)

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 13

- (Exam Topic 4)

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

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies.

Solution: You deploy an Azure virtual machine to two Azure regions, and you deploy an Azure Application Gateway.

Does this meet the goal?

- A. Yes  
B. No

**Answer:** B

#### Explanation:

You need to deploy two Azure virtual machines to two Azure regions, but also create a Traffic Manager profile.

### NEW QUESTION 17

- (Exam Topic 4)

You have an Azure web app named App1 and an Azure key vault named KV1. App1 stores database connection strings in KV1.

App1 performs the following types of requests to KV1:

- Get
- List
- Wrap
- Delete
- Unwrap
- Backup
- Decrypt
- Encrypt

You are evaluating the continuity of service for App1.

You need to identify the following if the Azure region that hosts KV1 becomes unavailable:

- > To where will KV1 fail over?
- > During the failover, which request type will be unavailable?

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

To where will KV1 fail over?

A server in the same Availability Set

A server in the same fault domain

A server in the same paired region

A virtual machine in a scale set

During the failover, which request type will be unavailable?

Backup

Decrypt

Delete

Encrypt

Get

List

Unwrap

Wrap

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Table Description automatically generated

Box 1: A server in the same paired region

The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away, but within the same geography to maintain high durability of your keys and secrets.

Box 2: Delete

During failover, your key vault is in read-only mode. Requests that are supported in this mode are:

- > List certificates
- > Get certificates
- > List secrets
- > Get secrets
- > List keys
- > Get (properties of) keys
- > Encrypt
- > Decrypt
- > Wrap
- > Unwrap
- > Verify
- > Sign
- > Backup

Reference:

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

**NEW QUESTION 22**

- (Exam Topic 4)

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



## Policy 1

 Associated items  Delete  Save  Discard

### Backup schedule

\*Frequency \*Time \*Timezone  
 Daily 6:00 PM (UTC) Coordinated Univer...

### Instant Restore

Retain instant recovery snapshot(s) for

3 ✓ Day(s) 

### Retention range

☒ Retention of daily backup point.

\*At For  
 6:00 PM 90 ✓ Day(s)

☒ Retention of weekly backup point.

\*On \*At For  
 Sunday 6:00 PM 26 ✓ Week(s)

☒ Retention of monthly backup point.

Week Based

Day Based

\*On \*Day \*At For  
 First Sunday 6:00 PM 36 Month(s)

☐ Retention of yearly backup point.

Not Configured

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.

### Answer Area

Virtual machines that are backed up by 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 26**

- (Exam Topic 4)

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.

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

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

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

Solution: You recommend using the Regulatory compliance dashboard in Azure Security Center. Does this meet the goal?

- A. Yes  
B. No

**Answer:** B

**Explanation:**

The Regulatory compliance dashboard in Azure Security Center is not used for regional compliance. Note: Instead Azure Resource Policy Definitions can be used which can be applied to a specific Resource Group with the App Service instances.

Note 2: In the Azure Security Center regulatory compliance blade, you can get an overview of key portions of your compliance posture with respect to a set of supported standards. Currently supported standards are Azure CIS, PCI DSS 3.2, ISO 27001, and SOC TSP.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>

<https://azure.microsoft.com/en-us/blog/regulatory-compliance-dashboard-in-azure-security-center-now-available>

**NEW QUESTION 30**

- (Exam Topic 4)

You plan to create an Azure Storage account that will host file shares. The shares will be accessed from on-premises applications that are transaction-intensive.

You need to recommend a solution to minimize latency when accessing the file shares. The solution must provide the highest-level of resiliency for the selected storage tier.

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

NOTE: Each correct selection is worth one point.

**Answer Area**

Storage tier:

	▼
Hot	
Premium	
Transaction optimized	

Redundancy:

	▼
Geo-redundant storage (GRS)	
Zone-redundant storage (ZRS)	
Locally-redundant storage (LRS)	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Premium

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

Box 2: Zone-redundant storage (ZRS):

Premium Azure file shares only support LRS and ZRS.

Zone-redundant storage (ZRS): With ZRS, three copies of each file stored, however these copies are physically isolated in three distinct storage clusters in different Azure availability zones.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning>

**NEW QUESTION 32**

- (Exam Topic 4)

Your company has the divisions shown in the following table.

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

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

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

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

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

NOTE: Each correct selection is worth one point.

**Answer Area**

Management groups:

▼

1

2

3

4

Blueprint definitions:

▼

1

2

3

4

Blueprint assignments:

▼

1

2

3

4

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: 2

One management group for East, and one for West.

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

Box 2: 2

Box 3: 4

One assignment for each subscription.

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

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

**NEW QUESTION 33**

- (Exam Topic 4)

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

You need to recommend a solution to verify whether the Fabric developers still require permissions to Application1. The solution must meet the following requirements.

- \* To the manager of the developers, send a monthly email message that lists the access permissions to Application1.
- \* If the manager does not verify access permission, automatically revoke that permission.
- \* Minimize development effort. What should you recommend?

A. In Azure Active Directory (AD) Privileged Identity Management, create a custom role assignment for the Application1 resources

- B. Create an Azure Automation runbook that runs the Get-AzureADUserAppRoleAssignment cmdlet
- C. Create an Azure Automation runbook that runs the Get-AzureRmRoleAssignment cmdlet
- D. In Azure Active Directory (Azure AD), create an access review of Application1

**Answer:** D

**Explanation:**

<https://docs.microsoft.com/en-us/azure/active-directory/governance/manage-user-access-with-access-reviews> Azure Active Directory (Azure AD) access reviews enable organizations to efficiently manage group memberships, access to enterprise applications, and role assignments. User's access can be reviewed on a regular basis to make sure only the right people have continued access. Have reviews recur periodically: You can set up recurring access reviews of users at set frequencies such as weekly, monthly, quarterly or annually, and the reviewers will be notified at the start of each review. Reviewers can approve or deny access with a friendly interface and with the help of smart recommendations.

Why are access reviews important?

"Azure AD enables you to collaborate with users from inside your organization and with external users. Users can join groups, invite guests, connect to cloud apps, and work remotely from their work or personal devices. The convenience of using self-service has led to a need for better access management capabilities."

**NEW QUESTION 35**

- (Exam Topic 4)

You have an Azure subscription that contains an Azure Blob storage account named store1.

You have an on-premises file server named Setver1 that runs Windows Server 2016. Server1 stores 500 GB of company files.

You need to store a copy of the company files from Server 1 in store1.

Which two possible Azure services achieve this goal? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point

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

**Answer:** DE

**Explanation:**

<https://docs.microsoft.com/en-us/azure/storage/common/storage-import-export-data-from-blobs> <https://docs.microsoft.com/en-us/answers/questions/311113/fastest-method-to-copy-500gb-table-from-on-premise>

**NEW QUESTION 38**

- (Exam Topic 4)

Your on-premises network contains a file server named Server1 that stores 500 GB of data. You need to use Azure Data Factory to copy the data from Server1 to Azure Storage.

You add a new data factory.

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

From Server1:

▼
Install an Azure File Sync agent
Install a self-hosted integration runtime
Install the File Server Resource Manager role service

From the data factory:

▼
Create a pipeline
Create an import/export job
Provision an Azure-SQL Server Integration Services (SSIS) integration runtime

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

Box 1: Install a self-hosted integration runtime

The Integration Runtime is a customer-managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.

Box 2: Create a pipeline

With ADF, existing data processing services can be composed into data pipelines that are highly available and managed in the cloud. These data pipelines can be scheduled to ingest, prepare, transform, analyze, and publish data, and ADF manages and orchestrates the complex data and processing dependencies

References:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf> <https://docs.microsoft.com/pl-pl/azure/data-factory/tutorial-hybrid-copy-data-tool>

syu31svc 3 months, 4 weeks ago

<https://docs.microsoft.com/en-us/azure/data-factory/create-self-hosted-integration-runtime?tabs=data-factory> "A self-hosted integration runtime can run copy activities between a cloud data store and a data store in a private network"

<https://docs.microsoft.com/en-us/azure/data-factory/introduction>



"With Data Factory, you can use the Copy Activity in a data pipeline to move data from both on-premises and cloud source data stores to a centralization data store in the cloud for further analysis"

#### NEW QUESTION 41

- (Exam Topic 4)

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

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

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

What should you include in the recommendation? To answer, drag the appropriate network addresses to the correct subnets. Each network address may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.



- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:



#### NEW QUESTION 42

- (Exam Topic 4)

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 45

- (Exam Topic 4)

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

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

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

AzCopy

Azure Cosmos DB Data Migration Tool

Data Management Gateway

Data Migration Assistant

Answer Area

From the SQL Server 2012 database:

Tool

From the table in the SQL Server 2014 database:

Tool

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 49

- (Exam Topic 4)  
You are designing an application that will use Azure Linux virtual machines to analyze video files. The files will be uploaded from corporate offices that connect to Azure by using ExpressRoute.  
You plan to provision an Azure Storage account to host the files.  
You need to ensure that the storage account meets the following requirements:

- Supports video files of up to 7 TB
- Provides the highest availability possible
- Ensures that storage is optimized for the large video files
- Ensures that files from the on-premises network are uploaded by using ExpressRoute

How should you configure the storage account? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:

Premium file shares  
Premium page blobs  
Standard general-purpose v2

Data redundancy:

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

Networking:

Azure Route Server  
A private endpoint  
A service endpoint

These are the selections for Data redundancy

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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## Answer Area

Storage account type:

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

Data redundancy:

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

Networking:

- Azure Route Server
- A private endpoint
- A service endpoint

These are the selections for Data redundancy

### NEW QUESTION 50

- (Exam Topic 4)

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

Name	Type	Kind	Location
storage1	Azure Storage account	Storage	East US
storage2	Azure Storage account	StorageV2	East US
Workspace1	Azure Log Analytics workspace	Not applicable	East US
Workspace2	Azure Log Analytics workspace	Not applicable	East US
Hub1	Azure event hub	Not applicable	East US

You create an Azure SQL database named DB1 that is hosted in the East US region.

To DB1, you add a diagnostic setting named Settings1. Settings1 archives SQLInsights to storage1 and sends SQLInsights to Workspace1.

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

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	<input type="radio"/>	<input type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	<input type="radio"/>	<input type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

#### Explanation:

Box 1: Yes

Box 2: Yes

Box 3: Yes

For more information on Azure SQL diagnostics , you can visit the below link

<https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-expo>

### NEW QUESTION 55

- (Exam Topic 4)

DRAG DROP

A company has an existing web application that runs on virtual machines (VMs) in Azure.

You need to ensure that the application is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruption to the code for the existing web application.

What should you recommend? To answer, drag the appropriate values to the correct items. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



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

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Box 1: Azure Application Gateway

Azure Application Gateway provides an application delivery controller (ADC) as a service. It offers various layer 7 load-balancing capabilities for your applications.

Box 2: Web Application Firewall (WAF)

Application Gateway web application firewall (WAF) protects web applications from common vulnerabilities and exploits.

This is done through rules that are defined based on the OWASP core rule sets 3.0 or 2.2.9.

There are rules that detects SQL injection attacks. References:

<https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-faq> <https://docs.microsoft.com/en-us/azure/application-gateway/waf-overview>

**NEW QUESTION 59**

- (Exam Topic 4)

You have an Azure subscription.

You need to recommend an Azure Kubernetes service (AKS) solution that will use Linux nodes. The solution must meet the following requirements:

- Minimize the time it takes to provision compute resources during scale-out operations.
- Support autoscaling of Linux containers.
- Minimize administrative effort.

Which scaling option should you recommend?

- A. Virtual Kubetet  
 B. cluster autoscaler  
 C. virtual nodes  
 D. horizontal pod autoscaler

**Answer:** C

**Explanation:**

<https://docs.microsoft.com/en-us/azure/aks/virtual-nodes>

**NEW QUESTION 61**

- (Exam Topic 4)

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2012 R2 instances. The instances host databases that have the following characteristics:

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

You plan to move all the data from SQL Server to Azure.

You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

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

What should you include in the recommendation?

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

**Answer:** B



#### Explanation:

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

SQL Managed Instance allows existing SQL Server customers to lift and shift their on-premises applications to the cloud with minimal application and database changes. At the same time, SQL Managed Instance preserves all PaaS capabilities (automatic patching and version updates, automated backups, high availability) that drastically reduce management overhead and TCO.

<https://docs.microsoft.com/en-us/azure/azure-sql/managed-instance/transact-sql-tsql-differences-sql-server#clr> <https://docs.microsoft.com/en-gb/azure/azure-sql/database/transact-sql-tsql-differences-sql-server#transact-sql-s>

#### NEW QUESTION 62

- (Exam Topic 4)

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

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

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

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

#### Answer Area

Key Vault integration method:

Key Vault references in Application settings  
 Key Vault references in Appsettings.json  
 Key Vault references in Web.config  
 Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get  
 Keys: List and Get  
 Secrets: Get  
 Secrets: List and Get

- A. Mastered  
 B. Not Mastered

Answer: A

#### Explanation:

#### Answer Area

Key Vault integration method:

Key Vault references in Application settings  
 Key Vault references in Appsettings.json  
 Key Vault references in Web.config  
 Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get  
 Keys: List and Get  
 Secrets: Get  
 Secrets: List and Get

#### NEW QUESTION 65

- (Exam Topic 4)

You have an Azure subscription.

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

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

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

Answer: D

#### Explanation:

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

#### NEW QUESTION 70

- (Exam Topic 4)

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	<div><div></div><div>All methods GET only GET and POST only GET, POST, and OPTIONS only</div></div>
Authorization level	<div><div></div><div>Function Anonymous Admin</div></div>

- 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 73

- (Exam Topic 3)  
You need to recommend a solution that meets the file storage requirements for App2.  
What should you deploy to the Azure subscription and the on-premises network? To answer, drag the appropriate services to the correct locations. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.  
NOTE: Each correct selection is worth one point.

Services

Azure Blob Storage

Azure Data Box

Azure Data Box Gateway

Azure Data Lake Storage

Azure File Sync

Azure Files

Answer Area

Azure subscription:

Service

On-premises network:

Service

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, application Description automatically generated  
Box 1: Azure Files  
Scenario: App2 has the following file storage requirements:  
➤ Save files to an Azure Storage account.  
➤ Replicate files to an on-premises location.  
➤ Ensure that on-premises clients can read the files over the LAN by using the SMB protocol.  
Box 2: Azure File Sync

Use Azure File Sync to centralize your organization's file shares in Azure Files, while keeping the flexibility, performance, and compatibility of an on-premises file server. Azure File Sync transforms Windows Server into a quick cache of your Azure file share. You can use any protocol that's available on Windows Server to access your data locally, including SMB, NFS, and FTPS. You can have as many caches as you need across the world.  
Reference:  
<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-deployment-guide>

**NEW QUESTION 76**

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

Authenticate App1 by using:

	▼
A certificate	
A service principal	
A system-assigned managed identity	
A user-assigned managed identity	

Authorize App1 to retrieve Key Vault secrets by using:

	▼
An access policy	
A connected service	
A private link	
A role assignment	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Graphical user interface, text, application, table Description automatically generated  
Scenario: Security Requirement

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

**NEW QUESTION 80**

- (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 82**

- (Exam Topic 2)  
You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

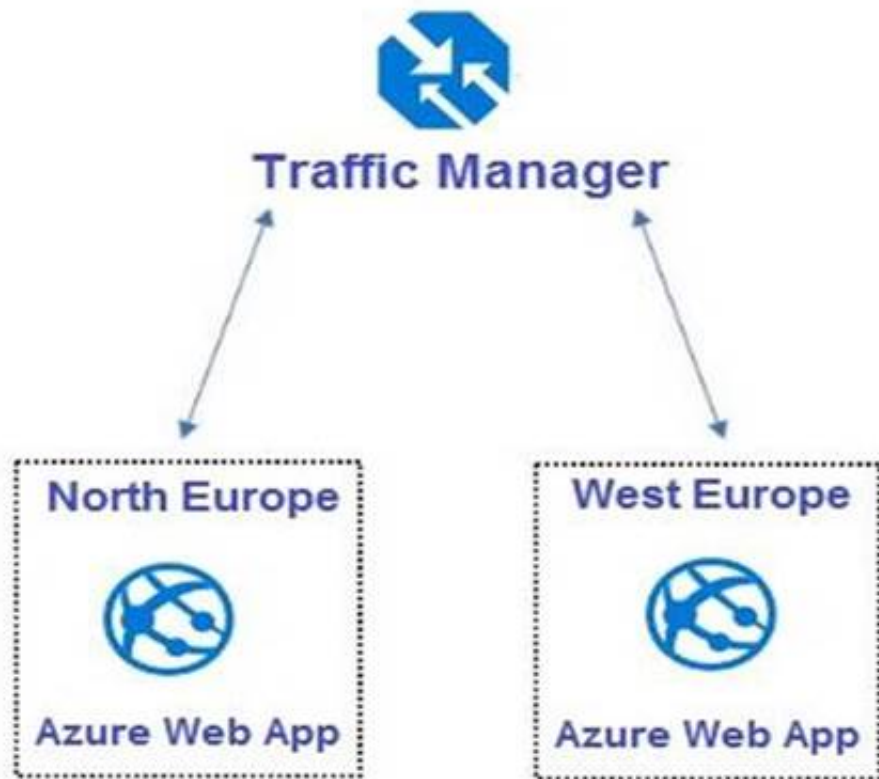
- A. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.
- B. Configure the Scale Up settings for a web app.
- C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- D. Configure the Scale Out settings for a web app.

Answer: A

**NEW QUESTION 87**

- (Exam Topic 2)

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



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

Statements	Yes	No
The design supports the technical requirements for redundancy.	<input type="radio"/>	<input type="radio"/>
The design supports autoscaling.	<input type="radio"/>	<input type="radio"/>
The design requires a manual configuration if an Azure region fails.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Yes

Any new deployments to Azure must be redundant in case an Azure region fails.

Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Box 2: Yes

Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens on App Service plan level and has effect on all Web Apps running in that App Service plan).

Box 3: No

Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Reference:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview> <https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/>

**NEW QUESTION 92**

- (Exam Topic 2)

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

- A. Azure Network Watcher
- B. an action group
- C. a SendGrid account with advanced reporting
- D. Azure AD Connect Health

**Answer:** D

**Explanation:**

References:

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

**NEW QUESTION 95**

- (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 99

- (Exam Topic 1)  
You plan to migrate DB1 and DB2 to Azure.  
You need to ensure that the Azure database and the service tier meet the resiliency and business requirements. What should you configure? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Answer Area

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:

Answer Area

Database:

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

Service tier:

Hyperscale  
Business Critical  
General Purpose

NEW QUESTION 102

- (Exam Topic 1)

You plan to migrate App1 to Azure.

You need to recommend a high-availability solution for App1. The solution must meet the resiliency requirements.

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

NOTE: Each correct selection is worth one point.

Number of host groups:

1  
2  
3  
6

Number of virtual machine scale sets:

0  
1  
3

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

Box 1: 3

Scenario: App1 must meet the following requirements:

- > Be hosted in an Azure region that supports availability zones.
- > Maintain availability if two availability zones in the local Azure region fail.

A host group is a resource that represents a collection of dedicated hosts. You create a host group in a region and an availability zone, and add hosts to it.

Use Availability Zones for fault isolation

Availability zones are unique physical locations within an Azure region. Each zone is made up of one or more datacenters equipped with independent power, cooling, and networking. A host group is created in a single availability zone. Once created, all hosts will be placed within that zone. To achieve high availability across zones, you need to create multiple host groups (one per zone) and spread your hosts accordingly.

Box 2: 1

Scenario: App1 must meet the following requirements:

- > Be hosted on Azure virtual machines that support automatic scaling.

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application.

Reference:  
<https://docs.microsoft.com/en-us/azure/virtual-machines/dedicated-hosts>  
<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-overview>

NEW QUESTION 105

- (Exam Topic 1)  
You need to configure an Azure policy to ensure that the Azure SQL databases have TDE enabled. The solution must meet the security and compliance requirements.  
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Create an Azure policy definition that uses the deployIfNotExists effect.

Create a user-assigned managed identity.

Invoke a remediation task.

Create an Azure policy assignment.

Create an Azure policy definition that uses the Modify effect.

Answer Area

⏪

⏩

⏴

⏵

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A picture containing text Description automatically generated  
Scenario: All Azure SQL databases in the production environment must have Transparent Data Encryption (TDE) enabled.  
Step 1: Create an Azure policy definition that uses the deployIfNotExists identity.  
The first step is to define the roles that deployIfNotExists and modify needs in the policy definition to successfully deploy the content of your included template.  
Step 2: Create an Azure policy assignment  
When creating an assignment using the portal, Azure Policy both generates the managed identity and grants it the roles defined in roleDefinitionIds.  
Step 3: Invoke a remediation task  
Resources that are non-compliant to a deployIfNotExists or modify policy can be put into a compliant state through Remediation. Remediation is accomplished by instructing Azure Policy to run the deployIfNotExists effect or the modify operations of the assigned policy on your existing resources and subscriptions, whether that assignment is to a management group, a subscription, a resource group, or an individual resource.  
During evaluation, the policy assignment with deployIfNotExists or modify effects determines if there are non-compliant resources or subscriptions. When non-compliant resources or subscriptions are found, the details are provided on the Remediation page.  
Reference:  
<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

NEW QUESTION 107

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