

# Microsoft.AZ-305.v2022-11-28.q118

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<b>Exam Name:</b>	Designing Microsoft Azure Infrastructure Solutions
<b>Certification Provider:</b>	Microsoft
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<b># of views:</b>	2074
<b># of Questions views:</b>	1180
<a href="https://www.freepdfdumps.com/Microsoft.AZ-305.v2022-11-28.q118.html">https://www.freepdfdumps.com/Microsoft.AZ-305.v2022-11-28.q118.html</a>	

## NEW QUESTION: 1

You are designing an Azure solution.

The network traffic for the solution must be securely distributed by providing the following features:

HTTPS protocol

Round robin routing

SSL offloading

You need to recommend a load balancing option.

What should you recommend?

- A. Azure Load Balancer
- B. Azure Traffic Manager
- C. Azure Internal Load Balancer (ILB)
- D. Azure Application Gateway

**Answer: (SHOW ANSWER)**

If you are looking for Transport Layer Security (TLS) protocol termination ("SSL offload") or per-HTTP/HTTPS request, application-layer processing, review Application Gateway.

Application Gateway is a layer 7 load balancer, which means it works only with web traffic (HTTP, HTTPS, WebSocket, and HTTP/2). It supports capabilities such as SSL termination, cookie-based session affinity, and round robin for load-balancing traffic. Load Balancer load-balances traffic at layer 4 (TCP or UDP).

Reference:

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

## NEW QUESTION: 2

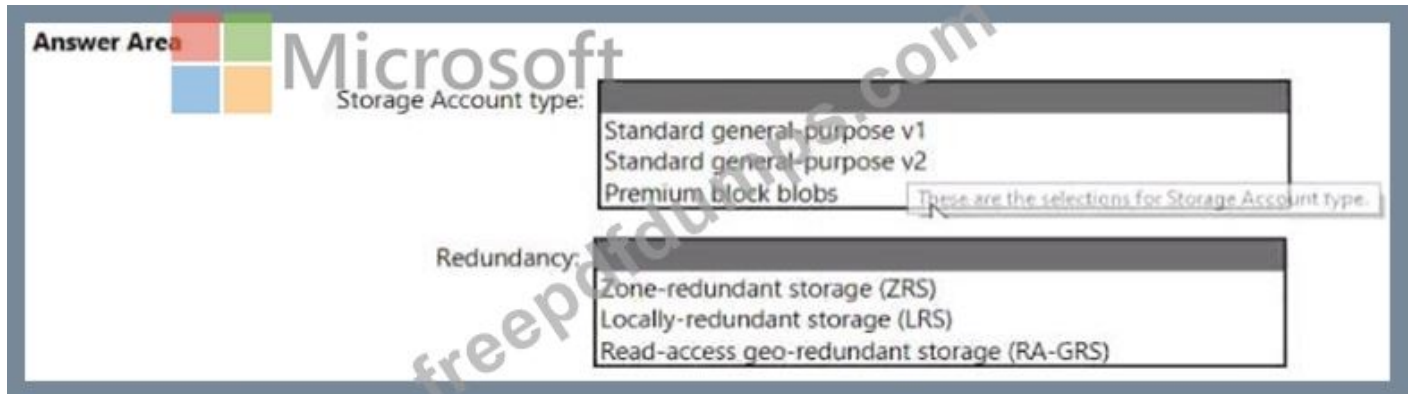
You plan to develop a new app that will store business critical data.

a. The app must meet the following requirements:

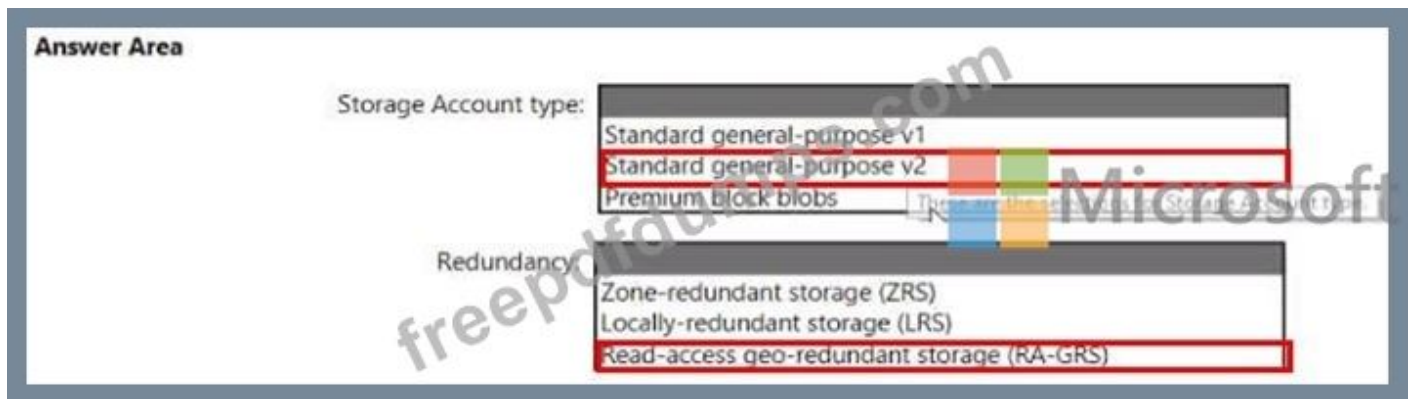
\* Prevent new data from being modified for one year.

- \* Maximize data resiliency.
- \* Minimize read latency.

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



**Answer:**



**NEW QUESTION: 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?

**Answer:**

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: 4**

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified.

Which storage solution should you recommend for archiving?

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

**Answer: B (LEAVE A REPLY)**

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.

Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval.

When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired, blobs can be deleted but not overwritten.

Reference:

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

### NEW QUESTION: 5

You plan to deploy an app that will use an Azure Storage account.

You need to deploy the storage account. The solution must meet the following requirements:

- \* Store the data of multiple users.
- \* Encrypt each user's data by using a separate key.
- \* Encrypt all the data in the storage account by using Microsoft keys or customer-managed keys.

What should you deploy?

- A. blobs in a general purpose v2 storage account
- B. files in a premium file share storage account.
- C. files in a general purpose v2 storage account.
- D. blobs in an Azure Data Lake Storage Gen2 account.

**Answer: (SHOW ANSWER)**

### NEW QUESTION: 6

You architect a solution that calculates 3D geometry from height-map data.

You have the following requirements:

Perform calculations in Azure.

Each node must communicate data to every other node.

Maximize the number of nodes to calculate multiple scenes as fast as possible.

Require the least amount of effort to implement.

You need to recommend a solution.

Which two actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable parallel file systems on Azure.
- B. Create a render farm that uses Azure Batch.
- C. Create a render farm that uses virtual machines (VMs).
- D. Enable parallel task execution on compute nodes.

E. Create a render farm that uses virtual machine (VM) scale sets.

Answer: B,D ([LEAVE A REPLY](#))

**NEW QUESTION: 7**

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

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

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

NOTE: Each correct selection is worth one point.

Storage tier:

- Hot
- Premium
- Transaction optimized

Resiliency:

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

Answer:

Storage tier:

- Hot
- Premium
- Transaction optimized

Resiliency:

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

Reference:

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

**NEW QUESTION: 8**

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 (LEAVE A REPLY)**

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: 9

You plan to develop a new app that will store business critical data.

a. The app must meet the following requirements:

\* Prevent new data from being modified for one year.

\* Maximize data resiliency.

\* Minimize read latency.

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

The screenshot shows an exam question interface. At the top left, there is a Microsoft logo and the text 'Answer Area'. Below the logo, the text 'Storage Account type:' is followed by a dropdown menu. The dropdown menu is open, showing three options: 'Standard general-purpose v1', 'Standard general-purpose v2', and 'Premium block blobs'. A tooltip points to the dropdown menu with the text 'These are the selections for Storage Account type.'. Below this, the text 'Redundancy:' is followed by another dropdown menu. This dropdown menu is also open, showing three options: 'Zone-redundant storage (ZRS)', 'Locally-redundant storage (LRS)', and 'Read-access geo-redundant storage (RA-GRS)'. A watermark 'freepdfdrive.com' is visible across the screenshot.

**Answer:**

**Answer Area**

Storage Account type:

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

These are the selections for Storage Account type.

Redundancy:



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

**NEW QUESTION: 10**

You plan to migrate App1 to Azure.

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

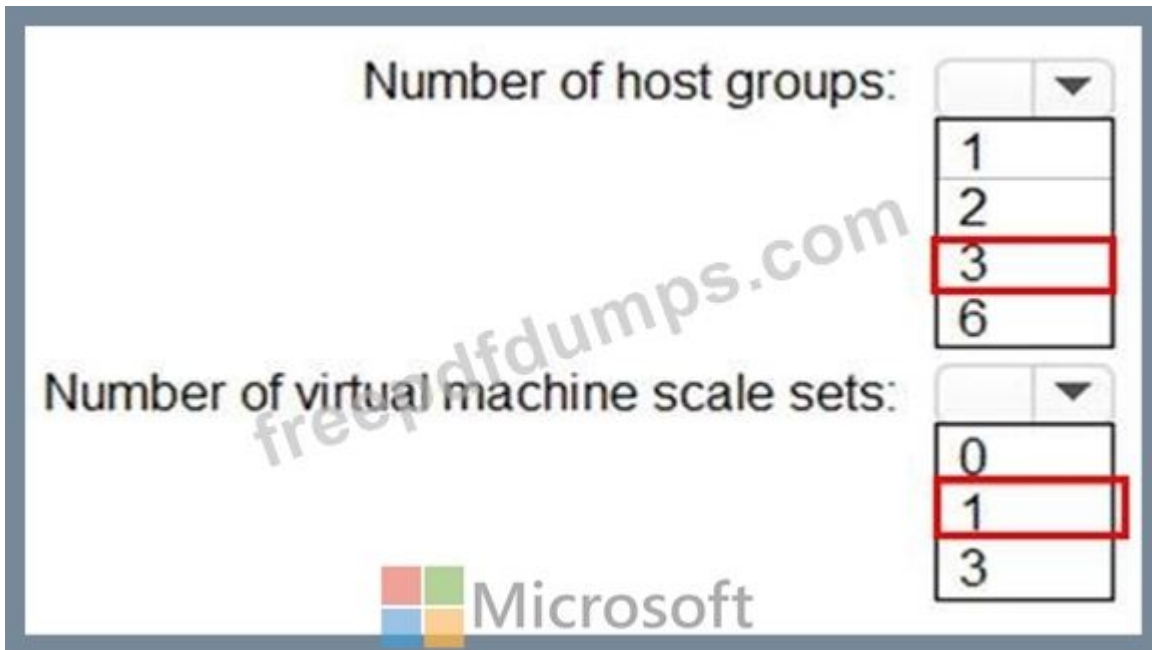
What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Number of host groups:

Number of virtual machine scale sets:

**Answer:**



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: 11

You plan to develop a new app that will store business critical data.

a. The app must meet the following requirements:


Prevent new data from being modified for one year.


Minimize read latency.

Maximize data resiliency.

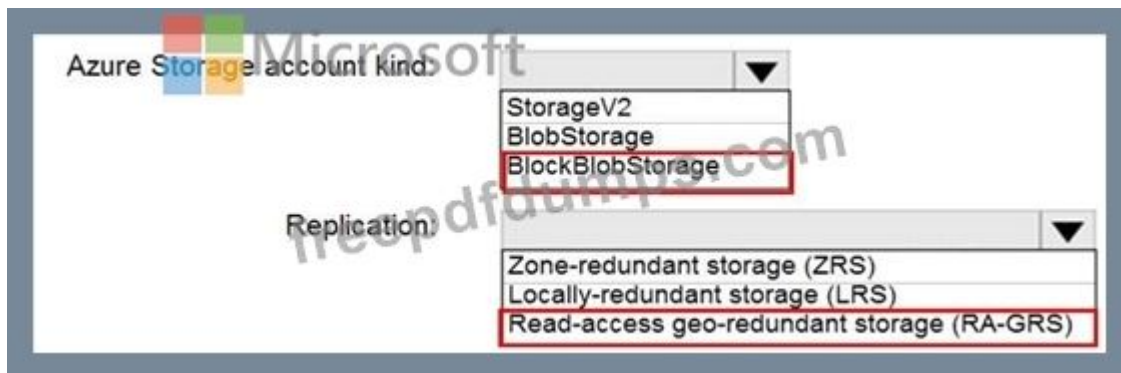
You need to recommend a storage solution for the app.

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

Azure Storage account kind:  StorageV2  
BlobStorage  
BlockBlobStorage

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

Answer:



Reference:

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

[https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?](https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy?toc=/azure/storage/blobs/toc.json)

[toc=/azure/storage/blobs/toc.json](https://docs.microsoft.com/en-us/azure/storage/blobs/toc.json)

### NEW QUESTION: 12

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: (SHOW ANSWER)**

<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-scenarios> 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-](https://docs.microsoft.com/en-us/azure/active-directory/governance/access-reviews-overview#example-license-scenarios)

reviews-overview#when-should-you-use-access-reviews 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/2267494> 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-reviews>

**NEW QUESTION: 13**


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**

- Web Application Firewall (WAF)
- Azure Application Gateway
- Azure Load Balancer
- Azure Traffic Manager
- SSL offloading
- URL-based content routing



**Answer Area**

	Item	Value
	Azure service	<input style="width: 100%;" type="text"/>
	Feature	<input style="width: 100%;" type="text"/>

**Answer:**

## Values

## Answer Area

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

Reference:

<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: 14

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


**Answer:**

Service:

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

Feature:

	▼
Access packages	
Access reviews	
Approvals	
Runbooks	



Reference:

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

**NEW QUESTION: 15**

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.

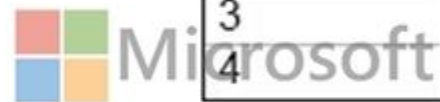
Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

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Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

**Answer:**

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	

Topic 1, Fabrikam, Inc

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam Berlin, and Rome.

Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only. The R&D department is restricted to using on-premises resources only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. 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. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1.

Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

#### Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

#### Requirements:

##### Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years. As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment. All R&D operations will remain on-premises. Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

##### Technical Requirements:

Fabrikam identifies the following technical requirements:

- \* Web site content must be easily updated from a single point.
- \* User input must be minimized when provisioning new app instances.
- \* Whenever possible, existing on premises licenses must be used to reduce cost.
- \* Users must always authenticate by using their corp.fabrikam.com UPN identity.
- \* Any new deployments to Azure must be redundant in case an Azure region fails.
- \* Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- \* An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- \* Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on premises network.

##### Database Requirements:

Fabrikam identifies the following database requirements:

- \* Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- \* To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- \* Database backups must be retained for a minimum of seven years to meet compliance requirement

##### Security Requirements:

Fabrikam identifies the following security requirements:

- \* Company information including policies, templates, and data must be inaccessible to anyone outside the company
- \* Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
- \* Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.
- \* All administrative access to the Azure portal must be secured by using multi-factor authentication.
- \* The testing of WebApp1 updates must not be visible to anyone outside the company.

**NEW QUESTION: 16**

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

**Answer:**

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

Reference:

<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"

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#### **NEW QUESTION: 17**

You plan to deploy an Azure Databricks Data Science & Engineering workspace and ingest data into the workspace.

Where should you persist the ingested data?

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

**Answer: B (LEAVE A REPLY)**

The Azure Databricks Data Science & Engineering data lands in a data lake for long term persisted storage, in Azure Blob Storage or Azure Data Lake Storage.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/scenarios/what-is-azure-databricks-ws>

#### **NEW QUESTION: 18**

You plan to deploy 10 applications to Azure. The applications will be deployed to two Azure Kubernetes Service (AKS) clusters. Each cluster will be deployed to a separate Azure region. The application deployment must meet the following requirements:

- \* Ensure that the applications remain available if a single AKS cluster fails.
- \* Ensure that the connection traffic over the internet is encrypted by using SSL without having to configure SSL on each container.

Which service should you include in the recommendation?

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

**Answer: C (LEAVE A REPLY)**

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

#### **NEW QUESTION: 19**

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

Policy1

Associated items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point.

\* At 6:00 PM For 90 Day(s)

Retention of weekly backup point.

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

Retention of monthly Backup point.

Week Based Day Based

\* On First \* Day Sunday \* At 6:00 PM For 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.

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

Microsoft	▼
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

Answer:

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



**NEW QUESTION: 20**

You are evaluating whether to use Azure Traffic Manager and Azure Application Gateway to meet the connection requirements for App1.

What is the minimum numbers of instances required for each service? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



Microsoft

Azure Traffic Manager:

1
2
3
6

Azure Application Gateway:

1
2
3
6

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Answer:

Answer Area

Azure Traffic Manager:

1
2
3
6



Microsoft

Azure Application Gateway:

1
2
3
6

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**NEW QUESTION: 21**

You deploy several Azure SQL Database instances.

You plan to configure the Diagnostics settings on the databases as shown in the following exhibit.

**Diagnostics settings** [Close] [Refresh]

Save Discard Delete

---

**Diagnostics**

Archive to a storage account

---

Storage account

csa14d260928e42x4ea7xb77 >

---

Stream to an event hub

Microsoft

Send to Log Analytics

---

Log Analytics >

fabrikamproductionworkspace

---

LOG

<input checked="" type="checkbox"/> SQLInsights	Retention (days) ●	<input type="range" value="90"/>	90
<input checked="" type="checkbox"/> AutomaticTuning	Retention (days) ●	<input type="range" value="30"/>	30
<input type="checkbox"/> QueryStoreRuntimeStatistics	Retention (days) ●	<input type="range" value="0"/>	0
<input type="checkbox"/> QueryStoreWaitStatistics	Retention (days) ●	<input type="range" value="0"/>	0

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].

Microsoft

	▼
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	

Answer:

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	

### NEW QUESTION: 22

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)

Answer:

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)

**NEW QUESTION: 23**

You need to design a storage solution for an app that will store large amounts of frequently used data. The solution must meet the following requirements:

Maximize data throughput.

Prevent the modification of data for one year.

Minimize latency for read and write operations.

Which Azure Storage account type and storage service should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Storage account type:

	▼
BlobStorage	
BlockBlobStorage	
FileStorage	
StorageV2 with Premium performance	
StorageV2 with Standard performance	

Storage service:

	▼
Blob	
File	
Table	



**Answer:**

Storage account type:

Storage account type dropdown menu options:

- BlobStorage
- BlockBlobStorage
- FileStorage
- StorageV2 with Premium performance
- StorageV2 with Standard performance

Storage service:

Storage service dropdown menu options:

- Blob
- File
- Table

Reference:

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

**NEW QUESTION: 24**

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

**Answer:**

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



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-directory#:~:text=Create%20an%20application%20registration%201%20Create%20an%20application,the%20options%20and%20click%20on%20Add%20permissions.%20>

"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."

"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: 25

Your company develops Azure applications.

You need to recommend a solution for the deployment of Azure subscriptions. The solution must meet the following requirements:

What should you include in the recommendation?

- A. Provision resource groups.
- B. Support deployments across all Azure regions.
- C. Create custom role-based access control (RBAC) roles.
- D. Provide consistent virtual machine and virtual network configurations.

**Answer: D (LEAVE A REPLY)**

Resource groups: You can scope your deployment to a resource group. You use an Azure Resource Manager template (ARM template) for the deployment.

Regions: If you have a template spec in one region and want to move it to new region, you can export the template spec and redeploy it.

RBAC: Azure role-based access control (Azure RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope. In addition to using Azure PowerShell or the Azure CLI, you can assign roles using Azure Resource Manager templates. Templates can be helpful if you need to deploy resources consistently and repeatedly You can setup Virtual machines and virtual network configurations in an Azure Resource Manager template.

Reference:

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

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

<https://docs.microsoft.com/en-us/azure/role-based-access-control/role-assignments-template>

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

### NEW QUESTION: 26

You have the Azure resources shown in the following table.

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

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

Azure configuration:

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

On-premises DNS configuration:

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

**Answer:**

Azure configuration:

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

On-premises DNS configuration:

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

### NEW QUESTION: 27

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.

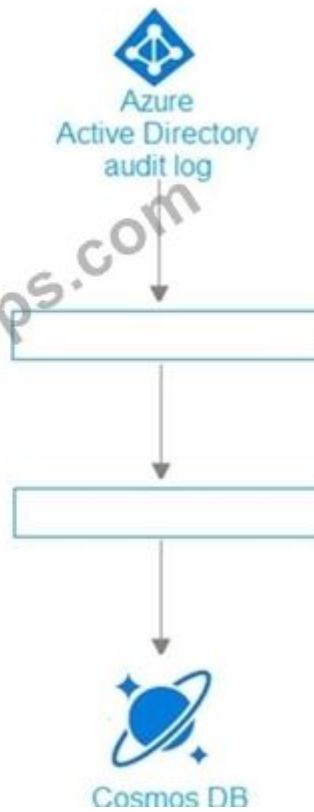
Which Azure services should you include in the design? To answer, drag the appropriate services to the correct targets. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

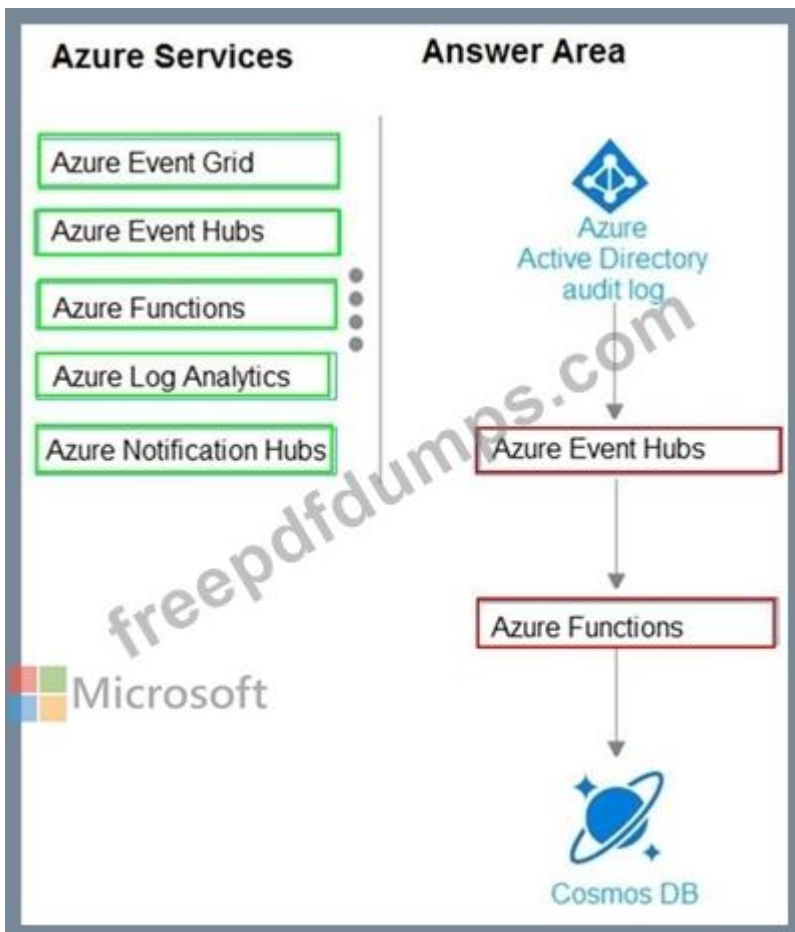
**Azure Services**

**Answer Area**

- Azure Event Grid
- Azure Event Hubs
- Azure Functions
- Azure Log Analytics
- Azure Notification Hubs



**Answer:**



**NEW QUESTION: 28**

You are planning an Azure Storage solution for sensitive data.  
a. The data will be accessed daily. The data set is less than 10 GB.

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

- \* All the data written to storage must be retained for five years.
- \* Once the data is written, the data can only be read. Modifications and deletion must be prevented.
- \* After five years, the data can be deleted, but never modified.
- \* Data access charges must be minimized

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

NOTE: Each correct selection is worth one point.

Storage account type:

Configuration to prevent modifications and deletions:

**Answer:**

Storage account type:

Configuration to prevent modifications and deletions:

Reference:

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

### NEW QUESTION: 29

You configure OAuth2 authorization in API Management as shown in the following exhibit.



## Add OAuth2 service

API Management service



Display name \*

Unique name used to reference this authorization server on t...

Id \*

Description

Authorization server description

Client registration page URL \*

<https://contoso.com/register>

Authorization grant types

Authorization code

Implicit

Resource owner password

Client credentials

Authorization endpoint URL \*

<https://login.microsoftonline.com/contosoonmicrosoft.com...>

Support state parameter

Authorization request method

### Authorization request method

GET

POST

Token endpoint URL \*

Token endpoint is used by clients to obtain access tokens in ...

Create

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 selected authorization grant type is for [answer choice]

To enable custom data in the grant flow, select [answer choice].

Background services
Headless device authentication
Web applications

Client credentials
Resource owner password
Support state parameter

Answer:

The selected authorization grant type is for [answer choice]

To enable custom data in the grant flow, select [answer choice].

Background services
Headless device authentication
Web applications

Client credentials
Resource owner password
Support state parameter

Reference:

<https://developer.okta.com/blog/2018/04/10/oauth-authorization-code-grant-type>

<https://connect2id.com/products/server/docs/guides/client-registration>

### NEW QUESTION: 30

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



Microsoft

- 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

Answer:

Services

- Azure Blob Storage
- Azure Data Box
- Azure Data Box Gateway
- Azure Data Lake Storage
- Azure File Sync
- Azure Files

Answer Area

Azure subscription:

Azure Files

On-premises network:

Azure File Sync

Reference:

<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-deployment-guide>

**NEW QUESTION: 31**

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: C (LEAVE A REPLY)**

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>

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### **NEW QUESTION: 32**

You have an Azure subscription that contains an Azure Blob storage account named store1. You have an on-premises file server named Server1 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: D,E (LEAVE A REPLY)**

<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.html>

**NEW QUESTION: 33**

You plan to migrate App1 to Azure.

You need to recommend a network connectivity solution for the Azure Storage account that will host the App1 data. The solution must meet the security and compliance requirements.

What should you include in the recommendation?

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

**Answer: A (LEAVE A REPLY)**

Private Endpoint securely connect to storage accounts from on-premises networks that connect to the VNet using VPN or ExpressRoutes with private-peering.

Private Endpoint also secure your storage account by configuring the storage firewall to block all connections on the public endpoint for the storage service.

<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-faqs#microsoft-peering>

**NEW QUESTION: 34**


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	



Database:

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



Service tier:

	▼
Hyperscale	
Business Critical	
General Purpose	

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: 35

You have an on-premises network to which you deploy a virtual appliance.

You plan to deploy several Azure virtual machines and connect the on-premises network to Azure by using a Site-to-Site connection.

All network traffic that will be directed from the Azure virtual machines to a specific subnet must flow through the virtual appliance.

You need to recommend solutions to manage network traffic.

Which two options should you recommend? Each correct answer presents a complete solution.

- A. Configure Azure Traffic Manager.
- B. Implement an Azure virtual network.
- C. Implement Azure ExpressRoute.
- D. Configure a routing table.

**Answer: C,D (LEAVE A REPLY)**

Connectivity can be from an any-to-any (IP VPN) network, a point-to-point Ethernet network, or a virtual cross-connection through a connectivity provider at a co-location facility. ExpressRoute connections do not go over the public Internet. This allows ExpressRoute connections to offer more reliability, faster speeds, lower latencies, and higher security than typical connections over the Internet.

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-forced-tunneling-rm>  
<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction>

**NEW QUESTION: 36**

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.

The screenshot shows two dropdown menus. The first, labeled 'From Server1:', has three options: 'Install an Azure File Sync agent', 'Install a self-hosted integration runtime', and 'Install the File Server Resource Manager role service'. The second, labeled 'From the data factory:', has three options: 'Create a pipeline', 'Create an import/export job', and 'Provision an Azure-SQL Server Integration Services (SSIS) integration runtime'. A watermark 'freepdfdumps.com' is visible across the image.

**Answer:**

This screenshot is identical to the previous one, but with red boxes highlighting the correct answers: 'Install a self-hosted integration runtime' in the 'From Server1:' menu and 'Create a pipeline' in the 'From the data factory:' menu. A watermark 'freepdfdumps.com' is also present.

Reference:

<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>

**NEW QUESTION: 37**

You have an Azure Active Directory (Azure AD) tenant that syncs with an on-premises Active Directory domain.

Your company has a line-of-business (LOB) application that was developed internally.

You need to implement SAML single sign-on (SSO) and enforce multi-factor authentication (MFA) when users attempt to access the application from an unknown location.

Which two features should you include in the solution? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

**A.** Conditional Access policies

- B. Azure Application Gateway
- C. Azure AD Privileged Identity Management (PIM)
- D. Azure AD enterprise applications
- E. Azure AD Identity Protection

**Answer: A,D (LEAVE A REPLY)**

**NEW QUESTION: 38**

You have an Azure subscription named Subscription1 that is linked to a hybrid Azure Active Directory (Azure AD) tenant.

You have an on-premises datacenter that does NOT have a VPN connection to Subscription1. The datacenter contains a computer named Server1 that has Microsoft SQL Server 2016 installed. Server1 is prevented from accessing the internet.


An Azure logic app named LogicApp1 requires write access to a database on Server1.

You need to recommend a solution to provide LogicApp1 with the ability to access Server1.

What should you recommend deploying on-premises and in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

On-premises:

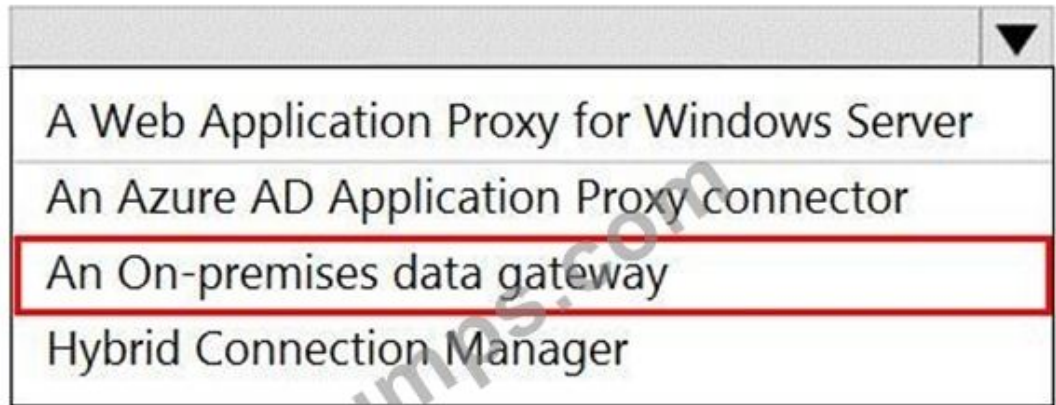
 Microsoft	▼
A Web Application Proxy for Windows Server	
An Azure AD Application Proxy connector	
An On-premises data gateway	
Hybrid Connection Manager	

Azure:

	▼
A connection gateway resource	
An Azure Application Gateway	
An Azure Event Grid domain	
An enterprise application	

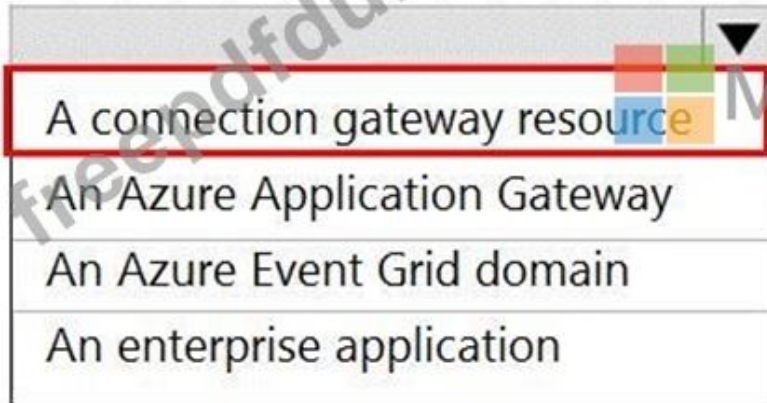
**Answer:**

On-premises:



A Web Application Proxy for Windows Server  
An Azure AD Application Proxy connector  
An On-premises data gateway  
Hybrid Connection Manager

Azure:



A connection gateway resource  
An Azure Application Gateway  
An Azure Event Grid domain  
An enterprise application

Reference:

<https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure>

**NEW QUESTION: 39**

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

**Answer:**

**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: 40**

You are designing an application that will aggregate content for users.

You need to recommend a database solution for the application. The solution must meet the following requirements:

Support SQL commands.

Support multi-master writes.

Guarantee low latency read operations.

What should you include in the recommendation?

- A. Azure Cosmos DB SQL API
- B. Azure SQL Database that uses active geo-replication
- C. Azure SQL Database Hyperscale
- D. Azure Database for PostgreSQL

**Answer: A (LEAVE A REPLY)**

With Cosmos DB's novel multi-region (multi-master) writes replication protocol, every region supports both writes and reads. The multi-region writes capability also enables:

Unlimited elastic write and read scalability.

99.999% read and write availability all around the world.

Guaranteed reads and writes served in less than 10 milliseconds at the 99th percentile.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/distribute-data-globally>

**NEW QUESTION: 41**

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 purpose v2)
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"/>

**Answer:**

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	<input checked="" type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to storage2.	<input type="radio"/>	<input checked="" type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to storage2.	<input checked="" type="radio"/>	<input type="radio"/>

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: 42**

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

Policy1

Associated items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point.

\* At 6:00 PM For 90 Day(s)

Retention of weekly backup point.

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

Retention of monthly Backup point.

Week Based Day Based

\* On First \* Day Sunday \* At 6:00 PM For 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.

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

**Answer:**

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

	▼
90 days	
26 weeks	
<b>36 months</b>	
45 months	

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

	▼
1 hour	
<b>1 day</b>	
1 week	
1 month	
1 year	



**NEW QUESTION: 43**

You need to design an Azure policy that will implement the following functionality:

- \* For new resources, assign tags and values that match the tags and values of the resource group to which the resources are deployed.
- \* For existing resources, identify whether the tags and values match the tags and values of the resource group that contains the resources.
- \* For any non-compliant resources, trigger auto-generated remediation tasks to create missing tags and values.

The solution must use the principle of least privilege.

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

NOTE: Each correct selection is worth one point.

Azure Policy effect to use:

Append
EnforceOPACConstraint
EnforceRegoPolicy
Modify

Azure Active Directory (Azure AD) object and RBAC role to use for the remediation tasks:

A managed identity with the Contributor role
A managed identity with the User Access Administrator role
A service principal with the Contributor role
A service principal with the User Access Administrator role

**Answer:**

Azure Policy effect to use:

Append
EnforceOPACConstraint
<b>EnforceRegoPolicy</b>
Modify

Azure Active Directory (Azure AD) object and RBAC role to use for the remediation tasks:

<b>A managed identity with the Contributor role</b>
A managed identity with the User Access Administrator role
A service principal with the Contributor role
A service principal with the User Access Administrator role



Reference:

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

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

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

<https://docs.microsoft.com/en-us/azure/governance/policy/concepts/effects#modify>

**NEW QUESTION: 44**

Your company deploys an Azure App Service Web App.

During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.

You need to improve the performance of the application.

Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

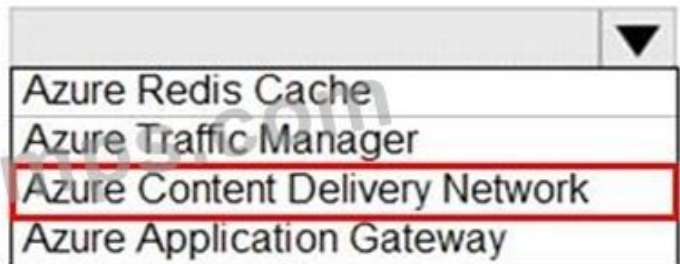
Scenario	Solution				
Store content close to end users.	<div data-bbox="861 1048 1533 1111" style="border: 1px solid gray; background-color: #f0f0f0; padding: 2px;">▼</div> <table border="1" data-bbox="861 1111 1533 1317"><tr><td data-bbox="861 1111 1533 1160">Azure Redis Cache</td></tr><tr><td data-bbox="861 1160 1533 1209">Azure Traffic Manager</td></tr><tr><td data-bbox="861 1209 1533 1258">Azure Content Delivery Network</td></tr><tr><td data-bbox="861 1258 1533 1317">Azure Application Gateway</td></tr></table>	Azure Redis Cache	Azure Traffic Manager	Azure Content Delivery Network	Azure Application Gateway
Azure Redis Cache					
Azure Traffic Manager					
Azure Content Delivery Network					
Azure Application Gateway					
Store content close to the application.	<div data-bbox="861 1357 1533 1420" style="border: 1px solid gray; background-color: #f0f0f0; padding: 2px;">▼</div> <table border="1" data-bbox="861 1420 1533 1615"><tr><td data-bbox="861 1420 1533 1469">Azure Redis Cache</td></tr><tr><td data-bbox="861 1469 1533 1518">Azure Traffic Manager</td></tr><tr><td data-bbox="861 1518 1533 1568">Azure Content Delivery Network</td></tr><tr><td data-bbox="861 1568 1533 1615">Azure Application Gateway</td></tr></table>	Azure Redis Cache	Azure Traffic Manager	Azure Content Delivery Network	Azure Application Gateway
Azure Redis Cache					
Azure Traffic Manager					
Azure Content Delivery Network					
Azure Application Gateway					

**Answer:**

## Scenario

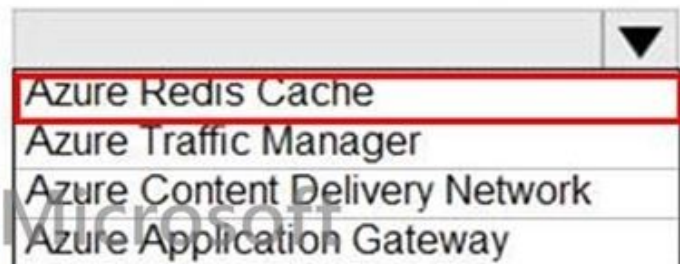
## Solution

Store content close to end users.



Azure Redis Cache
Azure Traffic Manager
Azure Content Delivery Network
Azure Application Gateway

Store content close to the application.



Azure Redis Cache
Azure Traffic Manager
Azure Content Delivery Network
Azure Application Gateway

Reference:

<https://docs.microsoft.com/en-us/azure/azure-cache-for-redis/cache-overview>

### NEW QUESTION: 45

You are designing an Azure web app.

You plan to deploy the web app to the North Europe Azure region and the West Europe Azure region.

You need to recommend a solution for the web app. The solution must meet the following requirements:

Users must always access the web app from the North Europe region, unless the region fails.

The web app must be available to users if an Azure region is unavailable.

Deployment costs must be minimized.

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

NOTE: Each correct selection is worth one point.

Request routing method:  ▼

- A Traffic Manager profile
- Azure Application Gateway
- Azure Load Balancer

Request routing configuration:  ▼

- Cookie-based session affinity
- Performance traffic routing
- Priority traffic routing
- Weighted traffic routing

Answer:

Request routing method:  ▼

- A Traffic Manager profile
- Azure Application Gateway
- Azure Load Balancer

Request routing configuration:  ▼

- Cookie-based session affinity
- Performance traffic routing
- Priority traffic routing
- Weighted traffic routing

**NEW QUESTION: 46**

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 creating resource groups based on locations and implementing resource locks on the resource groups.

Does this meet the goal?

A. Yes

B. No

**Answer: B (LEAVE A REPLY)**

Resource locks are not used for compliance purposes. Resource locks prevent changes from being made to resources.

Reference:

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

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#### **NEW QUESTION: 47**

You are designing a microservices architecture that will be hosted in an Azure Kubernetes Service (AKS) cluster. Apps that will consume the microservices will be hosted on Azure virtual machines. The virtual machines and the AKS cluster will reside on the same virtual network. You need to design a solution to expose the microservices to the consumer apps. The solution must meet the following requirements:

- \* Ingress access to the microservices must be restricted to a single private IP address and protected by using mutual TLS authentication.
- \* The number of incoming microservice calls must be rate-limited.
- \* Costs must be minimized.

What should you include in the solution?

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

**Answer: A (LEAVE A REPLY)**

One option is to deploy APIM (API Management) inside the cluster VNet.

The AKS cluster and the applications that consume the microservices might reside within the

same VNet, hence there is no reason to expose the cluster publicly as all API traffic will remain within the VNet. For these scenarios, you can deploy API Management into the cluster VNet. API Management Premium tier supports VNet deployment.

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-kubernetes>

**NEW QUESTION: 48**

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.

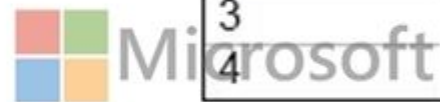
Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

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Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

**Answer:**

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

 Microsoft

**NEW QUESTION: 49**

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

**Answer: (SHOW ANSWER)**


**NEW QUESTION: 50**

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	Answer Area
 Azure Blob Storage	Azure subscription: <input type="text" value="Service"/>
Azure Data Box	On-premises network: <input type="text" value="Service"/>
Azure Data Box Gateway	
Azure Data Lake Storage	
Azure File Sync	
Azure Files	

**Answer:**

Services	Answer Area
Azure Blob Storage	Azure subscription: <input type="text" value="Azure Files"/>
Azure Data Box	On-premises network: <input type="text" value="Azure File Sync"/>
Azure Data Box Gateway	
Azure Data Lake Storage	
Azure File Sync	
Azure Files	



Reference:

<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-deployment-guide>

### NEW QUESTION: 51

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Log Analytics design an alerting strategy for security-related events. Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types. 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.

Tables	Answer Area
AzureActivity	Events from Windows event logs: Table
AzureDiagnostics	Events from Linux system logging: Table
Event	
Syslog	



Answer:

Tables	Answer Area
AzureActivity	Events from Windows event logs: Event
AzureDiagnostics	Events from Linux system logging: Syslog
Event	
Syslog	



Explanation:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/log-analytics-agent> Windows Event logs --> Information sent to the Windows event logging system. Syslog --> Information sent to the Linux event logging system.

### NEW QUESTION: 52

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

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

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

NOTE: Each correct selection is worth one point.

**Answer Area**

To provide access to virtual machines on VNET1, use:

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

To enforce Azure MFA, use:

- An Azure Identity Governance access package
- 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

**Answer:**

**Answer Area**

To provide access to virtual machines on VNET1, use:

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

To enforce Azure MFA, use:

- An Azure Identity Governance access package
- 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: 53**

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



**Answer:**

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

Reference:

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

**NEW QUESTION: 54**

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	

Answer:

Database:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td colspan="2">A single Azure SQL database</td></tr><tr><td colspan="2">Azure SQL Managed Instance</td></tr><tr><td colspan="2">An Azure SQL Database elastic pool</td></tr></table>		▼	A single Azure SQL database		Azure SQL Managed Instance		An Azure SQL Database elastic pool	
	▼								
A single Azure SQL database									
Azure SQL Managed Instance									
An Azure SQL Database elastic pool									
Service tier:	<table border="1"><tr><td></td><td>▼</td></tr><tr><td colspan="2">Hyperscale</td></tr><tr><td colspan="2">Business Critical</td></tr><tr><td colspan="2">General Purpose</td></tr></table>		▼	Hyperscale		Business Critical		General Purpose	
	▼								
Hyperscale									
Business Critical									
General Purpose									

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>

Topic 2, Fabrikam, Inc

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has a main office in London and three branch offices in Amsterdam Berlin, and Rome.

Active Directory Environment:

The network contains two Active Directory forests named corp.fabrikam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication.

Rd.fabrikam.com is used by the research and development (R&D) department only. The R&D department is restricted to using on-premises resources only.

Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. 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. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

Requirements:

Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment. All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

Technical Requirements:

Fabrikam identifies the following technical requirements:

- \* Web site content must be easily updated from a single point.
- \* User input must be minimized when provisioning new app instances.
- \* Whenever possible, existing on premises licenses must be used to reduce cost.
- \* Users must always authenticate by using their corp.fabrikam.com UPN identity.
- \* Any new deployments to Azure must be redundant in case an Azure region fails.
- \* Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- \* An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- \* Directory synchronization between Azure Active Directory (Azure AD) and corp.fabhkam.com must not be affected by a link failure between Azure and the on premises network.

Database Requirements:

Fabrikam identifies the following database requirements:

- \* Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- \* To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- \* Database backups must be retained for a minimum of seven years to meet compliance

requirement Security Requirements:

Fabrikam identifies the following security requirements:

\*Company information including policies, templates, and data must be inaccessible to anyone outside the company

\*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.

\*Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.

\*All administrative access to the Azure portal must be secured by using multi-factor authentication.

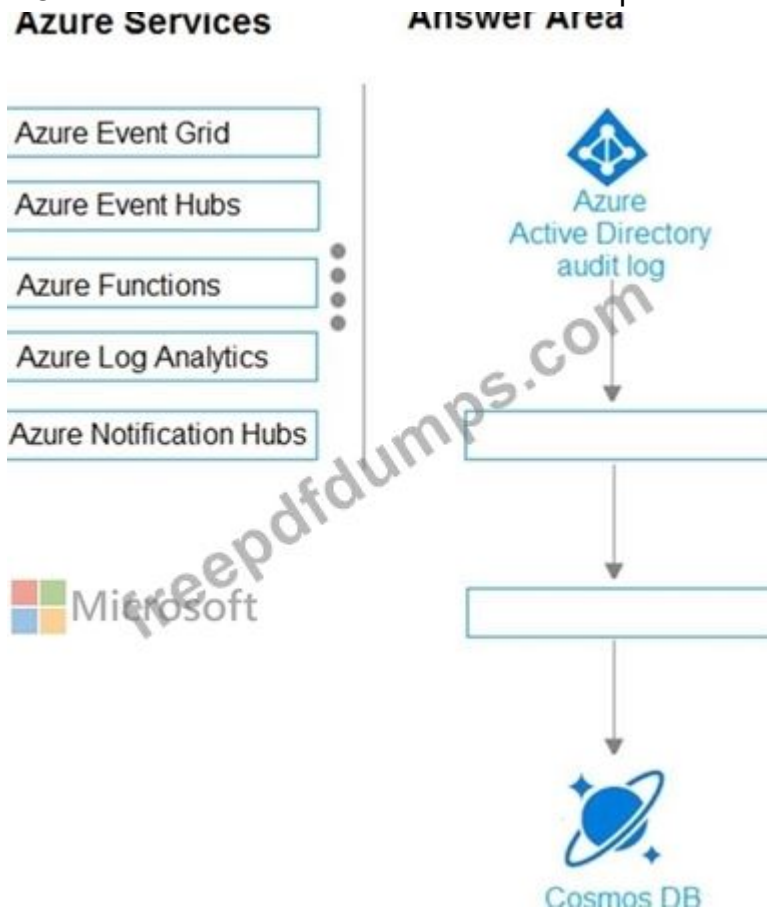
\*The testing of WebApp1 updates must not be visible to anyone outside the company.

### NEW QUESTION: 55

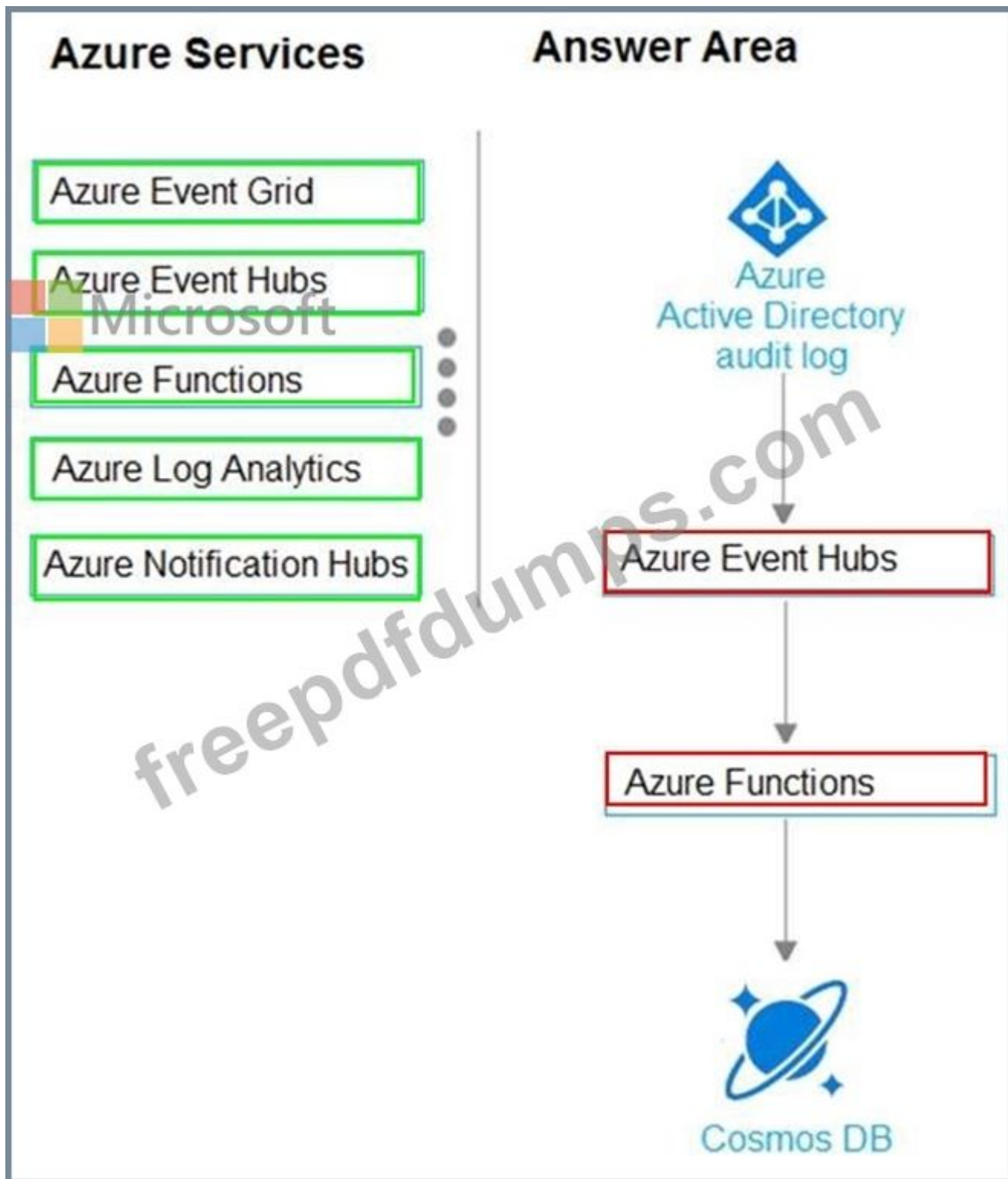
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

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.



**Answer:**



**NEW QUESTION: 56**

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Log Analytics design an alerting strategy for security-related events.

Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types. 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.

### Tables

AzureActivity
AzureDiagnostics
Event
Syslog

### Answer Area

Events from Windows event logs:

Table

Events from Linux system logging:

Table



### Answer: Tables

AzureActivity
AzureDiagnostics
Event
Syslog

### Answer Area

Events from Windows event logs:

Event

Events from Linux system logging:

Syslog



### NEW QUESTION: 57

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 (LEAVE A REPLY)**

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#enable-oauth-20-user-authorization-in-the-developer-console>

### NEW QUESTION: 58

You deploy several Azure SQL Database instances.

You plan to configure the Diagnostics settings on the databases as shown in the following exhibit.

**Diagnostics settings**

Save Discard Delete

**Diagnostics**

Archive to a storage account

Storage account  
csa14d260928e42x4ea7xb77

Stream to an event hub

Send to Log Analytics

Log Analytics  
fabrikamproductionworkspace

LOG

Setting	Retention (days)
<input checked="" type="checkbox"/> SQLInsights	90
<input checked="" type="checkbox"/> AutomaticTuning	30
<input type="checkbox"/> QueryStoreRuntimeStatistics	0
<input type="checkbox"/> QueryStoreWaitStatistics	0

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].

The maximum amount of time that SQLInsights data can be stored in Azure Log Analytics is [answer choice].

Microsoft

30 days  
90 days  
730 days  
indefinite

30 days  
90 days  
730 days  
indefinite

Answer:

The amount of time that SQLInsights data will be stored in blob storage is [answer choice].

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

30 days  
90 days  
730 days  
indefinite

**NEW QUESTION: 59**

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	<div data-bbox="551 293 1270 349">▼</div> <ul data-bbox="551 349 1270 517" style="list-style-type: none"><li>Azure AD Privileged Identity Management</li><li>Azure AD Managed Service Identity</li><li>Azure AD Connect</li><li>Azure AD Identity Protection</li></ul>
Development	<div data-bbox="551 551 1270 607">▼</div> <ul data-bbox="551 607 1270 775" style="list-style-type: none"><li>Azure AD Privileged Identity Management</li><li>Azure AD Managed Service Identity</li><li>Azure AD Connect</li><li>Azure AD Identity Protection</li></ul>
Quality Assurance	<div data-bbox="551 808 1270 864">▼</div> <ul data-bbox="551 864 1270 1032" style="list-style-type: none"><li>Azure AD Privileged Identity Management</li><li>Azure AD Managed Service Identity</li><li>Azure AD Connect</li><li>Azure AD Identity Protection</li></ul>

Answer:

## 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	

Explanation:

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

### NEW QUESTION: 60

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What should you include in the recommendation?

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

**Answer: (SHOW ANSWER)**

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities,

are transactional.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

**NEW QUESTION: 61**

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

You need to design a solution to monitor the VMs.

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

NOTE: Each correct selection is worth one point.

Scenario	Azure Monitoring Service
Analyze Network Security Group (NSG) flow logs for VMs attempting internet access.	<ul style="list-style-type: none"><li>Azure Network Watcher</li><li>Azure ExpressRoute Monitor</li><li>Azure Service Endpoint Monitor</li><li>Azure DNS Analytics</li></ul>
Visualize the VMs with their different processes and dependencies on other computers and external processes.	<ul style="list-style-type: none"><li>Azure Service Map</li><li>Azure Activity Log</li><li>Azure Service Health</li><li>Azure Advisor</li></ul>

Answer:

Scenario	Azure Monitoring Service
Analyze Network Security Group (NSG) flow logs for VMs attempting internet access.	<ul style="list-style-type: none"><li>Azure Network Watcher</li><li>Azure ExpressRoute Monitor</li><li>Azure Service Endpoint Monitor</li><li>Azure DNS Analytics</li></ul>
Visualize the VMs with their different processes and dependencies on other computers and external processes.	<ul style="list-style-type: none"><li>Azure Service Map</li><li>Azure Activity Log</li><li>Azure Service Health</li><li>Azure Advisor</li></ul>

Reference:

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

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

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#### **NEW QUESTION: 62**

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 Storage account that uses geo-zone-redundant storage (GZRS)
- D. an Azure SQL database that uses active geo-replication

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 63**

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

Create a blob container, copy the files to the blob container, and set each file to the Archive access tier.

**Answer: B, E (LEAVE A REPLY)**

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

**NEW QUESTION: 64**

You have an Azure subscription that contains a virtual network named VNET1 and 10 virtual machines. The virtual machines are connected to VNET1.

You need to design a solution to manage the virtual machines from the internet. The solution must meet the following requirements:

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

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

NOTE: Each correct selection is worth one point.

**Answer Area**

To provide access to virtual machines on VNET1, use:

<input type="checkbox"/> Azure Bastion
<input type="checkbox"/> Just-in-time (JIT) VM access
<input type="checkbox"/> Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

<input type="checkbox"/> An Azure Identity Governance access package
<input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In
<input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

**Answer:**

**Answer Area**

To provide access to virtual machines on VNET1, use:

<input checked="" type="checkbox"/> Azure Bastion
<input checked="" type="checkbox"/> Just-in-time (JIT) VM access
<input type="checkbox"/> Azure Web Application Firewall (WAF) in Azure Front Door

To enforce Azure MFA, use:

<input checked="" type="checkbox"/> An Azure Identity Governance access package
<input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Azure Windows VM Sign-In
<input type="checkbox"/> A Conditional Access policy that has the Cloud apps assignment set to Microsoft Azure Management

**NEW QUESTION: 65**

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

### Answer Area

Create an Azure policy definition that uses the deployIfNotExists identity.

Create an Azure policy assignment

Invoke a remediation task

## Answer:

- 1 - Create an Azure policy definition that uses the deployIfNotExists identity.
- 2 - Create an Azure policy assignment
- 3 - Invoke a remediation task

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/how-to/remediate-resources>

## NEW QUESTION: 66

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 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 Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors

- B. Azure Synapse Link for Azure Cosmos DB
- C. Azure Cosmos DB change feed
- D. Azure Synapse Analytics with PolyBase data loading

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 67**

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

**Answer:**

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

Reference:

<https://azure.microsoft.com/en-us/pricing/tco/>

<https://azure.microsoft.com/en-us/pricing/hybrid-benefit/>

**NEW QUESTION: 68**

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)

Answer:

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)

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series>

**NEW QUESTION: 69**

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.

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

Answer:

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

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-comparison-azure-sql-vs-sql-server-vm-cf02578a1188>

### NEW QUESTION: 70

What should you include in the identity management strategy to support the planned changes?

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

**Answer: B (LEAVE A REPLY)**

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

### NEW QUESTION: 71

You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:

The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.

Costs must be minimized.

What should you include in the solution?

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

**Answer: D (LEAVE A REPLY)**

When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan.

For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance.

Connect to private endpoints with Azure Functions

As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale>

<https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p/1426615>

### NEW QUESTION: 72

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 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 (LEAVE A REPLY)**

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: 73**

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.

Topic	Value
Allowed authentication methods	<div style="border: 1px solid gray; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> <div style="border: 1px solid gray; padding: 2px;"> <p>All methods</p> <p>GET only</p> <p>GET and POST only</p> <p>GET, POST, and OPTIONS only</p> </div> </div>
Authorization level	<div style="border: 1px solid gray; padding: 2px;"> <div style="display: flex; align-items: center;">  <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> <span></span> <span>▼</span> </div> </div> <div style="border: 1px solid gray; padding: 2px;"> <p>Function</p> <p>Anonymous</p> <p>Admin</p> </div> </div>

**Answer:**

Topic	Value
Allowed authentication methods	<input type="text"/> <ul style="list-style-type: none"> <li>All methods</li> <li>GET only</li> <li>GET and POST only</li> <li>GET, POST, and OPTIONS only</li> </ul>
Authorization level	<input type="text"/> <ul style="list-style-type: none"> <li>Function</li> <li>Anonymous</li> <li>Admin</li> </ul>

Reference:

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

**NEW QUESTION: 74**

You plan to migrate App1 to Azure.

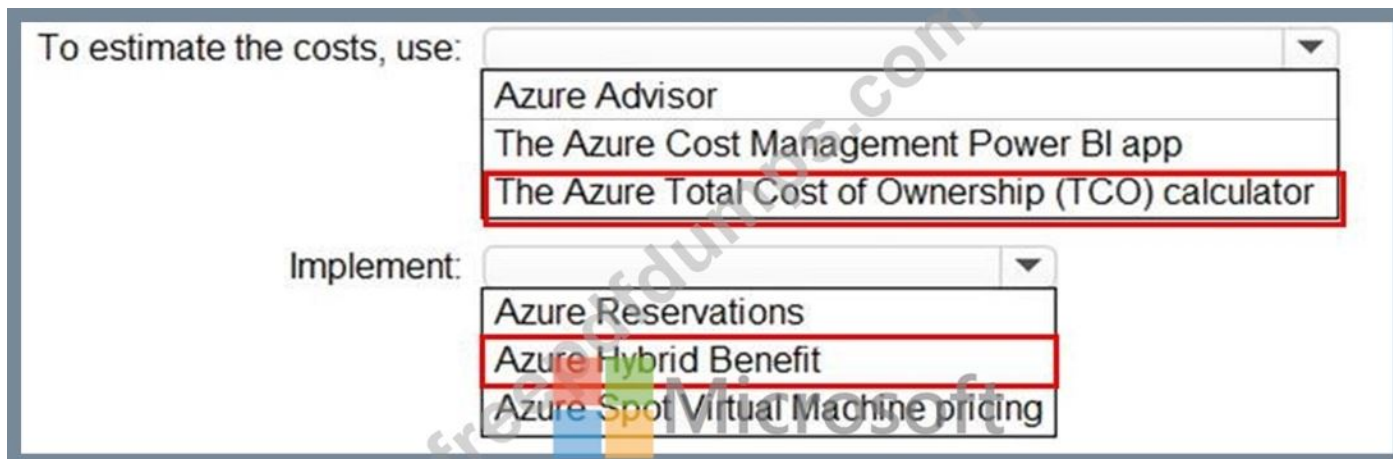
You need to estimate the compute costs for App1 in Azure. The solution must meet the security and compliance requirements.

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:	<input type="text"/> <ul style="list-style-type: none"> <li>Azure Advisor</li> <li>The Azure Cost Management Power BI app</li> <li>The Azure Total Cost of Ownership (TCO) calculator</li> </ul>
Implement:	<input type="text"/> <ul style="list-style-type: none"> <li>Azure Reservations</li> <li>Azure Hybrid Benefit</li> <li>Azure Spot Virtual Machine pricing</li> </ul>

**Answer:**



Reference:

<https://azure.microsoft.com/en-us/pricing/tco/>

<https://azure.microsoft.com/en-us/pricing/hybrid-benefit/>

### NEW QUESTION: 75

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: A,C (LEAVE A REPLY)**

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-ss->

how-to

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

**NEW QUESTION: 76**

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	

**Answer:**

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	

### Topic 3, Contoso

Existing Environment

Technical Environment

The on-premises network contains a single Active Directory domain named contoso.com.

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

Contoso has a business partnership with Fabrikam, Inc. Fabrikam users access some Contoso applications over the internet by using Azure Active Directory (Azure AD) guest accounts.

Requirements: Planned Changes

Contoso plans to deploy two applications named App1 and App2 to Azure.

Requirements: App1

App1 will be a Python web app hosted in Azure App Service that requires a Linux runtime. Users from Contoso and Fabrikam will access App1.

App1 will access several services that require third-party credentials and access strings. The credentials and access strings are stored in Azure Key Vault.

App1 will have six instances: three in the East US Azure region and three in the West Europe Azure region.

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.

App1 will only be accessible from the internet. App1 has the following connection requirements:

Connections to App1 must pass through a web application firewall (WAF).

Connections to App1 must be active-active load balanced between instances.

All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

Every hour, you will run a maintenance task by invoking a PowerShell script that copies files from all the App1 instances. The PowerShell script will run from a central location.

Requirements: App2

App2 will be a NET app hosted in App Service that requires a Windows runtime. 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.

You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.

Application Development Requirements

Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:

A staging instance of a new application version must be deployed to the application host before the new version is used in production.

After testing the new version, the staging version of the application will replace the production version.

The switch to the new application version from staging to production must occur without any downtime of the application.

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.

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.

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**NEW QUESTION: 77**

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION: 78**

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:

**Answer:**



### NEW QUESTION: 79

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:** ([SHOW ANSWER](#))

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

### NEW QUESTION: 80

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. an Azure virtual machine that runs SQL Server
- C. a fixed-size DTU AzureSQL database.
- D. a vCore-based Azure SQL database

**Answer:** D ([LEAVE A REPLY](#))

### NEW QUESTION: 81


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:

 Microsoft ▼
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

**Answer:**

Resource to create in Azure:

 Microsoft ▼
An event hub
<b>A Log Analytics workspace</b>
A search service
A storage account

Configuration to perform on the virtual machines:

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

Reference:

<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: 82**

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 (LEAVE A REPLY)**

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

**NEW QUESTION: 83**

You plan to migrate App1 to Azure. The solution must meet the authentication and authorization requirements.

Which type of endpoint should App1 use to obtain an access token?

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

**Answer: (SHOW ANSWER)**

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

Managed identities provide an identity for applications to use when connecting to resources that support Azure Active Directory (Azure AD) authentication. Applications may use the managed identity to obtain Azure AD tokens.

Reference:

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

**NEW QUESTION: 84**

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 purpose v2)
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"/>

Answer:

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	<input checked="" type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to storage2.	<input type="radio"/>	<input checked="" type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to storage2.	<input checked="" type="radio"/>	<input type="radio"/>

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: 85**

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.

Key Vault integration method:	<input type="checkbox"/> Key Vault references in Application settings <input type="checkbox"/> Key Vault references in Appsettings.json <input type="checkbox"/> Key Vault references in Web.config <input type="checkbox"/> Key Vault SDK
Key Vault permissions for the managed identity:	<input type="checkbox"/> Keys: Get <input type="checkbox"/> Keys: List and Get <input type="checkbox"/> Secrets: Get <input type="checkbox"/> Secrets: List and Get

Answer:

**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: 86

The developers at your company are building a containerized Python Django app. You need to recommend platform to host the app. The solution must meet the following requirements:

Support autoscaling.

Support continuous deployment from an Azure Container Registry.

Provide built-in functionality to authenticate app users by using Azure Active Directory (Azure AD).

Which platform should you include in the recommendation?

- A. Azure Container instances
- B. an Azure App Service instance that uses containers
- C. Azure Kubernetes Service (AKS)

**Answer: C (LEAVE A REPLY)**

To keep up with application demands in Azure Kubernetes Service (AKS), you may need to adjust the number of nodes that run your workloads. The cluster autoscaler component can watch for pods in your cluster that can't be scheduled because of resource constraints. When issues are detected, the number of nodes in a node pool is increased to meet the application demand. Azure Container Registry is a private registry for hosting container images. It integrates well with orchestrators like Azure Container Service, including Docker Swarm, DC/OS, and the new Azure Kubernetes service.

Moreover, ACR provides capabilities such as Azure Active Directory-based authentication, webhook support, and delete operations.

Reference:

<https://docs.microsoft.com/en-us/azure/aks/cluster-autoscaler>

<https://medium.com/velotio-perspectives/continuous-deployment-with-azure-kubernetes-service-azurecontainer-registry-jenkins-ca337940151b>

### NEW QUESTION: 87

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 community 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. More than once not at an You may need to drag the spin bar between panes or scroll to view content.

**Answer:**

- 1 - Azure Site Recovery only
- 2 - Azure Site Recovery and Azure Backup
- 3 - Azure Backup only

**NEW QUESTION: 88**

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

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

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

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

Solution: You recommend using the Regulatory compliance dashboard in Azure Security Center.

Does this meet the goal?

A. Yes

B. No

Answer: ([SHOW ANSWER](#))

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: 89

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. Azure instance Service (IMDS)

B. Microsoft identify platform

C. Azure AD

D. Azure Service management

Answer: ([SHOW ANSWER](#))

### NEW QUESTION: 90

You have the resources shown in the following table.

Name	Type	Resource group
VM1	Azure virtual machine	RG1
VM2	On-premises virtual machine	<i>Not applicable</i>

You create a new resource group in Azure named RG2.

You need to move the virtual machines to RG2.

What should you use to move each virtual machine? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

VM1:

- Azure Arc
- Azure Lighthouse**
- Azure Migrate
- Azure Resource Mover
- The Data Migration Assistant (DMA)

VM2:

- Azure Arc
- Azure Lighthouse
- Azure Migrate**
- Azure Resource Mover
- The Data Migration Assistant (DMA)

Answer:

The answer interface shows two boxes for VM1 and VM2. In the VM1 box, 'Azure Lighthouse' is highlighted with a blue background and a red border. In the VM2 box, 'Azure Migrate' is highlighted with a blue background and a red border. The Microsoft logo is visible in the top left corner of the answer area.

**NEW QUESTION: 91**

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.

Answer:

Reference:

<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>

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### NEW QUESTION: 92

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 Synapse Analytics with PolyBase data loading

C. Azure Synapse Link for Azure Cosmos DB

D. Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors

Answer: C ([LEAVE A REPLY](#))

### NEW QUESTION: 93

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

Answer:

NEW QUESTION

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: 94

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

**Answer:**



Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/active-geo-replication-overview>

### NEW QUESTION: 95

You have the Azure resources shown in the following table.

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

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

Azure configuration:

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

On-premises DNS configuration:

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

**Answer:**

The screenshot shows two sections of configuration instructions. The top section, titled 'Azure configuration:', contains three lines of text: 'Configure VM1 to forward contoso.com to the public DNS zone.', 'Configure VM1 to forward contoso.com to the Azure-provided DNS at 168.63.129.16.', and 'In VNet1, configure a custom DNS server set to the Azure-provided DNS at 168.63.129.16.'. The bottom section, titled 'On-premises DNS configuration:', contains three lines of text: 'Forward contoso.com to VM1.', 'Forward contoso.com to the public DNS zone.', and 'Forward contoso.com to the Azure-provided DNS at 168.63.129.16.'. A Microsoft logo is visible in the bottom right corner of the screenshot.

**NEW QUESTION: 96**

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: C,D (LEAVE A REPLY)**

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: 97**

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	

Answer:

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

Service tier:		▼
Hyperscale		
Business Critical		
General Purpose		

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>

Topic 2, Fabrikam, Inc

Existing Environment

Fabrikam, Inc. is an engineering company that has offices throughout Europe. The company has

a main office in London and three branch offices in Amsterdam Berlin, and Rome.

#### Active Directory Environment:

The network contains two Active Directory forests named corp.fabnkam.com and rd.fabrikam.com. There are no trust relationships between the forests. Corp.fabrikam.com is a production forest that contains identities used for internal user and computer authentication. Rd.fabrikam.com is used by the research and development (R&D) department only. The R&D department is restricted to using on-premises resources only.

#### Network Infrastructure:

Each office contains at least one domain controller from the corp.fabrikam.com domain. The main office contains all the domain controllers for the rd.fabrikam.com forest.

All the offices have a high-speed connection to the Internet.

An existing application named WebApp1 is hosted in the data center of the London office.

WebApp1 is used by customers to place and track orders. 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. The IT department currently uses a separate Hyper-V environment to test updates to WebApp1. Fabrikam purchases all Microsoft licenses through a Microsoft Enterprise Agreement that includes Software Assurance.

#### Problem Statement:

The use of Web App1 is unpredictable. At peak times, users often report delays. At other times, many resources for WebApp1 are underutilized.

#### Requirements:

##### Planned Changes:

Fabrikam plans to move most of its production workloads to Azure during the next few years.

As one of its first projects, the company plans to establish a hybrid identity model, facilitating an upcoming Microsoft Office 365 deployment All R&D operations will remain on-premises.

Fabrikam plans to migrate the production and test instances of WebApp1 to Azure.

##### Technical Requirements:

Fabrikam identifies the following technical requirements:

- \* Web site content must be easily updated from a single point.
- \* User input must be minimized when provisioning new app instances.
- \* Whenever possible, existing on premises licenses must be used to reduce cost.
- \* Users must always authenticate by using their corp.fabrikam.com UPN identity.
- \* Any new deployments to Azure must be redundant in case an Azure region fails.
- \* Whenever possible, solutions must be deployed to Azure by using platform as a service (PaaS).
- \* An email distribution group named IT Support must be notified of any issues relating to the directory synchronization services.
- \* Directory synchronization between Azure Active Directory (Azure AD) and corp.fabhkam.com must not be affected by a link failure between Azure and the on premises network.

##### Database Requirements:

Fabrikam identifies the following database requirements:

- \* Database metrics for the production instance of WebApp1 must be available for analysis so that database administrators can optimize the performance settings.
- \* To avoid disrupting customer access, database downtime must be minimized when databases are migrated.
- \* Database backups must be retained for a minimum of seven years to meet compliance requirement Security Requirements:  
Fabrikam identifies the following security requirements:
- \*Company information including policies, templates, and data must be inaccessible to anyone outside the company
- \*Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails.
- \*Administrators must be able to authenticate to the Azure portal by using their corp.fabrikam.com credentials.
- \*All administrative access to the Azure portal must be secured by using multi-factor authentication.
- \*The testing of WebApp1 updates must not be visible to anyone outside the company.

**NEW QUESTION: 98**

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: (SHOW ANSWER)**

Topic 3, Contoso

Existing Environment

Technical Environment

The on-premises network contains a single Active Directory domain named contoso.com.

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

Contoso has a business partnership with Fabrikam, Inc. Fabrikam users access some Contoso applications over the internet by using Azure Active Directory (Azure AD) guest accounts.

Requirements: Planned Changes

Contoso plans to deploy two applications named App1 and App2 to Azure.

Requirements: App1

App1 will be a Python web app hosted in Azure App Service that requires a Linux runtime. Users from Contoso and Fabrikam will access App1.

App1 will access several services that require third-party credentials and access strings. The credentials and access strings are stored in Azure Key Vault.

App1 will have six instances: three in the East US Azure region and three in the West Europe

Azure region.

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.

App1 will only be accessible from the internet. App1 has the following connection requirements:

Connections to App1 must pass through a web application firewall (WAF).

Connections to App1 must be active-active load balanced between instances.

All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

Every hour, you will run a maintenance task by invoking a PowerShell script that copies files from all the App1 instances. The PowerShell script will run from a central location.

Requirements: App2

App2 will be a NET app hosted in App Service that requires a Windows runtime. 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.

You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.

Application Development Requirements

Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:

A staging instance of a new application version must be deployed to the application host before the new version is used in production.

After testing the new version, the staging version of the application will replace the production version.

The switch to the new application version from staging to production must occur without any downtime of the application.

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.

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.

## **NEW QUESTION: 99**

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



**Answer:**



**Services**

- Azure Blob Storage
- Azure Data Box
- Azure Data Box Gateway
- Azure Data Lake Storage
- Azure File Sync
- Azure Files

**Answer Area**

Azure subscription: Azure Files

On-premises network: Azure File Sync



Reference:

<https://docs.microsoft.com/en-us/azure/storage/file-sync/file-sync-deployment-guide>

**NEW QUESTION: 100**

You need to deploy resources to host a stateless web app in an Azure subscription. The solution

must meet the following requirements:

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

Solution: You deploy a web app in an Isolated App Service plan.

Does this meet the goal?

A. Yes

B. No

Answer: B ([LEAVE A REPLY](#))

### NEW QUESTION: 101

You have an Azure subscription. The subscription contains Azure virtual machines that run Windows Server 2016 and Linux.

You need to use Azure Log Analytics design an alerting strategy for security-related events.

Which Log Analytics tables should you query? To answer, drag the appropriate tables to the correct log types. 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.

Tables	Answer Area
AzureActivity	Events from Windows event logs: Table
AzureDiagnostics	Events from Linux system logging: Table
Event	
Syslog	



Answer:

Tables	Answer Area
AzureActivity	Events from Windows event logs: Event
AzureDiagnostics	Events from Linux system logging: Syslog
Event	
Syslog	



### NEW QUESTION: 102

You need to implement the Azure RBAC role assignments for the Network Contributor role. The solution must meet the authentication and authorization requirements.

What is the minimum number of assignments that you must use?

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

**Answer: A ([LEAVE A REPLY](#))**

Scenario: The Network Contributor built-in RBAC role must be used to grant permissions to the network administrators for all the virtual networks in all the Azure subscriptions.

RBAC roles must be applied at the highest level possible.

Topic 3, Contoso

Existing Environment

Technical Environment

The on-premises network contains a single Active Directory domain named contoso.com.

Contoso has a single Azure subscription.

Existing Environment: Business Partnerships

Contoso has a business partnership with Fabrikam, Inc. Fabrikam users access some Contoso applications over the internet by using Azure Active Directory (Azure AD) guest accounts.

Requirements: Planned Changes

Contoso plans to deploy two applications named App1 and App2 to Azure.

Requirements: App1

App1 will be a Python web app hosted in Azure App Service that requires a Linux runtime. Users from Contoso and Fabrikam will access App1.

App1 will access several services that require third-party credentials and access strings. The credentials and access strings are stored in Azure Key Vault.

App1 will have six instances: three in the East US Azure region and three in the West Europe Azure region.

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.

App1 will only be accessible from the internet. App1 has the following connection requirements:

Connections to App1 must pass through a web application firewall (WAF).

Connections to App1 must be active-active load balanced between instances.

All connections to App1 from North America must be directed to the East US region. All other connections must be directed to the West Europe region.

Every hour, you will run a maintenance task by invoking a PowerShell script that copies files from all the App1 instances. The PowerShell script will run from a central location.

Requirements: App2

App2 will be a NET app hosted in App Service that requires a Windows runtime. 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. You need to monitor App2 to analyze how long it takes to perform different transactions within the application. The solution must not require changes to the application code.

#### Application Development Requirements

Application developers will constantly develop new versions of App1 and App2. The development process must meet the following requirements:

A staging instance of a new application version must be deployed to the application host before the new version is used in production.

After testing the new version, the staging version of the application will replace the production version.

The switch to the new application version from staging to production must occur without any downtime of the application.

#### 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.

#### 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.

### **NEW QUESTION: 103**

Your company has an Azure Web App that runs via the Premium App Service Plan. A development team will be using the Azure Web App. You have to configure the Azure Web app so that it can fulfil the below requirements.

Provide the ability to switch the web app from the current version to a newer version Provide developers with the ability to test newer versions of the application before the switch to the newer version occurs Ensure that the application version can be rolled back Minimize downtime Which of the following can be used for this requirement?

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

**Answer: ([SHOW ANSWER](#))**

### **NEW QUESTION: 104**

You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

- A. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- B. Configure the Scale Out settings for a web app.

C. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.

D. Configure the Scale Up settings for a web app.

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 105**

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**

Item	Value
Azure service	<input type="text"/>
Feature	<input type="text"/>

Values list:

- Web Application Firewall (WAF)
- Azure Application Gateway
- Azure Load Balancer
- Azure Traffic Manager
- SSL offloading
- URL-based content routing

Answer:

## Values

## Answer Area

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

Reference:

<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: 106

You plan to migrate App1 to Azure.

You need to recommend a storage solution for App1 that meets the security and compliance requirements.

Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Storage account type:	<input type="text"/>
	<ul style="list-style-type: none"><li>Premium page blobs</li><li>Premium file shares</li><li>Standard general-purpose v2</li></ul>
Configuration:	<input type="text"/>
	<ul style="list-style-type: none"><li>NFSv3</li><li>Large file shares</li><li>Hierarchical namespace</li></ul>

Answer:

Storage account type:

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



Configuration:

	▼
NFSv3	
Large file shares	
Hierarchical namespace	

Reference:

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

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### NEW QUESTION: 107

You plan to deploy a network-intensive application to several Azure virtual machines.

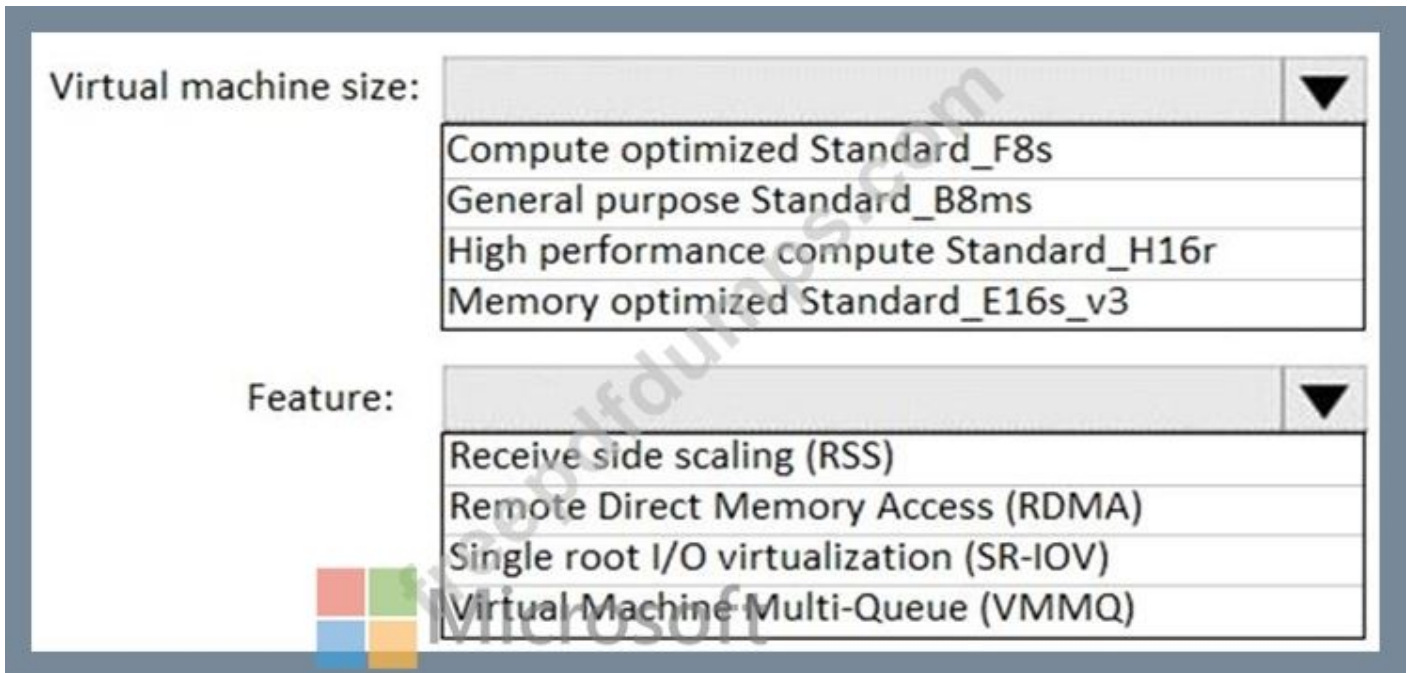
You need to recommend a solution that meets the following requirements:

Minimizes the use of the virtual machine processors to transfer data

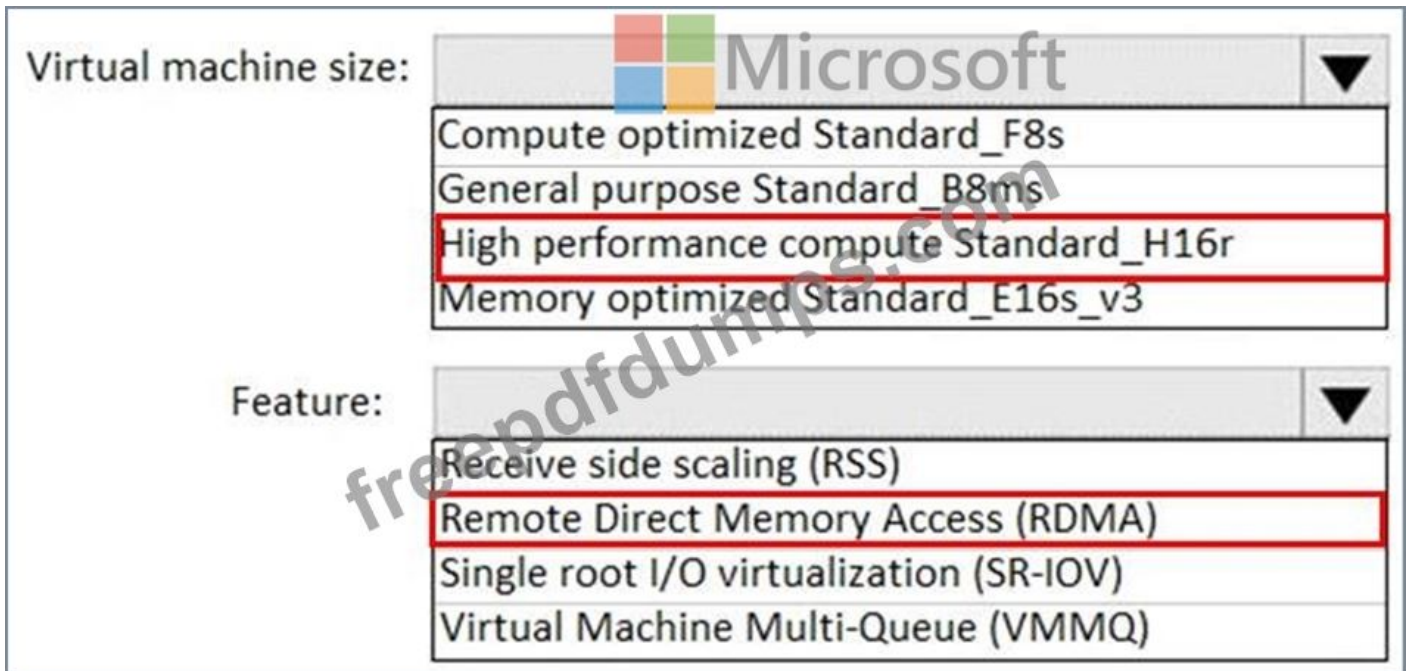
Minimizes network latency

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.



Answer:



Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sizes-hpc#h-series>

**NEW QUESTION: 108**

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

Policy1

Associated items Delete Save Discard

Backup frequency

Daily 6:00 PM (UTC) Coordinated Universal Time

Retention range

Retention of daily backup point.

\* At 6:00 PM For 90 Day(s)

Retention of weekly backup point.

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

Retention of monthly Backup point.

Week Based Day Based

\* On First \* Day Sunday \* At 6:00 PM For 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.

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

Answer:

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

**NEW QUESTION: 109**

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"/>

Answer:

Statements	Yes	No
The API is available to partners over the Internet.	<input checked="" type="radio"/>	<input type="radio"/>
The APIM instance can access real-time data from VM1.	<input checked="" type="radio"/>	<input type="radio"/>
A VPN gateway is required for partner access.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet>

**NEW QUESTION: 110**

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.

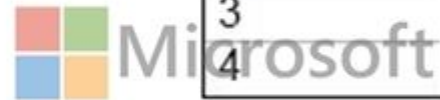
Minimum number of Azure AD tenants:

	▼
0	
1	
2	
3	
4	

Minimum number of custom domains to add:

	▼
0	
1	
2	
3	
4	

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Minimum number of conditional access policies to create:

	▼
0	
1	
2	
3	
4	

**Answer:**

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: 111

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.

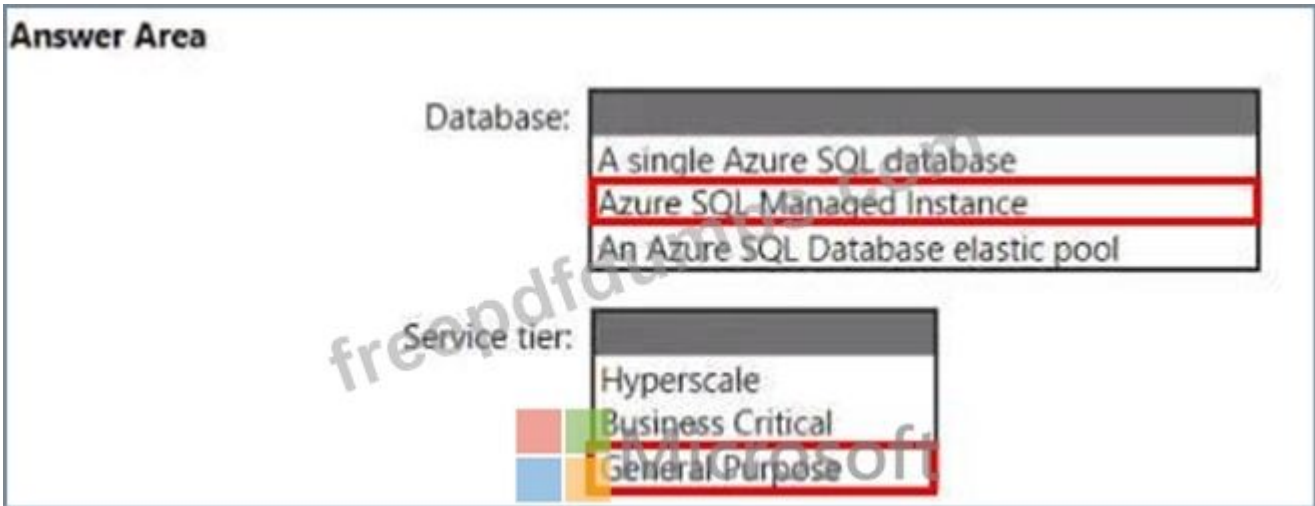
What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Database:	<ul style="list-style-type: none"><li>A single Azure SQL database</li><li>Azure SQL Managed Instance</li><li>An Azure SQL Database elastic pool</li></ul>
Service tier:	<ul style="list-style-type: none"><li>Hyperscale</li><li>Business Critical</li><li>General Purpose</li></ul>

Answer:



### NEW QUESTION: 112

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What should you include in the recommendation?

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

**Answer: A (LEAVE A REPLY)**

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.

Reference:

<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

"Service Bus offers a reliable and secure platform for asynchronous transfer of data and state." ... "Service Bus supports standard AMQP 1.0 and HTTP/REST protocols."

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

### NEW QUESTION: 113

You have an Azure Load Balancer named LB1 that balances requests to five Azure virtual machines.

You need to develop a monitoring solution for LB1. The solution must generate an alert when any of the following conditions are met:

A virtual machine is unavailable.

Connection attempts exceed 50,000 per minute.

Which signal should you include in the solution for each condition? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Microsoft  
An unavailable virtual machine:

More than 50,000 connection attempts per minute:

Byte Count  
Data Path Availability  
Health Probe Status  
Packet Count  
SYN Count

Byte Count  
Data Path Availability  
Health Probe Status  
Packet Count  
SYN Count

Answer:

Microsoft  
An unavailable virtual machine:

More than 50,000 connection attempts per minute:

Byte Count  
Data Path Availability  
Health Probe Status  
Packet Count  
SYN Count

Byte Count  
Data Path Availability  
Health Probe Status  
Packet Count  
SYN Count

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-standard-diagnostics>

**NEW QUESTION: 114**

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.

The screenshot shows two dropdown menus. The first, labeled 'From Server1:', has three options: 'Install an Azure File Sync agent', 'Install a self-hosted integration runtime', and 'Install the File Server Resource Manager role service'. The second, labeled 'From the data factory:', has three options: 'Create a pipeline', 'Create an import/export job', and 'Provision an Azure-SQL Server Integration Services (SSIS) integration runtime'. A watermark 'freepdfdumps.com' is visible across the image.

**Answer:**

The screenshot shows the same two dropdown menus as above. In this version, the second option 'Install a self-hosted integration runtime' in the 'From Server1:' menu and the first option 'Create a pipeline' in the 'From the data factory:' menu are highlighted with red boxes, indicating they are the correct answers. A watermark 'freepdfdumps.com' is visible across the image.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf>

### NEW QUESTION: 115

Your company has two on-premises sites in New York and Los Angeles and Azure virtual networks in the East US Azure region and the West US Azure region. Each on-premises site has Azure ExpressRoute circuits to both regions.

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

Outbound traffic to the Internet from workloads hosted on the virtual networks must be routed through the closest available on-premises site.

If an on-premises site fails, traffic from the workloads on the virtual networks to the Internet must reroute automatically to the other site.

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.

Routing from the virtual networks to the on-premises locations must be configured by using:

- Azure default routes
- Border Gateway Protocol (BGP)
- User-defined routes

The automatic routing configuration following a failover must be handled by using:

- Border Gateway Protocol (BGP)
- Hot Standby Routing Protocol (HSRP)
- Virtual Router Redundancy Protocol (VRRP)

**Answer:**

Routing from the virtual networks to the on-premises locations must be configured by using:

- Azure default routes
- Border Gateway Protocol (BGP)**
- User-defined routes

The automatic routing configuration following a failover must be handled by using:

- Border Gateway Protocol (BGP)**
- Hot Standby Routing Protocol (HSRP)
- Virtual Router Redundancy Protocol (VRRP)

**NEW QUESTION: 116**

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

Ability to store JSON based items

Ability to use SQL like queries on the datastore

Ability to provide low latency access to data items

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

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

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 117**

You plan to migrate App1 to Azure.

You need to recommend a storage solution for App1 that meets the security and compliance requirements.

Which type of storage should you recommend, and how should you recommend configuring the storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Storage account type:	<input type="text"/> <ul style="list-style-type: none"> <li>Premium page blobs</li> <li>Premium file shares</li> <li>Standard general-purpose v2</li> </ul>
Configuration:	<input type="text"/> <ul style="list-style-type: none"> <li>NFSv3</li> <li>Large file shares</li> <li>Hierarchical namespace</li> </ul>

Answer:

Storage account type:

<input type="text"/>	▼
Premium page blobs	
Premium file shares	
Standard general-purpose v2	

Configuration:

<input type="text"/>	▼
NFSv3	
Large file shares	
Hierarchical namespace	

Reference:

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

**NEW QUESTION: 118**

You have .Net web service named service1 that has the following requirements.

Must read and write to the local file system.

Must write to the Windows 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 App Service web app
- B. an Azure virtual machine scale set
- C. an App Service Environment (ASE)
- D. an Azure Functions app

**Answer: A (LEAVE A REPLY)**

[https://social.msdn.microsoft.com/Forums/vstudio/en-US/294b9e3e-e89c-4095-b8d0-ee1646e77268/writing-to-local-file-system-from-web-app-in-azure?](https://social.msdn.microsoft.com/Forums/vstudio/en-US/294b9e3e-e89c-4095-b8d0-ee1646e77268/writing-to-local-file-system-from-web-app-in-azure?forum=windowsazurewebsitespreview)  
forum=windowsazurewebsitespreview

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