topic 2 question 5 discussion

Actual exam question from Microsoft's AZ-305
Question #: 5
Topic #: 2
[All AZ-305 Questions]

HOTSPOT -
You have an Azure subscription that contains the storage accounts shown in the following table.

Name	Type	Performance
storage1	StorageV2	Standard
storage2	StorageV2	Premium
storage3	BlobStorage	Standard
storage4	FileStorage	Premium

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

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

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

Answer Area

App1:
- Storage1 and storage2 only
- Storage1 and storage3 only
- Storage1, storage2, and storage3 only
- Storage1, storage2, storage3, and storage4

App2:
- Storage4 only
- Storage1 and storage4 only
- Storage1, storage2, and storage4 only
- Storage1, storage2, storage3, and storage4

Hide Answer

Suggested Answer:

Answer Area

App1:
- Storage1 and storage2 only
- Storage1 and storage3 only
- Storage1, storage2, and storage3 only
- Storage1, storage2, storage3, and storage4

App2:
- Storage4 only
- Storage1 and storage4 only
- Storage1, storage2, and storage4 only
- Storage1, storage2, storage3, and storage4

Box 1: Storage1 and storage3 only
Need to use Standard accounts.
Data stored in a premium block blob storage account cannot be tiered to hot, cool, or archive using Set Blob Tier or using Azure Blob Storage lifecycle management
Box 2: Storage1 and storage4 only
Azure File shares requires Premium accounts. Only Storage1 and storage4 are premium.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/access-tiers-overview#feature-support
https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share?tabs=azure-portal#basics

by Shadow983 at *Dec. 17, 2021, 6:51 p.m.*

topic 2 question 6 discussion

Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 2

[All AZ-305 Questions]

You are designing an application that will be hosted in Azure.

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

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

What should you recommend?

A. Azure Files

B. Azure Data Lake Storage Gen2

C. Azure Blob Storage **Most Voted**

D. Azure SQL Database

Hide Answer

Suggested Answer: *C*

Community vote distribution

C (100%)

by kenobiD at *Dec. 9, 2021, 6:31 p.m.*

topic 2 question 7 discussion

Actual exam question from Microsoft's AZ-305

Question #: 7

Topic #: 2

[All AZ-305 Questions]

You are designing a SQL database solution. The solution will include 20 databases that will be 20 GB each and have varying usage patterns.

You need to recommend a database platform to host the databases. The solution must meet the following requirements:

- The solution must meet a Service Level Agreement (SLA) of 99.99% uptime.
- The compute resources allocated to the databases must scale dynamically.
- The solution must have reserved capacity.

Compute charges must be minimized.

▪

What should you include in the recommendation?

A. an elastic pool that contains 20 Azure SQL databases **Most Voted**

B. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine in an availability set

C. 20 databases on a Microsoft SQL server that runs on an Azure virtual machine

D. 20 instances of Azure SQL Database serverless

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

by Eltooth at *Dec. 16, 2021, 5:43 a.m.*

topic 2 question 8 discussion

Actual exam question from Microsoft's AZ-305
Question #: 8
Topic #: 2
[All AZ-305 Questions]

HOTSPOT -
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.
Hot Area:

Answer Area

Service:
- Azure SQL Database
- Azure SQL Managed Instance
- Azure Synapse Analytics
- SQL Server on Azure Virtual Machines

Service tier:
- Basic
- Business Critical
- General Purpose
- Hyperscale
- Premium
- Standard

Hide Answer

Suggested Answer:

Answer Area

Service: Azure SQL Database

Service tier: Hyperscale

Box 1: Azure SQL Database -
Azure SQL Database:
Database size always depends on the underlying service tiers (e.g. Basic, Business Critical, Hyperscale).
It supports databases of up to 100 TB with Hyperscale service tier model.
Active geo-replication is a feature that lets you to create a continuously synchronized readable secondary database for a primary database. The readable secondary database may be in the same Azure region as the primary, or, more commonly, in a different region. This kind of readable secondary databases are also known as geo-secondaries, or geo-replicas.
Azure SQL Database and SQL Managed Instance enable you to dynamically add more resources to your database with minimal downtime.

Box 2: Hyperscale -
Incorrect Answers:
- SQL Server on Azure VM: geo-replication not supported.
- Azure Synapse Analytics is not optimized for online transaction processing (OLTP).
- Azure SQL Managed Instance max database size is up to currently available instance size (depending on the number of vCores).

Max instance storage size (reserved) - 2 TB for 4 vCores
- 8 TB for 8 vCores
- 16 TB for other sizes

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

by Eltooth at *Dec. 16, 2021, 5:44 a.m.*

topic 2 question 9 discussion

Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 2

[All AZ-305 Questions]

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 **Most Voted**

D. Azure Time Series Insights **Most Voted**

Hide Answer

Suggested Answer: *CD*

Community vote distribution

CD (90%) 10%

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by Eltooth at *Dec. 16, 2021, 5:50 a.m.*

topic 2 question 10 discussion

Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 2

[All AZ-305 Questions]

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 **Most Voted**

B. Azure SQL Database that uses active geo-replication

C. Azure SQL Database Hyperscale

D. Azure Database for PostgreSQL

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

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by Eltooth at *Dec. 12, 2021, 9:27 p.m.*

topic 2 question 11 discussion

Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 2

[All AZ-305 Questions]

HOTSPOT -

You have an Azure subscription that contains the SQL servers on Azure shown in the following table.

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

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

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

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

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

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	○	○
When you enable auditing for SQLdb2, you can store the audit information to storage2.	○	○
When you enable auditing for SQLdb3, you can store the audit information to storage2.	○	○

Hide Answer

Suggested Answer:

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to storage1.	○	○
When you enable auditing for SQLdb2, you can store the audit information to storage2.	○	○
When you enable auditing for SQLdb3, you can store the audit information to storage2.	○	○

Box 1: Yes -

Auditing works fine for a Standard account.

Box 2: No -

Auditing limitations: Premium storage is currently not supported.

Box 3: No -

Auditing limitations: Premium storage is currently not supported.

Reference:

https://docs.microsoft.com/en-us/azure/azure-sql/database/auditing-overview#auditing-limitations

by default_wizard at *Dec. 13, 2021, 6:30 p.m.*

topic 2 question 12 discussion

Actual exam question from Microsoft's AZ-305

Question #: 12

Topic #: 2

[All AZ-305 Questions]

DRAG DROP -

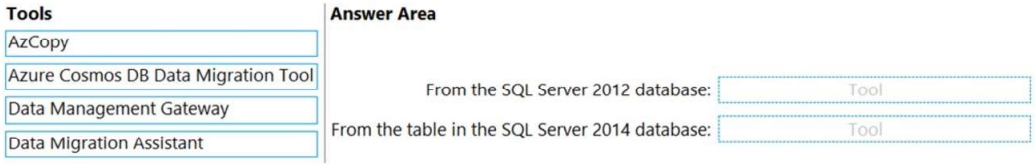
You plan to import data from your on-premises environment to Azure. The data is shown in the following table.

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.

Select and Place:



Hide Answer

Suggested Answer:

Box 1: Data Migration Assistant -

The Data Migration Assistant (DMA) helps you upgrade to a modern data platform by detecting compatibility issues that can impact database functionality in your new version of SQL Server or Azure SQL Database. DMA recommends performance and reliability improvements for your target environment and allows you to move your schema, data, and uncontained objects from your source server to your target server.

Incorrect:

AzCopy is a command-line utility that you can use to copy blobs or files to or from a storage account.

Box 2: Azure Cosmos DB Data Migration Tool

Azure Cosmos DB Data Migration Tool can used to migrate a SQL Server Database table to Azure Cosmos.

Reference:

https://docs.microsoft.com/en-us/sql/dma/dma-overview

https://docs.microsoft.com/en-us/azure/cosmos-db/cosmosdb-migrationchoices

by Gowind at *Sept. 2, 2022, 1:47 p.m.*

topic 2 question 13 discussion

Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 2

[All AZ-305 Questions]

You store web access logs data in Azure Blob Storage.

You plan to generate monthly reports from the access logs.

You need to recommend an automated process to upload the data to Azure SQL Database every month.

What should you include in the recommendation?

A. Microsoft SQL Server Migration Assistant (SSMA)

B. Data Migration Assistant (DMA)

C. AzCopy

D. Azure Data Factory **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (100%)

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by Gowind at *Sept. 2, 2022, 1:49 p.m.*

topic 2 question 14 discussion

Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 2

[All AZ-305 Questions]

You have an Azure subscription.

Your on-premises network contains a file server named Server1. Server1 stores 5 ¡¢¡' 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 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. **Most Voted**

B. Create a general-purpose v1 storage account. Create a blob container and copy the files to the blob container.

C. Create a general-purpose v2 storage account that is configured for the Cool default access tier. 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 Hot default access tier. Create a blob container, copy the files to the blob container, and set each file to the Archive access tier. **Most Voted**

E. Create a general-purpose v1 storage account. Create a fie share in the storage account and copy the files to the file share.

Hide Answer

Suggested Answer: *AD*

Community vote distribution

AD (94%) 6%

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by VMUN at *Aug. 31, 2022, 5:58 a.m.*

topic 2 question 15 discussion

Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 2

[All AZ-305 Questions]

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

You plan to migrate DB1 and DB2 to Azure

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

- Support server-side transactions across DB1 and DB2.
- Minimize administrative effort to update the solution.

What should you recommend?

A. two Azure SQL databases in an elastic pool

B. two databases on the same Azure SQL managed instance **Most Voted**

C. two databases on the same SQL Server instance on an Azure virtual machine

D. two Azure SQL databases on different Azure SQL Database servers

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

by Gowind at *Sept. 2, 2022, 2:56 p.m.*

topic 2 question 16 discussion

Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 2

[All AZ-305 Questions]

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

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

Which deployment option should you use?

A. Azure SQL Database Hyperscale

B. Azure SQL Database Premium **Most Voted**

C. Azure SQL Database Basic

D. Azure SQL Managed Instance General Purpose

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

---

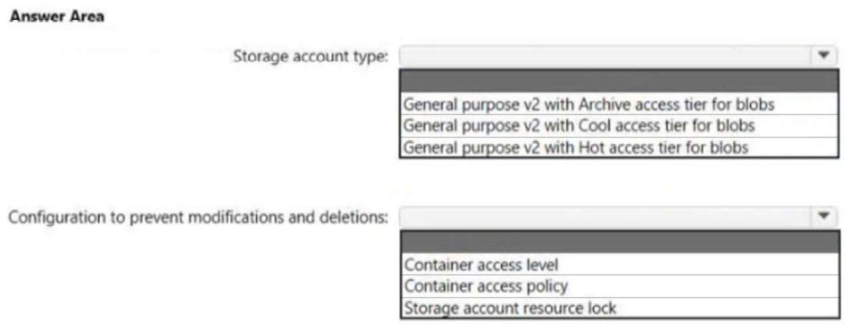
by Gowind at *Sept. 2, 2022, 3:10 p.m.*

topic 2 question 17 discussion

Actual exam question from Microsoft's AZ-305
Question #: 17
Topic #: 2
[All AZ-305 Questions]

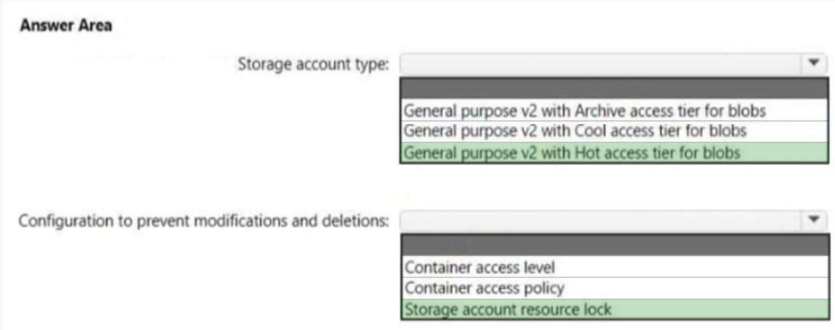
HOTSPOT -
You are planning an Azure Storage solution for sensitive data. The data will be accessed daily. The dataset is less than 10 GB.
You need to recommend a storage solution that meets the following requirements:
- All the data written to storage must be retained for five years.
- Once the data 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.
Hot Area:



Hide Answer

Suggested Answer:



Box 1: General purpose v2 with Hot access tier for blobs
Note:
* All the data written to storage must be retained for five years.
* Data access charges must be minimized
Hot tier has higher storage costs, but lower access and transaction costs.
Incorrect:
Not Archive: Lowest storage costs, but highest access, and transaction costs.
Not Cool: Lower storage costs, but higher access and transaction costs.
Box 2: Storage account resource lock
As an administrator, you can lock a subscription, resource group, or resource to prevent other users in your organization from accidentally deleting or modifying critical resources. The lock overrides any permissions the user might have.
Reference:
https://docs.microsoft.com/en-us/azure/storage/blobs/access-tiers-overview
https://docs.microsoft.com/en-us/azure/azure-resource-manager/management/lock-resources

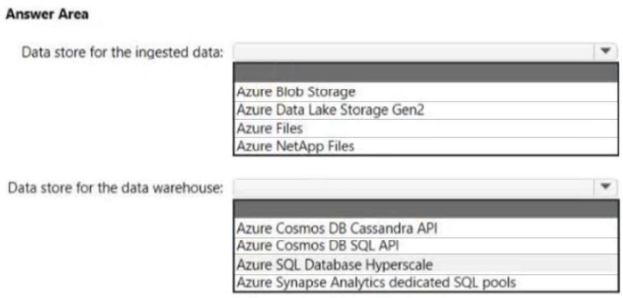
by mse89 at *Sept. 1, 2022, 8:15 a.m.*

topic 2 question 18 discussion

Actual exam question from Microsoft's AZ-305
Question #: 18
Topic #: 2
[All AZ-305 Questions]

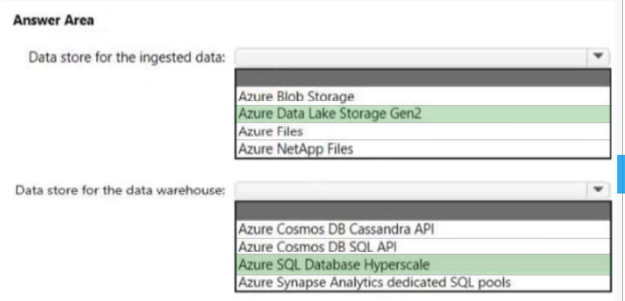
HOTSPOT -
You are designing a data storage solution to support reporting.
The solution will ingest high volumes of data in the JSON format by using Azure Event Hubs. As the data arrives, Event Hubs will write the data to storage. The solution must meet the following requirements:
- Organize data in directories by date and time.
- Allow stored data to be queried directly, transformed into summarized tables, and then stored in a data warehouse.
- Ensure that the data warehouse can store 50 TB of relational data and support between 200 and 300 concurrent read operations.

Which service should you recommend for each type of data store? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:



Hide Answer

Suggested Answer:



Box 1: Azure Data Lake Storage Gen2
Azure Data Explorer integrates with Azure Blob Storage and Azure Data Lake Storage (Gen1 and Gen2), providing fast, cached, and indexed access to data stored in external storage. You can analyze and query data without prior ingestion into Azure Data Explorer. You can also query across ingested and uningested external data simultaneously.
Azure Data Lake Storage is optimized storage for big data analytics workloads.
Use cases: Batch, interactive, streaming analytics and machine learning data such as log files, IoT data, click streams, large datasets
Box 2: Azure SQL Database Hyperscale
Azure SQL Database Hyperscale is optimized for OLTP and high throughput analytics workloads with storage up to 100TB.
A Hyperscale database supports up to 100 TB of data and provides high throughput and performance, as well as rapid scaling to adapt to the workload requirements. Connectivity, query processing, database engine features, etc. work like any other database in Azure SQL Database.
Hyperscale is a multi tiered architecture with caching at multiple levels. Effective IOPS will depend on the workload.
Compare to:
General purpose: 500 IOPS per vCore with 7,000 maximum IOPS
Business critical: 5,000 IOPS with 200,000 maximum IOPS
Incorrect:
* Azure Synapse Analytics Dedicated SQL pool.

Max database size: 240 TB -
A maximum of 128 concurrent queries will execute and remaining queries will be queued.
Reference:
https://docs.microsoft.com/en-us/azure/data-explorer/data-lake-query-data
https://docs.microsoft.com/en-us/azure/azure-sql/database/service-tier-hyperscale
https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-service-capacity-limits

by Akandeopo at *Sept. 4, 2022, 5:54 p.m.*

topic 2 question 19 discussion

Actual exam question from Microsoft's AZ-305

Question #: 19

Topic #: 2

[All AZ-305 Questions]

You have an app named App1 that uses an on-premises Microsoft SQL Server database named DB1.

You plan to migrate DB1 to an Azure SQL managed instance.

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

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

A. RSA 3072 **Most Voted**

B. AES 256

C. RSA 4096

D. RSA 2048

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (91%) 9%

---

by jose at *Jan. 5, 2023, 9:53 a.m.*

topic 2 question 20 discussion

Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 2

[All AZ-305 Questions]

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 for NoSQL **Most Voted**

D. Azure Time Series Insights **Most Voted**

Hide Answer

Suggested Answer: *CD*

Community vote distribution

CD (100%)

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by Sammy1989 at *Jan. 5, 2023, 4:59 p.m.*

topic 2 question 21 discussion

Actual exam question from Microsoft's AZ-305
Question #: 21
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

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

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

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Storage account type:
- Premium block blobs
- General purpose v2 with Cool access tier for blobs
- General purpose v2 with Hot access tier for blobs

Configuration to prevent modifications and deletions:
- Container access level
- Container access policy
- Storage account resource lock

Hide Answer

Suggested Answer:

Answer Area

Storage account type:
- Premium block blobs
- General purpose v2 with Cool access tier for blobs
- General purpose v2 with Hot access tier for blobs

Configuration to prevent modifications and deletions:
- Container access level
- Container access policy
- Storage account resource lock

by IRISone at *Jan. 16, 2023, 6:09 p.m.*

topic 2 question 22 discussion

Actual exam question from Microsoft's AZ-305
Question #: 22
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

You are designing a data analytics solution that will use Azure Synapse and Azure Data Lake Storage Gen2.

You need to recommend Azure Synapse pools to meet the following requirements:

- Ingest data from Data Lake Storage into hash-distributed tables.
- Implement query, and update data in Delta Lake.

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

NOTE: Each correct selection is worth one point.

Answer Area

Ingest data from Data Lake Storage into hash-distributed tables:
- A dedicated SQL pool
- A serverless Apache Spark pool
- A serverless SQL pool

Implement, query, and update data in Delta Lake:
- A dedicated SQL pool
- A serverless Apache Spark pool
- A serverless SQL pool

Hide Answer

Suggested Answer:

Answer Area

Ingest data from Data Lake Storage into hash-distributed tables: **A dedicated SQL pool**

Implement, query, and update data in Delta Lake: **A serverless SQL pool**

by Asten at *Jan. 18, 2023, 8:45 a.m.*

topic 2 question 23 discussion

Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 2

[All AZ-305 Questions]

You have an on-premises storage solution.

You need to migrate the solution to Azure. The solution must support Hadoop Distributed File System (HDFS).

What should you use?

A. Azure Data Lake Storage Gen2 **Most Voted**

B. Azure NetApp Files

C. Azure Data Share

D. Azure Table storage

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

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by [deleted] at *Jan. 16, 2023, 4:55 p.m.*

topic 2 question 24 discussion

Actual exam question from Microsoft's AZ-305
Question #: 24
Topic #: 2
[All AZ-305 Questions]

DRAG DROP
-

You have an on-premises app named App1.

Customers use App1 to manage digital images.

You plan to migrate App1 to Azure.

You need to recommend a data storage solution for App1. The solution must meet the following image storage requirements:

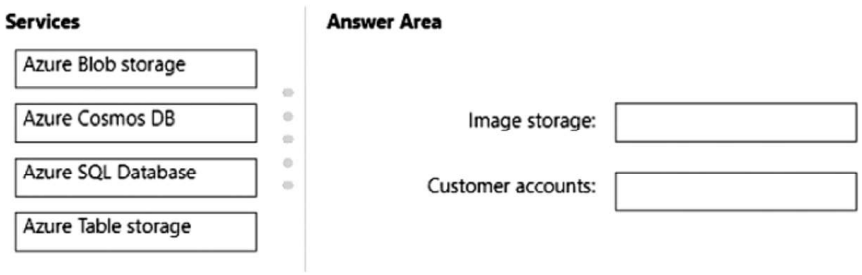
- Encrypt images at rest.
- Allow files up to 50 MB.
- Manage access to the images by using Azure Web Application Firewall (WAF) on Azure Front Door.

The solution must meet the following customer account requirements:

- Support automatic scale out of the storage.
- Maintain the availability of App1 if a datacenter fails.
- Support reading and writing data from multiple Azure regions.

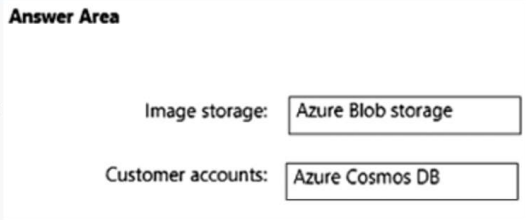
Which service should you include in the recommendation for each type of data? To answer, drag the appropriate services to the correct type of data. Each service may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct answer is worth one point.



Hide Answer

Suggested Answer:



by SH_22 at *Feb. 21, 2023, 7:34 p.m.*

topic 2 question 25 discussion

Actual exam question from Microsoft's AZ-305

Question #: 25

Topic #: 2

[All AZ-305 Questions]

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 for NoSQL **Most Voted**

B. Azure SQL Database that uses active geo-replication

C. Azure SQL Database Hyperscale

D. Azure Cosmos DB for PostgreSQL

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (96%) 4%

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by Coolfrenesie at *Feb. 16, 2023, 3:27 p.m.*

topic 2 question 26 discussion

Actual exam question from Microsoft's AZ-305

Question #: 26

Topic #: 2

[All AZ-305 Questions]

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

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

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

Which compute tier should you recommend?

A. Burstable

B. General Purpose **Most Voted**

C. Memory Optimized

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (91%) 9%

---

by Coolfrenesie at *Feb. 16, 2023, 3:37 p.m.*

topic 2 question 27 discussion

Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 2

[All AZ-305 Questions]

You are designing an app that will use Azure Cosmos DB to collate sales from multiple countries.

You need to recommend an API for the app. The solution must meet the following requirements:

- Support SQL queries.
- Support geo-replication.
- Store and access data relationally.

Which API should you recommend?

A. Apache Cassandra

B. PostgreSQL **Most Voted**

C. MongoDB

D. NoSQL

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

---

by jozir8 at *April 19, 2023, 9:05 a.m.*

topic 2 question 28 discussion

Actual exam question from Microsoft's AZ-305
Question #: 28
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

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

You plan to stream the events to an Azure event hub and use Event Hubs Capture to implement cold path processing of the events. The output of Event Hubs Capture will be consumed by a reporting system.

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

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

NOTE: Each correct selection is worth one point.

Answer Area

Storage type:
- Azure Data Lake Storage Gen2
- Premium block blobs
- Premium file shares

Data format:
- Apache Parquet
- Avro
- JSON

Hide Answer

Suggested Answer:

Answer Area

Storage type:
- Azure Data Lake Storage Gen2
- Premium block blobs
- Premium file shares

Data format:
- Apache Parquet
- Avro
- JSON

by Sanaie at *April 19, 2023, 11:21 a.m.*

topic 2 question 29 discussion

Actual exam question from Microsoft's AZ-305

Question #: 29

Topic #: 2

[All AZ-305 Questions]

You have the resources shown in the following table.

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB for NoSQL 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 Analytics with PolyBase data loading

C. Azure Synapse Link for Azure Cosmos DB **Most Voted**

D. Azure Cosmos DB change feed

Hide Answer

Suggested Answer: *C*

Community vote distribution

C (100%)

---

by NotMeAnyWay at *July 13, 2023, 5:35 p.m.*

topic 2 question 30 discussion

Actual exam question from Microsoft's AZ-305
Question #: 30
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

You have an Azure subscription. The subscription contains an Azure SQL managed instance that stores employee details, including social security numbers and phone numbers.

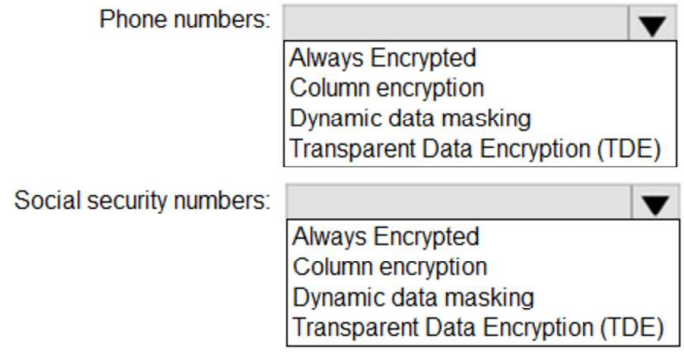
You need to configure the managed instance to meet the following requirements:

• The helpdesk team must see only the last four digits of an employee's phone number.
• Cloud administrators must be prevented from seeing the employee's social security numbers.

What should you enable for each column in the managed instance? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

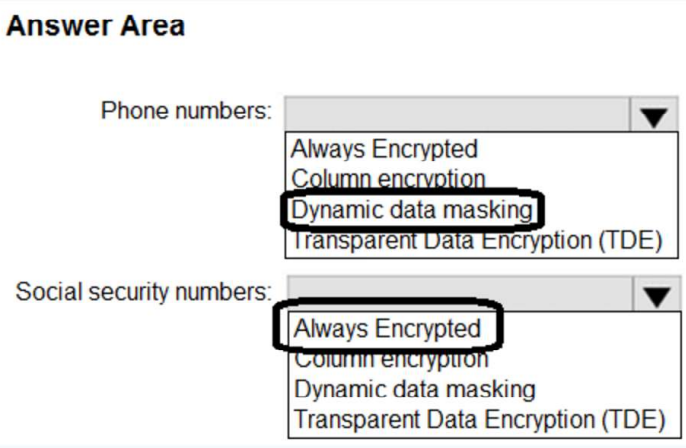
Answer Area



Hide Answer

Suggested Answer:

Answer Area



by marcellov at *Sept. 22, 2023, 4:18 p.m.*

topic 2 question 31 discussion

Actual exam question from Microsoft's AZ-305

Question #: 31

Topic #: 2

[All AZ-305 Questions]

You plan to use an Azure Storage account to store data assets.

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

- Supports immutable storage
- Disables anonymous access to the storage account
- Supports access control list (ACL)-based Azure AD permissions

What should you include in the recommendation?

A. Azure Files

B. Azure Data Lake Storage **Most Voted**

C. Azure NetApp Files

D. Azure Blob Storage

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (72%) D (28%)

---

by Gato_Pirao at *Sept. 22, 2023, 1:56 p.m.*

topic 2 question 32 discussion

Actual exam question from Microsoft's AZ-305
Question #: 32
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

You are designing a storage solution that will ingest, store, and analyze petabytes (PBs) of structured, semi-structured, and unstructured text data. The analyzed data will be offloaded to Azure Data Lake Storage Gen2 for long-term retention.

You need to recommend a storage and analytics solution that meets the following requirements:
• Stores the processed data
• Provides interactive analytics
• Supports manual scaling, built-in autoscaling, and custom autoscaling

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

NOTE: Each correct selection is worth one point.

Answer Area

For storage and interactive analytics:
- Azure Data Explorer
- Azure Data Lake Analytics
- Log Analytics

Query language:
- KQL
- Transact-SQL
- U-SQL

Hide Answer

Suggested Answer:

Answer Area

For storage and interactive analytics:
- Azure Data Explorer
- **Azure Data Lake Analytics**
- Log Analytics

Query language:
- KQL
- Transact-SQL
- **U-SQL**

by Gato_Pirao at *Sept. 22, 2023, 2:02 p.m.*

topic 2 question 33 discussion

Actual exam question from Microsoft's AZ-305

Question #: 33

Topic #: 2

[All AZ-305 Questions]

HOTSPOT

-

You plan to use Azure SQL as a database platform.

You need to recommend an Azure SQL product and service tier that meets the following requirements:

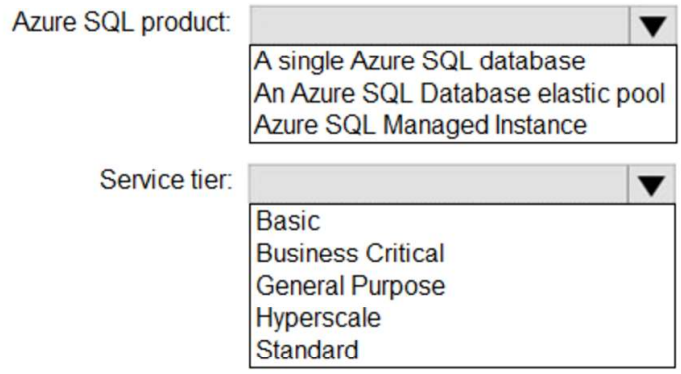
• Automatically scales compute resources based on the workload demand

• Provides per second billing

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

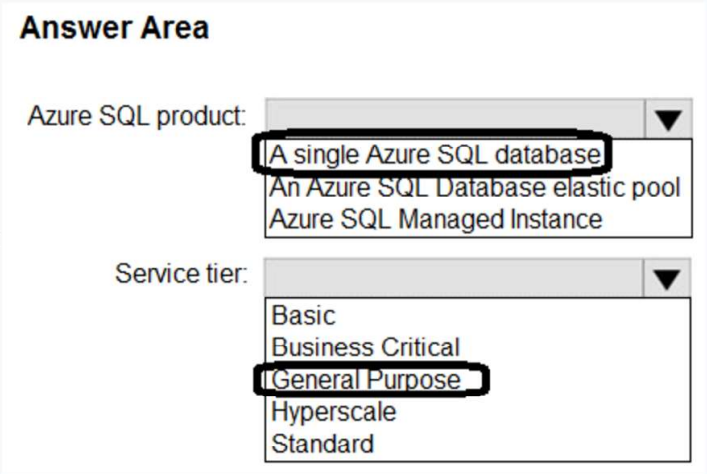
NOTE: Each correct selection is worth one point.

Answer Area



Hide Answer

Suggested Answer:



by Gato_Pirao at *Sept. 22, 2023, 2:07 p.m.*

topic 2 question 34 discussion

Actual exam question from Microsoft's AZ-305

Question #: 34

Topic #: 2

[All AZ-305 Questions]

HOTSPOT

-

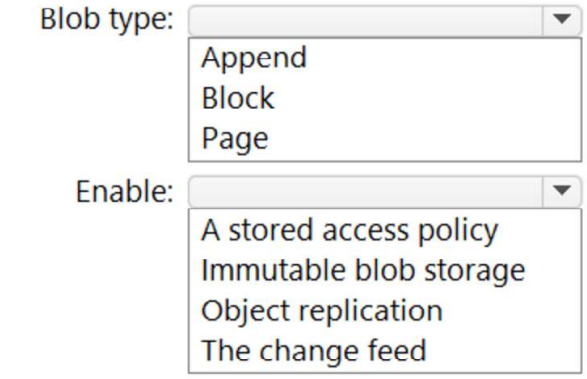
You have an Azure subscription.

You need to deploy a solution that will provide point-in-time restore for blobs in storage accounts that have blob versioning and blob soft delete enabled.

Which type of blob should you create, and what should you enable for the accounts? To answer, select the appropriate options in the answer area.

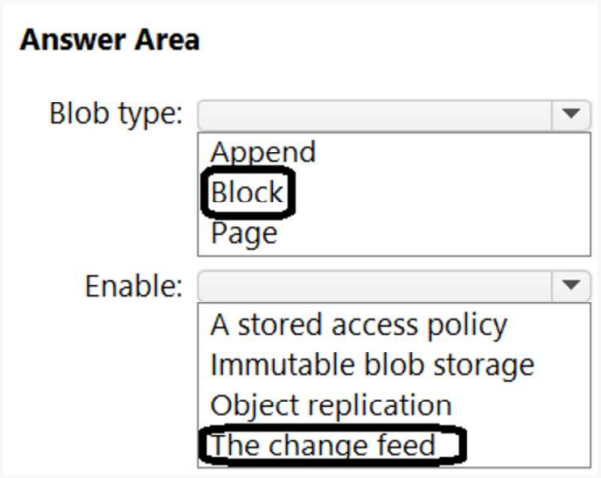
NOTE: Each correct selection is worth one point.

Answer Area



Hide Answer

Suggested Answer:



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by mykola_yakovliev at *Oct. 6, 2023, 9:07 a.m.*

topic 2 question 35 discussion

Actual exam question from Microsoft's AZ-305
Question #: 35
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

Your company, named Contoso, Ltd., has an Azure subscription that contains the following resources:

- An Azure Synapse Analytics workspace named contosoworkspace1
- An Azure Data Lake Storage account named contosolake1
- An Azure SQL database named contososql1

The product data of Contoso is copied from contososql1 to contosolake1.

Contoso has a partner company named Fabrikam Inc. Fabrikam has an Azure subscription that contains the following resources:

- A virtual machine named FabrikamVM1 that runs Microsoft SQL Server 2019
- An Azure Storage account named fabrikamsa1

Contoso plans to upload the research data on FabrikamVM1 to contosolake1. During the upload, the research data must be transformed to the data formats used by Contoso.

The data in contosolake1 will be analyzed by using contosoworkspace1.

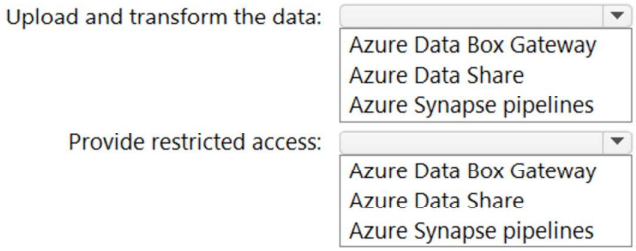
You need to recommend a solution that meets the following requirements:

- Upload and transform the FabrikamVM1 research data.
- Provide Fabrikam with restricted access to snapshots of the data in contosoworkspace1.

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

NOTE: Each correct selection is worth one point.

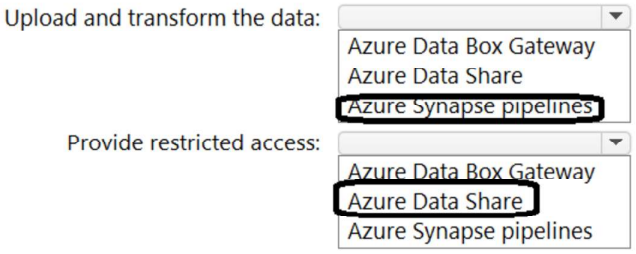
Answer Area



Hide Answer

Suggested Answer:

Answer Area



by mykola_yakovliev at *Oct. 6, 2023, 9:22 a.m.*

topic 2 question 36 discussion

Actual exam question from Microsoft's AZ-305
Question #: 36
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

You are designing a data pipeline that will integrate large amounts of data from multiple on-premises Microsoft SQL Server databases into an analytics platform in Azure. The pipeline will include the following actions:

• Database updates will be exported periodically into a staging area in Azure Blob storage.
• Data from the blob storage will be cleansed and transformed by using a highly parallelized load process.
• The transformed data will be loaded to a data warehouse.
• Each batch of updates will be used to refresh an online analytical processing (OLAP) model in a managed serving layer.
• The managed serving layer will be used by thousands of end users.

You need to implement the data warehouse and serving layers.

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

NOTE: Each correct selection is worth one point.

Answer Area

To implement the data warehouse:
- An Apache Spark pool in Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool
- Azure Data Lake Analytics

To implement the serving layer:
- Azure Analysis Services
- An Apache Spark pool Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool

Hide Answer

Suggested Answer:

Answer Area

To implement the data warehouse:
- An Apache Spark pool in Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool
- Azure Data Lake Analytics

To implement the serving layer:
- Azure Analysis Services
- An Apache Spark pool Azure Synapse Analytics
- An Azure Synapse Analytics dedicated SQL pool

by RJalal at *Oct. 7, 2023, 12:43 p.m.*

topic 2 question 37 discussion

Actual exam question from Microsoft's AZ-305
Question #: 37
Topic #: 2
[All AZ-305 Questions]

HOTSPOT
-

You have an Azure subscription.

You need to deploy a relational database. The solution must meet the following requirements:

- Support multiple read-only replicas.
- Automatically load balance read-only requests across all the read-only replicas.
- Minimize administrative effort

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

NOTE: Each correct selection is worth one point.

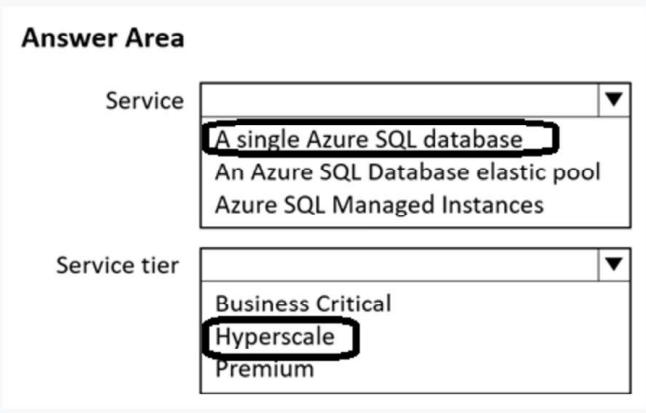
Answer Area

Service
- A single Azure SQL database
- An Azure SQL Database elastic pool
- Azure SQL Managed Instances

Service tier
- Business Critical
- Hyperscale
- Premium

Hide Answer

Suggested Answer:



by [deleted] at *Jan. 8, 2024, 8 p.m.*

topic 2 question 38 discussion

Actual exam question from Microsoft's AZ-305

Question #: 38

Topic #: 2

[All AZ-305 Questions]

You have an app named App1 that uses an Azure Blob Storage container named app1data.

App1 uploads a cumulative transaction log file named File1.txt to a block blob in app1data once every hour. File1.txt only stores transaction data from the current day.

You need to ensure that you can restore the last uploaded version of File1.txt from any day for up to 30 days after the file was overwritten. The solution must minimize storage space.

What should you include in the solution?

A. container soft delete

B. blob snapshots

C. blob soft delete

D. blob versioning **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (79%) B (21%)

---

by mns0173 at *Jan. 5, 2024, 1:57 p.m.*

topic 2 question 39 discussion

Actual exam question from Microsoft's AZ-305

Question #: 39

Topic #: 2

[All AZ-305 Questions]

You have 12 on-premises data sources that contain customer information and consist of Microsoft SQL Server, MySQL, and Oracle databases.

You have an Azure subscription.

You plan to create an Azure Data Lake Storage account that will consolidate the customer information for analysis and reporting.

You need to recommend a solution to automatically copy new information from the data sources to the Data Lake Storage account by using extract, transform and load (ETL). The solution must minimize administrative effort.

What should you include in the recommendation?

A. Azure Data Factory **Most Voted**

B. Azure Data Explorer

C. Azure Data Share

D. Azure Data Studio

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

---

by kishoredeena at *Jan. 4, 2024, 6:17 p.m.*

topic 3 question 1 discussion

Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 3

[All AZ-305 Questions]

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

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

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

What should you include in the recommendation?

A. Azure virtual machine availability sets

B. Azure Disk Backup

C. an Always On availability group

D. Azure Site Recovery **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (84%) C (16%)

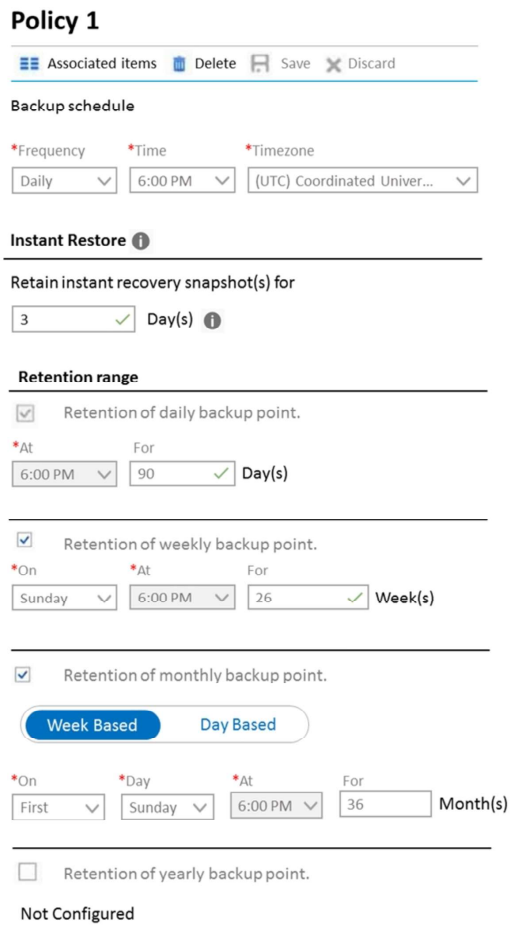
---

by Eltooth at *Dec. 16, 2021, 6:49 a.m.*

topic 3 question 2 discussion

Actual exam question from Microsoft's AZ-305
Question #: 2
Topic #: 3
[All AZ-305 Questions]

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



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

Answer Area

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

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

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

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

Hide Answer

Suggested Answer:

Answer Area

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

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

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

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

by default_wizard at *Dec. 13, 2021, 6:32 p.m.*

topic 3 question 3 discussion

Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 3

[All AZ-305 Questions]

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

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

You 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 two Azure virtual machines to two Azure regions, and you create an Azure Traffic Manager profile.

Does this meet the goal?

A. Yes **Most Voted**

B. No

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

by Eltooth at *Dec. 13, 2021, 4:44 a.m.*

topic 3 question 4 discussion

Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 3

[All AZ-305 Questions]

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

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

You 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 two Azure virtual machines to two Azure regions, and you deploy an Azure Application Gateway.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: *B*

Community vote distribution

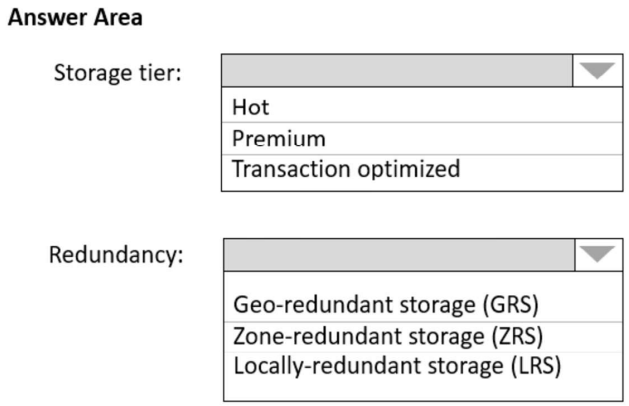
B (100%)

by Eltooth at *Dec. 13, 2021, 4:42 a.m.*

topic 3 question 5 discussion

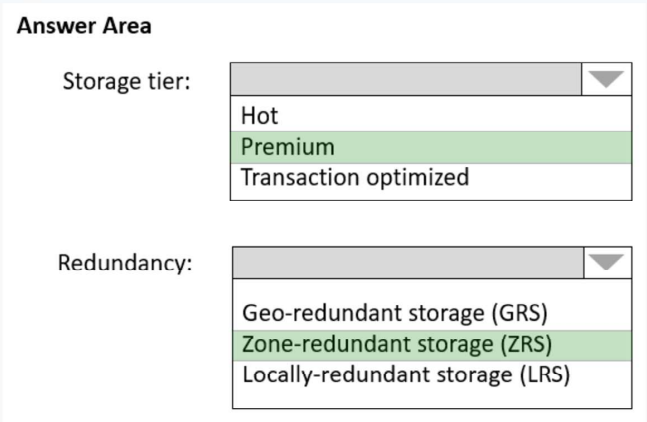
Actual exam question from Microsoft's AZ-305
Question #: 5
Topic #: 3
[All AZ-305 Questions]

HOTSPOT -
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.
Hot Area:



Hide Answer

Suggested Answer:



Box 1: Premium -
Premium: Premium file shares are backed by solid-state drives (SSDs) and provide consistent high performance and low latency, within single-digit milliseconds for most IO operations, for IO-intensive workloads.
Incorrect Answers:
- Hot: Hot file shares offer storage optimized for general purpose file sharing scenarios such as team shares. Hot file shares are offered on the standard storage hardware backed by HDDs.
- Transaction optimized: Transaction optimized file shares enable transaction heavy workloads that don't need the latency offered by premium file shares.

Transaction optimized file shares are offered on the standard storage hardware backed by hard disk drives (HDDs). Transaction optimized has historically been called "standard", however this refers to the storage media type rather than the tier itself (the hot and cool are also "standard" tiers, because they are on standard storage hardware).
Box 2: Zone-redundant storage (ZRS):
Premium Azure file shares only support LRS and ZRS.
Zone-redundant storage (ZRS): With ZRS, three copies of each file stored, however these copies are physically isolated in three distinct storage clusters in different Azure availability zones.
Reference:
https://docs.microsoft.com/en-us/azure/storage/files/storage-files-planning

by Eltooth at *Dec. 13, 2021, 4:41 a.m.*

topic 3 question 6 discussion

Actual exam question from Microsoft's AZ-305

Question #: 6

Topic #: 3

[All AZ-305 Questions]

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

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

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

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

Solution: You deploy an Azure virtual machine scale set that uses autoscaling.

Does this meet the goal?

A. Yes

B. No **Most Voted**

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

by Eltooth at *Dec. 13, 2021, 4:41 a.m.*

topic 3 question 7 discussion

Actual exam question from Microsoft's AZ-305
Question #: 7
Topic #: 3
[All AZ-305 Questions]

HOTSPOT -
You need to recommend an Azure Storage account configuration for two applications named Application1 and Application2. The configuration must meet the following requirements:
- Storage for Application1 must provide the highest possible transaction rates and the lowest possible latency.
- Storage for Application2 must provide the lowest possible storage costs per GB.
- Storage for both applications must be available in an event of datacenter failure.
- Storage for both applications must be optimized for uploads and downloads.

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

Answer Area

Application1:
- BlobStorage with Standard performance, Hot access tier, and Read-access geo-redundant storage (RA-GRS) replication
- BlockBlobStorage with Premium performance and Zone-redundant storage (ZRS) replication
- General purpose v1 with Premium performance and Locally-redundant storage (LRS) replication
- General purpose v2 with Standard performance, Hot access tier, and Locally-redundant storage (LRS) replication

Application2:

Hide Answer

Suggested Answer:

Box 1: BlobStorage with Premium Performance,λ€¦
Application1 requires high transaction rates and the lowest possible latency. We need to use Premium, not Standard.
Box 2: General purpose v2 with Standard Performance,..
General Purpose v2 provides access to the latest Azure storage features, including Cool and Archive storage, with pricing optimized for the lowest GB storage prices. These accounts provide access to Block Blobs, Page Blobs, Files, and Queues. Recommended for most scenarios using Azure Storage.
Reference:
https://docs.microsoft.com/en-us/azure/storage/common/storage-account-upgrade

by most_lenyora at *Sept. 5, 2022, 9:11 a.m.*

topic 3 question 8 discussion

Actual exam question from Microsoft's AZ-305

Question #: 8

Topic #: 3

[All AZ-305 Questions]

HOTSPOT -

You plan to develop a new app that will store business critical data. The app must meet the following requirements:

- Prevent new data from being modified for one year.
- 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.

Hot Area:

Answer Area

Storage Account type:
- Premium block blobs
- Standard general-purpose v1
- Standard general-purpose v2

Redundancy:
- Zone-redundant storage (ZRS)
- Locally-redundant storage (LRS)

Hide Answer

Suggested Answer:

Answer Area

Storage Account type:
- Premium block blobs
- Standard general-purpose v1
- Standard general-purpose v2

Redundancy:
- Zone-redundant storage (ZRS)
- Locally-redundant storage (LRS)

Box 1: Standard general-purpose v2

Standard general-purpose v2 supports immutable storage.

In general Standard general-purpose v2 is the preferred Microsoft recommendation.

Box 2: Zone-redundant storage (ZRS)

ZRS is more resilient compared to LRS.

Note: RA-GRS is even more resilient, but it is not an option here.

Reference:

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

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by mse89 at *Sept. 1, 2022, 8:22 a.m.*

topic 3 question 9 discussion

Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 3

[All AZ-305 Questions]

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. Azure Front Door **Most Voted**

B. Azure Traffic Manager

C. AKS ingress controller

D. Azure Load Balancer

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (93%) 6%

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by most_lenyora at *Sept. 5, 2022, 9:35 a.m.*

topic 3 question 10 discussion

Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 3

[All AZ-305 Questions]

HOTSPOT -

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.

Hot Area:

Answer Area

Storage Account type: [ ]

Premium block blobs

Hide Answer

Suggested 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)

Box 1: Standard general-purpose v2

Standard general-purpose v2 meets the requirements and minimizes the costs.

Box 2: Zone-redundant storage (ZRS)

ZRS protects against a Datacenter failure, while minimizing the costs.

Reference:

https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy

by most_lenyora at *Sept. 5, 2022, 9:39 a.m.*

topic 3 question 11 discussion

Actual exam question from Microsoft's AZ-305
Question #: 11
Topic #: 3
[All AZ-305 Questions]

HOTSPOT -
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.
Hot Area:

Answer Area

To where will KV1 fail over?
- A server in the same availability set
- A server in the same fault domain
- A server in the paired region
- A virtual machine in a scale set

During the failover, which request type will be unavailable?
- Get
- List
- Wrap
- Delete
- Unwrap
- Backup
- Decrypt
- Encrypt

Hide Answer

Suggested Answer:

Answer Area

To where will KV1 fail over?
- A server in the same availability set
- A server in the same fault domain
- A server in the paired region
- A virtual machine in a scale set

During the failover, which request type will be unavailable?
- Get
- List
- Wrap
- Delete
- Unwrap
- Backup
- Decrypt
- Encrypt

Box 1: A server in the paired region
The contents of your key vault are replicated within the region and to a secondary region at least 150 miles away, but within the same geography to maintain high durability of your keys and secrets. Regions are paired for cross-region replication based on proximity and other factors.

Box 2. Delete -
During failover, your key vault is in read-only mode. Requests that are supported in this mode are:

List certificates -

Get certificates -

List secrets -

Get secrets -

List keys -

Get (properties of) keys -

Encrypt -

Decrypt -

Wrap -

Unwrap -

Verify -

Sign -

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

by most_lenyora at *Sept. 5, 2022, 9:42 a.m.*

topic 3 question 12 discussion

Actual exam question from Microsoft's AZ-305
Question #: 12
Topic #: 3
[All AZ-305 Questions]

DRAG DROP -
Your company identifies the following business continuity and disaster recovery objectives for virtual machines that host sales, finance, and reporting applications in the company's on-premises data center:
- The sales application must be able to fail over to a second on-premises data center.
- The reporting application must be able to recover point-in-time data at a daily granularity. The RTO is eight hours.
- 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 time objective (RTO) is 10 minutes.

You need to recommend which services meet the business continuity and disaster recovery objectives. The solution must minimize costs.
What should you recommend for each application? To answer, drag the appropriate services to the correct applications. 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.
Select and Place:

Hide Answer

Suggested Answer:

Box 1: Azure Site Recovery -

Azure Site Recovery -
Coordinates virtual-machine and physical-server replication, failover, and fullback.
DR solutions have low Recovery point objectives; DR copy can be behind by a few seconds/minutes.
DR needs only operational recovery data, which can take hours to a day. Using DR data for long-term retention is not recommended because of the fine-grained data capture.
Disaster recovery solutions have smaller Recovery time objectives because they are more in sync with the source.
Remote monitor the health of machines and create customizable recovery plans.
Box 2: Azure Site Recovery and Azure Backup
Backup ensures that your data is safe and recoverable while Site Recovery keeps your workloads available when/if an outage occurs.

Box 3: Azure Backup only -

Azure Backup -
Backs up data on-premises and in the cloud
Have wide variability in their acceptable Recovery point objective. VM backups usually one day while database backups as low as 15 minutes.
Backup data is typically retained for 30 days or less. From a compliance view, data may need to be saved for years. Backup data is ideal for archiving in such instances.
Because of a larger Recovery point objective, the amount of data a backup solution needs to process is usually much higher, which leads to a longer Recovery time objective.
Reference:
https://lighthousemsp.com/whats-the-difference-between-azure-backup-and-azure-site-recovery/

by most_lenyora at *Sept. 5, 2022, 9:44 a.m.*

topic 3 question 13 discussion

Actual exam question from Microsoft's AZ-305

Question #: 13

Topic #: 3

[All AZ-305 Questions]

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

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

Which deployment option should you use?

A. Azure SQL Managed Instance Business Critical

B. Azure SQL Database Premium **Most Voted**

C. Azure SQL Database Basic

D. Azure SQL Managed Instance General Purpose

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (93%) 5%

by Gabor_Jozsef at *Aug. 30, 2022, 5:01 p.m.*

topic 3 question 14 discussion

Actual exam question from Microsoft's AZ-305

Question #: 14

Topic #: 3

[All AZ-305 Questions]

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

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

Which deployment option should you use?

A. Azure SQL Managed Instance Business Critical

B. Azure SQL Database Premium **Most Voted**

C. Azure SQL Database Basic

D. Azure SQL Database Hyperscale

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (92%) 8%

---

by Snownoodles at *Sept. 5, 2022, 5:49 p.m.*

topic 3 question 15 discussion

Actual exam question from Microsoft's AZ-305

Question #: 15

Topic #: 3

[All AZ-305 Questions]

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

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

You 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 **Most Voted**

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

by most_lenyora at *Sept. 5, 2022, 9:49 a.m.*

topic 3 question 16 discussion

Actual exam question from Microsoft's AZ-305

Question #: 16

Topic #: 3

[All AZ-305 Questions]

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

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

Which deployment option should you use?

A. Azure SQL Database Serverless

B. Azure SQL Database Business Critical **Most Voted**

C. Azure SQL Database Basic

D. Azure SQL Database Standard

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (60%) A (40%)

---

by shubhary25 at *Sept. 1, 2022, 1:05 p.m.*

topic 3 question 17 discussion

Actual exam question from Microsoft's AZ-305
Question #: 17
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You have an on-premises Microsoft SQL Server database named SQL1.

You plan to migrate SQL1 to Azure.

You need to recommend a hosting solution for SQL1. The solution must meet the following requirements:

- Support the deployment of multiple secondary, read-only replicas.
- Support automatic replication between primary and secondary replicas.
- Support failover between primary and secondary replicas within a 15-minute recovery time objective (RTO).

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

Azure service or service tier: ▼
- Azure SQL Database
- Azure SQL managed Instance
- The Hyperscale service tier

Replication mechanism: ▼
- Active geo-replication
- Auto-failover groups
- Standard geo-replication

Hide Answer

Suggested Answer:

Answer Area

Azure service or service tier: ▼
- Azure SQL Database
- Azure SQL managed Instance
- The Hyperscale service tier

Replication mechanism: ▼
- Active geo-replication
- Auto-failover groups
- Standard geo-replication

by maku067 at *Jan. 5, 2023, 5:49 p.m.*

topic 3 question 18 discussion

Actual exam question from Microsoft's AZ-305
Question #: 18
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You have two on-premises Microsoft SQL Server 2017 instances that host an Always On availability group named AG1. AG1 contains a single database named DB1.

You have an Azure subscription that contains a virtual machine named VM1. VM1 runs Linux and contains a SQL Server 2019 instance.

You need to migrate DB1 to VM1. The solution must minimize downtime on DB1.

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

NOTE: Each correct selection is worth one point.

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

Perform the migration by using:
- A distributed availability group
- Azure Migrate
- Log shipping

Hide Answer

Suggested Answer:

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

Perform the migration by using:
- A distributed availability group
- Azure Migrate
- Log shipping

by maku067 at *Jan. 5, 2023, 7:10 p.m.*

topic 3 question 19 discussion

Actual exam question from Microsoft's AZ-305
Question #: 19
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You are building an Azure web app that will store the Personally Identifiable Information (PII) of employees.

You need to recommend an Azure SQL. Database solution for the web app. The solution must meet the following requirements:

- Maintain availability in the event of a single datacenter outage.
- Support the encryption of specific columns that contain PII.
- Automatically scale up during payroll operations.
- Minimize costs.

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

NOTE: Each correct selection is worth one point.

Answer Area

Service tier and computer tier:
- Business Critical service tier and Serverless computer tier
- General Purpose service tier and Serverless computer tier
- Hyperscale service tier and Provisioned compute tier

Encryption method:
- Always Encrypted
- Microsoft SQL Server and database encryption keys
- Transparent Data Encryption (TDE)

Hide Answer

Suggested Answer:

Answer Area

Service tier and computer tier:
- Business Critical service tier and Serverless computer tier
- General Purpose service tier and Serverless computer tier
- Hyperscale service tier and Provisioned compute tier

Encryption method:
- Always Encrypted
- Microsoft SQL Server and database encryption keys
- Transparent Data Encryption (TDE)

by zoodata at *Jan. 16, 2023, 3:19 p.m.*

topic 3 question 20 discussion

Actual exam question from Microsoft's AZ-305

Question #: 20

Topic #: 3

[All AZ-305 Questions]

You plan to deploy an Azure Database for MySQL flexible server named Server1 to the East US Azure region.

You need to implement a business continuity solution for Server1. The solution must minimize downtime in the event of a failover to a paired region.

What should you do?

A. Create a read replica.

B. Store the database files in Azure premium file shares.

C. Implement Geo-redundant backup. **Most Voted**

D. Configure native MySQL replication.

Hide Answer

Suggested Answer: *C*

Community vote distribution

C (76%) A (20%) 4%

---

by chillzz at *April 19, 2023, 1:26 p.m.*

topic 3 question 21 discussion

Actual exam question from Microsoft's AZ-305

Question #: 21

Topic #: 3

[All AZ-305 Questions]

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

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

You need to recommend a load balancing solution that will distribute incoming traffic for VMSS1 across NVA1 and NVA2. The solution must minimize administrative effort.

What should you include in the recommendation?

A. Gateway Load Balancer **Most Voted**

B. Azure Front Door

C. Azure Application Gateway

D. Azure Traffic Manager

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

---

by daws08322 at *Sept. 23, 2023, 12:47 a.m.*

topic 3 question 22 discussion

Actual exam question from Microsoft's AZ-305
Question #: 22
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You have the Azure subscriptions shown in the following table.

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

Contoso.onmicrosft.com contains a user named User1.

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

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

What should you create in each subscription? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Sub1:
- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

Sub2:
- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

Hide Answer

Suggested Answer:

Answer Area

Sub1:
- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

Sub2:
- A Recovery Services vault
- A Resource Guard
- An Azure Site Recovery job
- Microsoft Azure Backup Server (MABS)
- The Microsoft Azure Recovery Services (MARS) agent

by DTM23 at *Oct. 6, 2023, 9:59 p.m.*

topic 3 question 23 discussion

Actual exam question from Microsoft's AZ-305

Question #: 23

Topic #: 3

[All AZ-305 Questions]

HOTSPOT

-

You have 10 on-premises servers that run Windows Server.

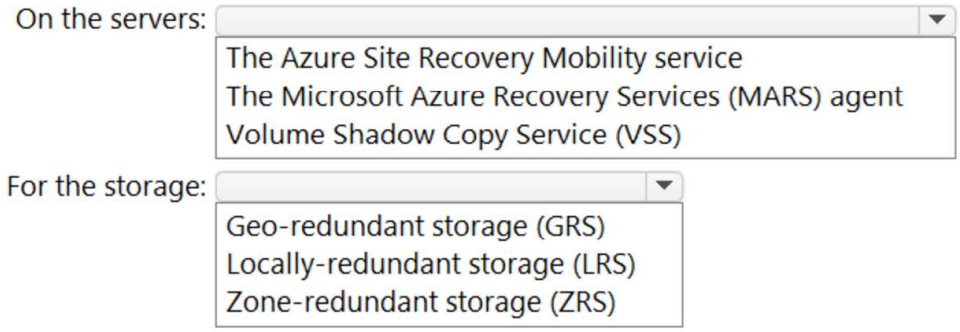
You need to perform daily backups of the servers to a Recovery Services vault. The solution must meet the following requirements:

- Back up all the files and folders on the servers.
- Maintain three copies of the backups in Azure.
- Minimize costs.

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

NOTE: Each correct selection is worth one point.

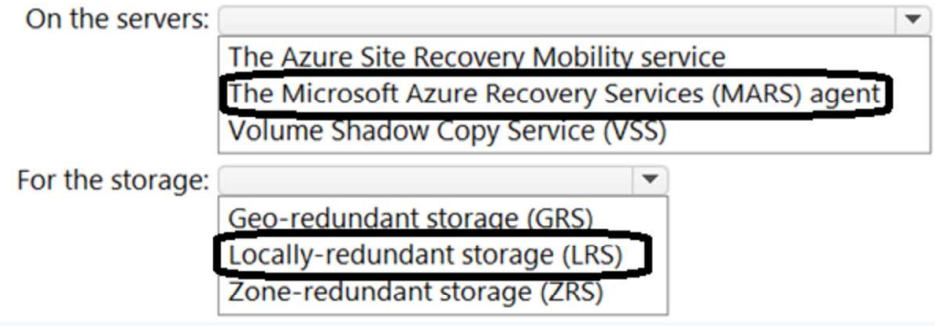
Answer Area



Hide Answer

Suggested Answer:

Answer Area



by RJalal at *Oct. 7, 2023, 1:15 p.m.*

topic 3 question 24 discussion

Actual exam question from Microsoft's AZ-305
Question #: 24
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You plan to deploy a containerized web-app that will be hosted in five Azure Kubernetes Service (AKS) clusters. Each cluster will be hosted in a different Azure region.

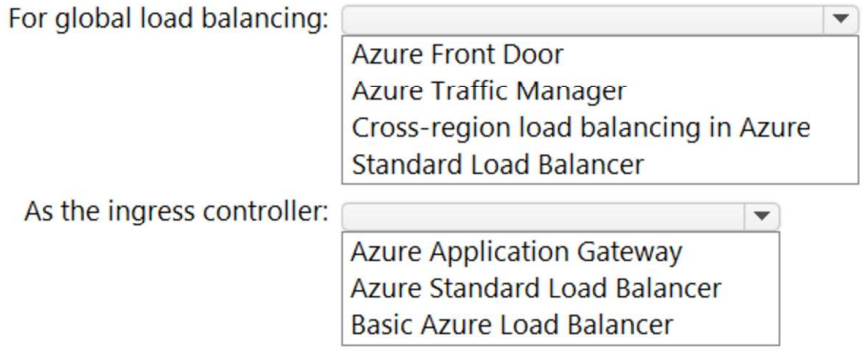
You need to provide access to the app from the internet. The solution must meet the following requirements:

• Incoming HTTPS requests must be routed to the cluster that has the lowest network latency.
• HTTPS traffic to individual pods must be routed via an ingress controller.
• In the event of an AKS cluster outage, failover time must be minimized.

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.

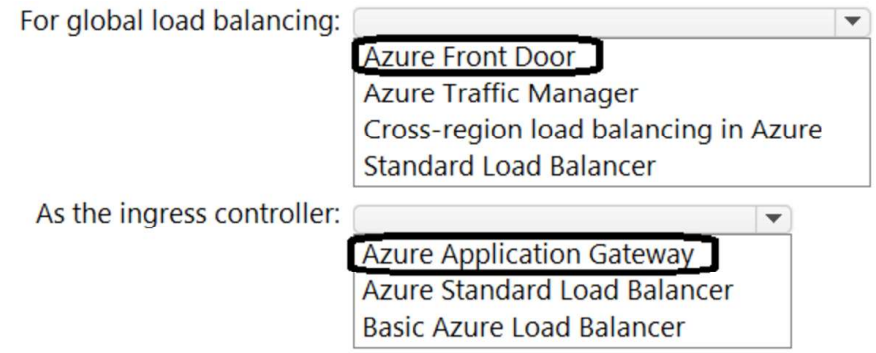
Answer Area



Hide Answer

Suggested Answer:

Answer Area



by Necron at *Oct. 7, 2023, 10:22 a.m.*

topic 3 question 25 discussion

Actual exam question from Microsoft's AZ-305
Question #: 25
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You have an Azure subscription.

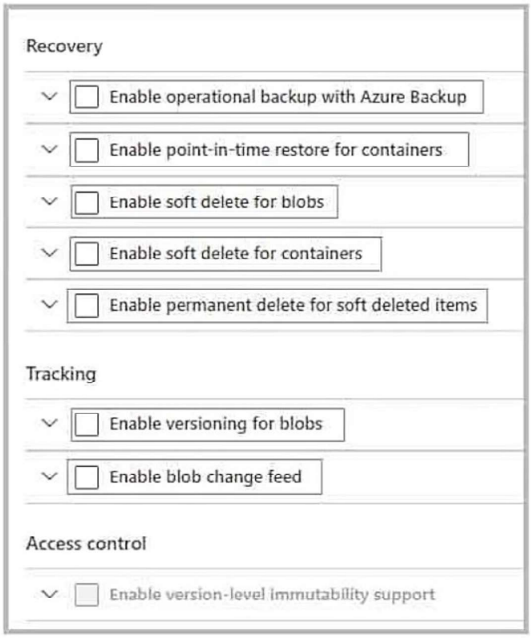
You create a storage account that will store documents.

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

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

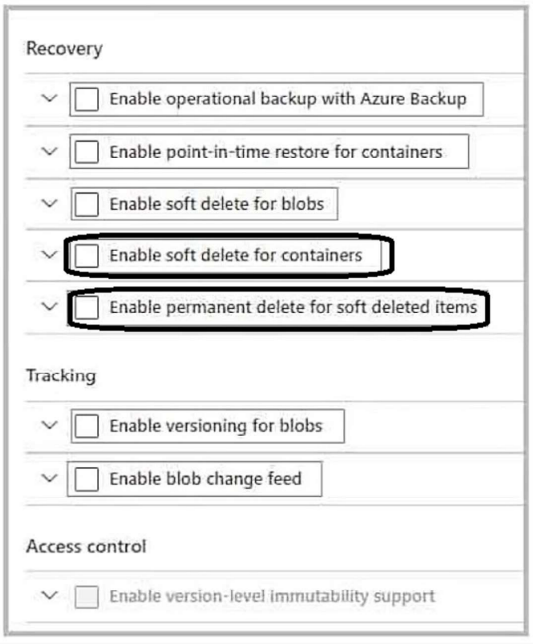
Which two settings should you enable? To answer, select the appropriate settings in the answer area.

NOTE: Each correct selection is worth one point.



Hide Answer

Suggested Answer:



by RJalal at *Oct. 7, 2023, 4:09 p.m.*

topic 3 question 26 discussion

Actual exam question from Microsoft's AZ-305
Question #: 26
Topic #: 3
[All AZ-305 Questions]

HOTSPOT
-

You have an Azure subscription.

You are designing a solution for containerized apps. The solution must meet the following requirements:

- Automatically scale the apps by creating additional instances.
- Minimize administrative effort to maintain nodes and clusters.
- Ensure that containerized apps are highly available across multiple availability zones.
- Provide a central location for the lifecycle management and storage of container images.

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 run the containerized apps:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Kubernetes Service (AKS)

For the lifecycle management and storage of container images:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Service Fabric

Hide Answer

Suggested Answer:

Answer Area

To run the containerized apps:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Kubernetes Service (AKS)

For the lifecycle management and storage of container images:
- Azure Container Apps
- Azure Container Instances
- Azure Container Registry
- Azure Service Fabric

by JimmyYop at *Jan. 5, 2024, 4:33 p.m.*

topic 3 question 27 discussion

Actual exam question from Microsoft's AZ-305

Question #: 27

Topic #: 3

[All AZ-305 Questions]

DRAG DROP

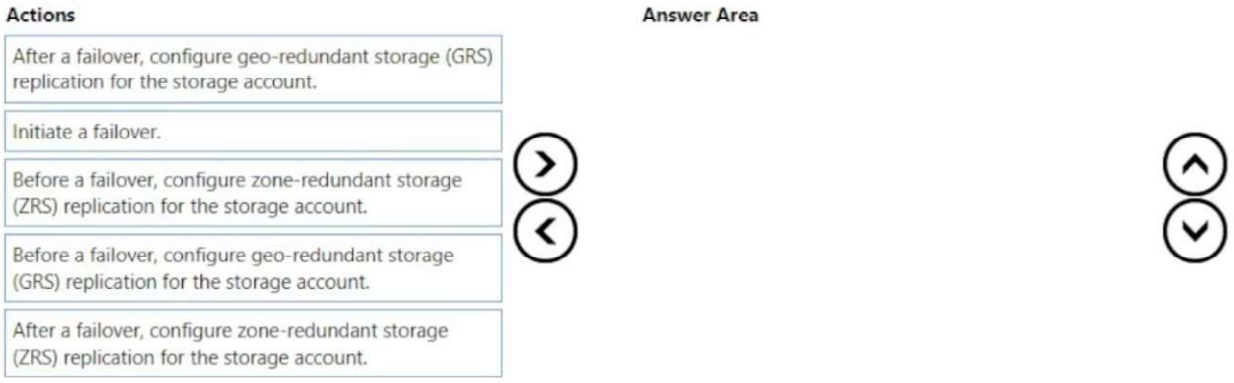
-

You plan to use Azure Storage to store data assets.

You need to identify the procedure to fail over a general-purpose v2 account as part of a disaster recovery plan. The solution must meet the following requirements:

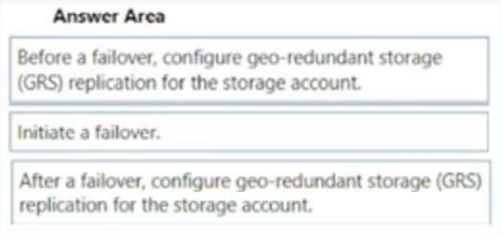
- Apps must be able to access the storage account after a failover.
- You must be able to fail back the storage account to the original location.
- Downtime must be minimized.

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.



Hide Answer

Suggested Answer:



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by kishoredeena at *Jan. 5, 2024, 8:48 a.m.*

topic 4 question 1 discussion

Actual exam question from Microsoft's AZ-305

Question #: 1

Topic #: 4

[All AZ-305 Questions]

You have an Azure subscription that contains a Basic Azure virtual WAN named VirtualWAN1 and the virtual hubs shown in the following table.

Name	Location
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East Azure region.

You need to create an ExpressRoute association to VirtualWAN1.

What should you do first?

A. Upgrade VirtualWAN1 to Standard. **Most Voted**

B. Create a gateway on Hub1.

C. Enable the ExpressRoute premium add-on.

D. Create a hub virtual network in US East.

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (100%)

by Eltooth at *Dec. 13, 2021, 4:48 a.m.*

topic 4 question 2 discussion

Actual exam question from Microsoft's AZ-305

Question #: 2

Topic #: 4

[All AZ-305 Questions]

You have an Azure subscription that contains a storage account.

An application sometimes writes duplicate files to the storage account.

You have a PowerShell script that identifies and deletes duplicate files in the storage account.

Currently, the script is run manually after approval from the operations manager.

You need to recommend a serverless solution that performs the following actions:

- Runs the script once an hour to identify whether duplicate files exist
- Sends an email notification to the operations manager requesting approval to delete the duplicate files
- Processes an email response from the operations manager specifying whether the deletion was approved
- Runs the script if the deletion was approved

What should you include in the recommendation?

A. Azure Logic Apps and Azure Event Grid

B. Azure Logic Apps and Azure Functions **Most Voted**

C. Azure Pipelines and Azure Service Fabric

D. Azure Functions and Azure Batch

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (100%)

---

by Eltooth at *Dec. 16, 2021, 11:31 p.m.*

topic 4 question 3 discussion

Actual exam question from Microsoft's AZ-305

Question #: 3

Topic #: 4

[All AZ-305 Questions]

Your company has the infrastructure shown in the following table.

Location	Resource
Azure	• Azure subscription named Subscription1 • 20 Azure web apps
On-premises datacenter	• Active Directory domain • Server running Azure AD Connect • Linux computer named Server1

The on-premises Active Directory domain syncs with Azure Active Directory (Azure AD).

Server1 runs an application named App1 that uses LDAP queries to verify user identities in the on-premises Active Directory domain.

You plan to migrate Server1 to a virtual machine in Subscription1.

A company security policy states that the virtual machines and services deployed to Subscription1 must be prevented from accessing the on-premises network.

You need to recommend a solution to ensure that App1 continues to function after the migration. The solution must meet the security policy.

What should you include in the recommendation?

A. Azure AD Application Proxy

B. the Active Directory Domain Services role on a virtual machine

C. an Azure VPN gateway

D. Azure AD Domain Services (Azure AD DS) **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (97%) 3

by bkrich at *Dec. 10, 2021, 8:46 p.m.*

topic 4 question 4 discussion

Actual exam question from Microsoft's AZ-305

Question #: 4

Topic #: 4

[All AZ-305 Questions]

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 Consumption plan

B. Azure Functions in the Premium plan **Most Voted**

C. Azure Functions in the Consumption plan

D. Azure Logic Apps in the integrated service environment

Hide Answer

Suggested Answer: *B*

Community vote distribution

B (99%)

---

by default_wizard at *Dec. 13, 2021, 6:58 p.m.*

topic 4 question 5 discussion

Actual exam question from Microsoft's AZ-305

Question #: 5

Topic #: 4

[All AZ-305 Questions]

You have an on-premises network and an Azure subscription. The on-premises network has several branch offices.

A branch office in Toronto contains a virtual machine named VM1 that is configured as a file server. Users access the shared files on VM1 from all the offices.

You need to recommend a solution to ensure that the users can access the shared files as quickly as possible if the Toronto branch office is inaccessible.

What should you include in the recommendation?

A. a Recovery Services vault and Windows Server Backup

B. Azure blob containers and Azure File Sync

C. a Recovery Services vault and Azure Backup

D. an Azure file share and Azure File Sync **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (100%)

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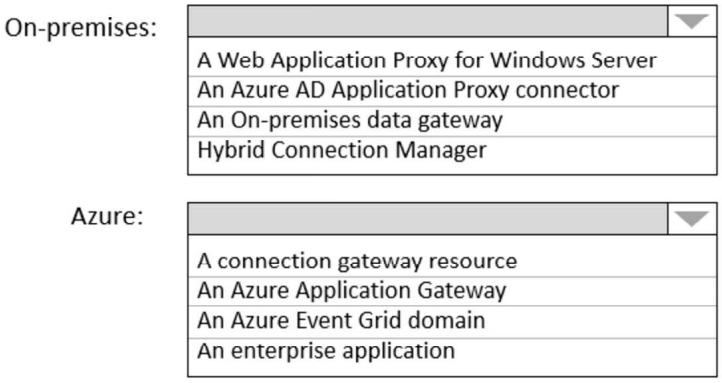
by bkrich at *Dec. 10, 2021, 9 p.m.*

topic 4 question 6 discussion

Actual exam question from Microsoft's AZ-305
Question #: 6
Topic #: 4
[All AZ-305 Questions]

HOTSPOT -
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. Server is prevented from accessing the internet.
An Azure logic app resource 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.
Hot Area:

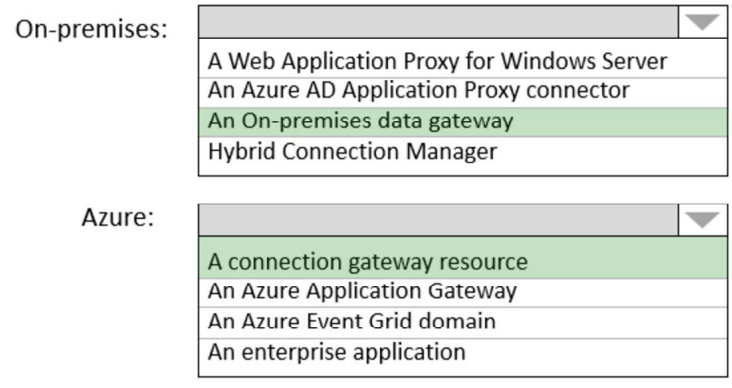
Answer Area



Hide Answer

Suggested Answer:

Answer Area



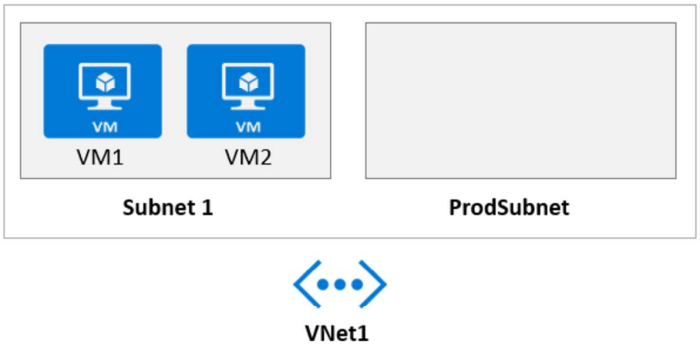
Box 1: An on-premises data gateway
For logic apps in global, multi-tenant Azure that connect to on-premises SQL Server, you need to have the on-premises data gateway installed on a local computer and a data gateway resource that's already created in Azure.
Box 2: A connection gateway resource
Reference:
https://docs.microsoft.com/en-us/azure/connectors/connectors-create-api-sqlazure

by SilverFox22 at *Jan. 1, 2022, 9:40 p.m.*

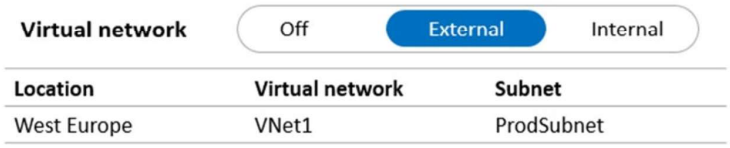
topic 4 question 7 discussion

Actual exam question from Microsoft's AZ-305
Question #: 7
Topic #: 4
[All AZ-305 Questions]

HOTSPOT -
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.



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.



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

Answer Area

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

Hide Answer

Suggested Answer:

Answer Area

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

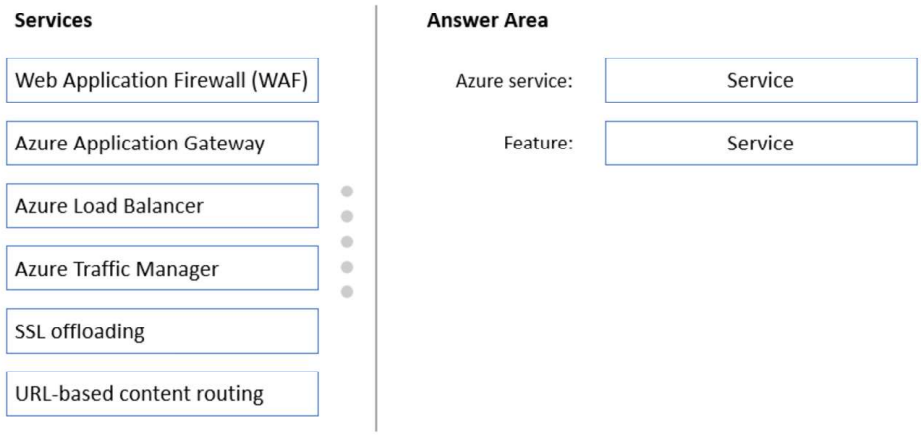
Reference:
https://docs.microsoft.com/en-us/azure/api-management/api-management-using-with-vnet

by SilverFox22 at *Jan. 1, 2022, 9:49 p.m.*

topic 4 question 8 discussion

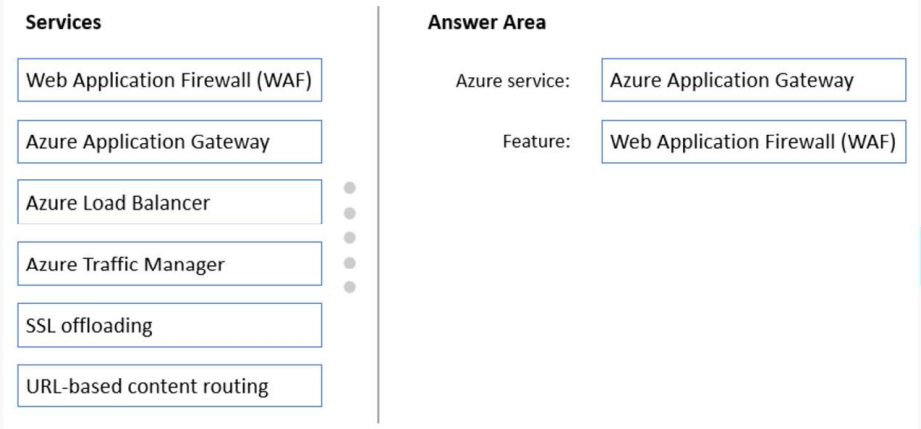
Actual exam question from Microsoft's AZ-305
Question #: 8
Topic #: 4
[All AZ-305 Questions]

DRAG DROP -
Your company has an existing web app that runs on Azure virtual machines.
You need to ensure that the app is protected from SQL injection attempts and uses a layer-7 load balancer. The solution must minimize disruptions to the code of the app.
What should you recommend? 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.
Select and Place:



Hide Answer

Suggested Answer:



Box 1: Azure Application Gateway
The Azure Application Gateway Web Application Firewall (WAF) provides protection for web applications. These protections are provided by the Open Web Application Security Project (OWASP) Core Rule Set (CRS).
Box 2: Web Application Firewall (WAF)
Reference:
https://docs.microsoft.com/en-us/azure/web-application-firewall/ag/application-gateway-customize-waf-rules-portal

by Eltooth at *Dec. 15, 2021, 8:16 a.m.*

topic 4 question 9 discussion

Actual exam question from Microsoft's AZ-305

Question #: 9

Topic #: 4

[All AZ-305 Questions]

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 App Gateway with Azure Web Application Firewall (WAF)

B. Azure API Management Standard tier with a service endpoint

C. Azure Front Door with Azure Web Application Firewall (WAF)

D. Azure API Management Premium tier with virtual network connection **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (88%) 13%

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by default_wizard at *Dec. 13, 2021, 7:22 p.m.*

topic 4 question 10 discussion

Actual exam question from Microsoft's AZ-305

Question #: 10

Topic #: 4

[All AZ-305 Questions]

You have a .NET web service named Service1 that performs the following tasks:

- Reads and writes temporary files to the local file system.
- Writes to the Application event log.

You need to recommend a solution to host Service1 in Azure. The solution must meet the following requirements:

- Minimize maintenance overhead.
- Minimize costs.

What should you include in the recommendation?

A. an Azure App Service web app **Most Voted**

B. an Azure virtual machine scale set

C. an App Service Environment (ASE)

D. an Azure Functions app

Hide Answer

Suggested Answer: *A*

Community vote distribution

A (90%) 10%

by bootless at *Sept. 1, 2022, 7:04 p.m.*

topic 4 question 11 discussion

Actual exam question from Microsoft's AZ-305

Question #: 11

Topic #: 4

[All AZ-305 Questions]

You have the Azure resources shown in the following table.

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

You need to deploy a new Azure Firewall policy that will contain mandatory rules for all Azure Firewall deployments. The new policy will be configured as a parent policy for the existing policies.
What is the minimum number of additional Azure Firewall policies you should create?

A. 0

B. 1

C. 2

D. 3 **Most Voted**

Hide Answer

Suggested Answer: *D*

Community vote distribution

D (81%) Other

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by Eltooth at *Dec. 15, 2021, 8:36 a.m.*