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Minimizes storage costs

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.

To minimize storage costs:

<input type="checkbox"/>	Store the infrastructure logs and the application logs in the Archive access tier.
<input type="checkbox"/>	Store the infrastructure logs and the application logs in the Cool access tier.
<input type="checkbox"/>	Store the infrastructure logs in the Cool access tier and the application logs in the Archive access tier.

To delete the logs automatically:

<input type="checkbox"/>	Azure Data Factory pipelines
<input type="checkbox"/>	Azure Blob storage lifecycle management rules
<input type="checkbox"/>	Immutable Azure Blob storage time-based retention policies

Correct Answer:

To minimize storage costs:

<input checked="" type="checkbox"/>	Store the infrastructure logs and the application logs in the Archive access tier.
<input checked="" type="checkbox"/>	Store the infrastructure logs and the application logs in the Cool access tier.
<input type="checkbox"/>	Store the infrastructure logs in the Cool access tier and the application logs in the Archive access tier.

To delete the logs automatically:

<input checked="" type="checkbox"/>	Azure Data Factory pipelines
<input checked="" type="checkbox"/>	Azure Blob storage lifecycle management rules
<input type="checkbox"/>	Immutable Azure Blob storage time-based retention policies

QUESTION 58

You have an Azure SQL managed instance named MI1.

You need to implement automatic tuning for the databases of MI1.

What should you do?

- A. Use the REST API to call the patch operation and modify the AutomaticTuningServerMode property.
- B. Use Transact-SQL to enable the force_last_good_plan option.
- C. From the Azure portal, configure automatic tuning.
- D. None of the above

Correct Answer: B

QUESTION 59

You have SQL Server on an Azure virtual machine that contains a database named DB1.

You have an application that queries DB1 to generate a sales report.

You need to see the parameter values from the last time the query was executed.

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

NOTE: Each correct selection is worth one point.

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- A. Enable Last_Query_Plan_Stats in the master database
- B. Enable Lightweight_Query_Profiling in DB1
- C. Enable Last_Query_Plan_Stats in DB1
- D. Enable Lightweight_Query_Profiling in the master database
- E. Enable PARAMETER_SNIFFING in DB1

Correct Answer: AC

Explanation:

Last_Query_Plan_Stats allows you to enable or disable collection of the last query plan statistics (equivalent to an actual execution plan) in sys.dm_exec_query_plan_stats.

Lightweight profiling can be disabled at the database level using the LIGHTWEIGHT_QUERY_PROFILING database scoped configuration: ALTER DATABASE SCOPED CONFIGURATION SET LIGHTWEIGHT_QUERY_PROFILING = OFF;.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/performance/query-profiling-infrastructure>

QUESTION 60

HOTSPOT

You have an on-premises Microsoft SQL Server 2019 instance that hosts a database named DB1.

You plan to perform an online migration of DB1 to an Azure SQL managed instance by using the Azure Database Migration Service.

You need to create a backup of DB1 that is accessible to the Azure Database Migration Service.

What should you run for the backup and where should you store the backup? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Run:

A full backup and a log backup appended to the same file by using the WITH CHECKSUM option
A full backup and a log backup to separate files by using the WITH CHECKSUM option
A full backup and a log backup to separate files by using the WITH FILE_SNAPSHOT option

Store the backup in:

A Recovery Services vault
An Azure Blob storage account
An SMB file share

Correct Answer:

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Run:

A full backup and a log backup appended to the same file by using the WITH CHECKSUM option
A full backup and a log backup to separate files by using the WITH CHECKSUM option
A full backup and a log backup to separate files by using the WITH FILE_SNAPSHOT option

Store the backup in:

A Recovery Services vault
An Azure Blob storage account
An SMB file share

QUESTION 61

You have SQL Server on an Azure virtual machine.

You need to add a 4-TB volume that meets the following requirements:

- Maximizes IOPs
- Uses premium solid state drives (SSDs)

What should you do?

- A. Attach two mirrored 4-TB SSDs.
- B. Attach a stripe set that contains four 1-TB SSDs.
- C. Attach a RAID-5 array that contains five 1-TB SSDs.
- D. Attach a single 4-TB SSD.

Correct Answer: B

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/virtual-machines/windows/storage-configuration?tabs=windows2016>

QUESTION 62

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

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

You have an Azure SQL database named Sales.

You need to implement disaster recovery for Sales to meet the following requirements:

- During normal operations, provide at least two readable copies of Sales.
- Ensure that Sales remains available if a datacenter fails.

Solution: You deploy an Azure SQL database that uses the General Purpose service tier and failover groups.

Does this meet the goal?

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- A. Yes
- B. No

Correct Answer: B

Explanation:

Instead deploy an Azure SQL database that uses the Business Critical service tier and Availability Zones.

Note: Premium and Business Critical service tiers leverage the Premium availability model, which integrates compute resources (sqlservr.exe process) and storage (locally attached SSD) on a single node. High availability is achieved by replicating both compute and storage to additional nodes creating a three to four-node cluster.

By default, the cluster of nodes for the premium availability model is created in the same datacenter. With the introduction of Azure Availability Zones, SQL Database can place different replicas of the Business Critical database to different availability zones in the same region. To eliminate a single point of failure, the control ring is also duplicated across multiple zones as three gateway rings (GW).

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla>

QUESTION 63

You are planning disaster recovery for the failover group of an Azure SQL Database managed instance.

Your company's SLA requires that the database in the failover group become available as quickly as possible if a major outage occurs.

You set the Read/Write failover policy to Automatic.

What are two results of the configuration? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. In the event of a datacenter or Azure regional outage, the databases will fail over automatically.
- B. In the event of an outage, the databases in the primary instance will fail over immediately.
- C. In the event of an outage, you can selectively fail over individual databases.
- D. In the event of an outage, you can set a different grace period to fail over each database.
- E. In the event of an outage, the minimum delay for the databases to fail over in the primary instance will be one hour.

Correct Answer: AE

Explanation:

A: Auto-failover groups allow you to manage replication and failover of a group of databases on a server or all databases in a managed instance to another region.

E: Because verification of the scale of the outage and how quickly it can be mitigated involves human actions by the operations team, the grace period cannot be set below one hour. This limitation applies to all databases in the failover group regardless of their data synchronization state.

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Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview>

QUESTION 64

DRAG DROP

You need to apply 20 built-in Azure Policy definitions to all new and existing Azure SQL Database deployments in an Azure subscription. The solution must minimize administrative effort.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Duplicate Azure Policy definitions	
Run Azure Policy remediation tasks	
Create an Azure Blueprints assignment	
Create an Azure Policy initiative	
Create an Azure Policy initiative assignment	

Correct Answer:

Actions	Answer Area
Duplicate Azure Policy definitions	
Run Azure Policy remediation tasks	
Create an Azure Blueprints assignment	
Create an Azure Policy initiative	
Create an Azure Policy initiative assignment	

Create an Azure Policy initiative

Create an Azure Policy initiative assignment

Run Azure Policy remediation tasks

QUESTION 65

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

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

You have an Azure Synapse Analytics dedicated SQL pool that contains a table named Table1.

You have files that are ingested and loaded into an Azure Data Lake Storage Gen2 container named container1.

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