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Exam : DP-300

Title : Administering Relational Databases on Microsoft Azure

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Preparation Process

Microsoft offers the candidates a wealth of resources to prepare for the DP-300 exam. With these study materials, the test takers will gain the competence and knowledge required to ace the exam and get certified.

- **Official Practice Test**

This resource is designed to help the learners measure their current knowledge of the topics before attempting the exam. The official practice test covers different objectives of the exam and the candidates can work through the questions to gain mastery of the test-taking skills and understand the pattern of the actual exam.

- **Instructor-Led Training**

The recommended instructor-led training course for this certification exam is Administering Relational Databases on Microsoft Azure. This course offers the students the skills and knowledge required to administer SQL Server database infrastructures for hybrid, on-premises, and Cloud relational databases. It is available as in-person and online training.

- **Online Learning Paths**

The applicants can also use the self-paced resources available on the Microsoft Learn Platform. For the Microsoft DP-300 Exam, they can explore seven free learning paths covering different modules. Their details can be found on the official webpage.

>> Valid DP-300 Exam Tips <<

DP-300 Exam Guide and DP-300 Exam Prep - DP-300 Exam Torrent

If you study on our test engine, your preparation time of the DP-300 guide braindumps will be greatly shortened. Firstly, the important knowledge has been picked out by our professional experts. You just need to spend about twenty to thirty hours before taking the Real DP-300 Exam. In addition, the relevant knowledge will be easy to memorize. Learning our DP-300 study quiz can also be a pleasant process. The saved time can be used to go sightseeing or have a rest.

Microsoft DP-300 Certification Exam is designed for IT professionals who want to prove their skills in administering relational databases on Microsoft Azure. Administering Relational Databases on Microsoft Azure certification exam is one of the most sought-after certifications in the industry, as it validates the skills and expertise of professionals in administering and managing databases on Microsoft Azure.

Microsoft Administering Relational Databases on Microsoft Azure Sample Questions (Q249-Q254):

NEW QUESTION # 249

You have an Azure subscription that contains an instance of SQL Server on Azure Virtual Machines. The virtual machine hosts a database named DB1. You need to monitor DB1 by using Extended Events. The solution must meet the following requirements:

- * Capture raw event data and store the data in Azure Storage.
- * Minimize the performance impact of capturing extended events.

How should you complete the Transact-SQL statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
CREATE EVENT SESSION session1 ON DATABASE
ADD EVENT sqlserver.sql_statement_starting
(
ACTION (sqlserver.sql_text)
WHERE statement LIKE 'UPDATE gmTabEmployee%'
)
ADD TARGET
package0. event_file
event_file
event_stream
ring_buffer
)
SET filename = 'https://gmstorageaccountxevent.blob.core.windows.net/gmcontainerxevent/anyfilename.xlsx'
)
WITH
(MAX_MEMORY = 10 MB,
EVENT_RETENTION_MODE= ALLOW_MULTIPLE_EVENT_LOSS
MAX_DISPATCH_LATENCY = 3 SEC
ALLOW_SINGLE_EVENT_LOSS
NO_EVENT_LOSS)
```

Answer:

Explanation:

Answer Area

```
CREATE EVENT SESSION session1 ON DATABASE
ADD EVENT sqlserver.sql_statement_starting
(
ACTION (sqlserver.sql_text)
WHERE statement LIKE 'UPDATE gmTabEmployee%'
)
ADD TARGET
package0. event_file
event_file
event_stream
ring_buffer
)
SET filename = 'https://gmstorageaccountxevent.blob.core.windows.net/gmcontainerxevent/anyfilename.xlsx'
)
WITH
(MAX_MEMORY = 10 MB,
EVENT_RETENTION_MODE= ALLOW_MULTIPLE_EVENT_LOSS
MAX_DISPATCH_LATENCY = 3 SEC
ALLOW_SINGLE_EVENT_LOSS
NO_EVENT_LOSS)
```

Explanation:

D:\mudassar\Untitled.jpg

Answer Area

```
CREATE EVENT SESSION session1 ON DATABASE
ADD EVENT sqlserver.sql_statement_starting
(
ACTION (sqlserver.sql_text)
WHERE statement LIKE 'UPDATE gmTabEmployee%'
)
ADD TARGET
package0. event_file
(
SET filename = 'https://gmstorageaccountxevent.blob.core.windows.net/gmcontainerxevent/anyfilename1242b.xel'
)
WITH
MAX_MEMORY = 10 MB,
EVENT_RETENTION_MODE = ALLOW_MULTIPLE_EVENT_LOSS
MAX_DISPATCH_LATENCY = 3 SECONDS
```



NEW QUESTION # 250

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 two Azure SQL Database servers named Server1 and Server2. Each server contains an Azure SQL database named Database1.

You need to restore Database1 from Server1 to Server2. The solution must replace the existing Database1 on Server2.

Solution: You run the Remove-AzSqlDatabase PowerShell cmdlet for Database1 on Server2. You run the Restore-AzSqlDatabase PowerShell cmdlet for Database1 on Server2.

Does this meet the goal?

- A. No
- B. Yes

Answer: A

Explanation:

Instead restore Database1 from Server1 to the Server2 by using the RESTORE Transact-SQL command and the REPLACE option.

Note: REPLACE should be used rarely and only after careful consideration. Restore normally prevents accidentally overwriting a database with a different database. If the database specified in a RESTORE statement already exists on the current server and the specified database family GUID differs from the database family GUID recorded in the backup set, the database is not restored. This is an important safeguard.

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/statements/restore-statements-transact-sql>

NEW QUESTION # 251

You have an Azure SQL database.

You have a query and the associated execution plan as shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

The performance issue stems from the **[answer choice]** operator.

Select
Index Seek
Key Lookup
Nested Loops

heap
clustered index
nonclustered index

The performance issue can be resolved by adding include columns to the **[answer choice]**.

Answer:

Explanation:

The performance issue stems from the **[answer choice]** operator.

Select
Index Seek
Key Lookup
Nested Loops

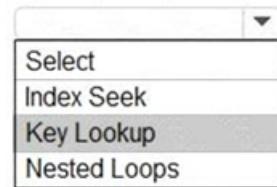
heap
clustered index
nonclustered index

The performance issue can be resolved by adding include columns to the **[answer choice]**.

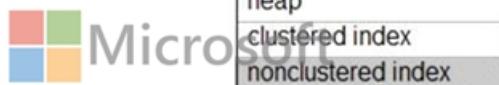
Explanation:

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

The performance issue stems from the **[answer choice]** operator.



The performance issue can be resolved by adding include columns to the **[answer choice]**.



Box 1: Key Lookup

The Key Lookup cost is 99% so that is the performance bottleneck.

Box 2: nonclustered index

The key lookup on the clustered index is used because the nonclustered index does not include the required columns to resolve the query. If you add the required columns to the nonclustered index, the key lookup will not be required.

NEW QUESTION # 252

You have an on-premises Microsoft SQL Server 2016 instance that hosts a database named db1. You have an Azure subscription that contains an Azure SQL managed instance named Mil.

You plan to perform an online migration of db1 to MM by using Azure Database Migration Service.

You need to create the backups for the migration. The solution must minimize the number of backup files created.

Which type of backups should you create, and how should you store the backups? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Backup type:

Full only

Full only

Full and differential

Full and transaction log

Transaction log only

To store the backups:

Append each backup to a separate file.

Append all the backups to a single file.

Append each backup to a separate file.

Write each backup to a separate file.

Answer:

Explanation:

Answer Area

Backup type:

Full only

Full only

Full and differential

Full and transaction log

Transaction log only

To store the backups:

Append each backup to a separate file.

Append all the backups to a single file.

Append each backup to a separate file.

Write each backup to a separate file.

Explanation:

Answer Area

Backup type: Full only

To store the backups: Append each backup to a separate file.

NEW QUESTION # 253

You have a new Azure subscription.

You create an Azure SQL Database instance named DB1 on an Azure SQL Database server named Server1.

You need to ensure that users can connect to DB1 in the event of an Azure regional outage. In the event of an outage, applications that connect to DB1 must be able to connect without having to update the connection strings.

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

NOTE: Each correct selection is worth one point.

- A. From the properties of DB1, configure geo-replication.
- B. Create a new Azure SQL Database instance named DB2.
- C. Create a new Azure SQL Database server named Server2.
- D. From the properties of Server1, configure retention for DB1.
- E. From the properties of Server1, add a failover group.

Answer: C,E

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/auto-failover-group-overview?tabs=azure-powershell#best-practices-for-sql-database>

<https://docs.microsoft.com/en-us/azure/azure-sql/database/failover-group-add-single-database-tutorial>?

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

NEW QUESTION # 254

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