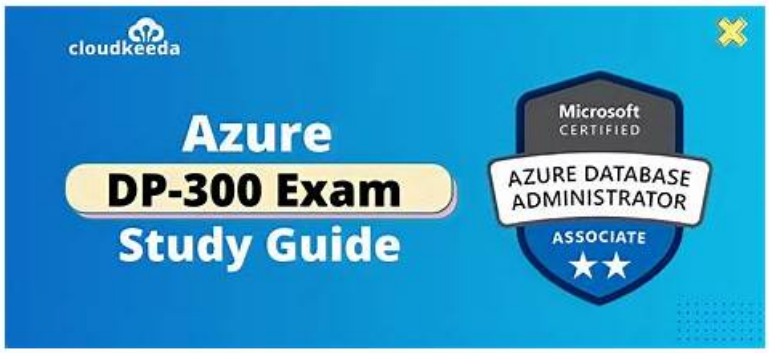
DP-300 Test Assessment, Exam DP-300 Tutorial



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The Microsoft DP-300 exam covers a wide range of topics related to administering relational databases on the Azure platform, including designing and implementing databases, deploying and managing databases on Azure, securing and monitoring databases, implementing backup and recovery strategies, and optimizing database performance. Administering Relational Databases on Microsoft Azure certification exam is designed to test the ability of candidates to perform these tasks efficiently and effectively, making it a valuable credential for IT professionals who want to demonstrate their expertise in this area.

Microsoft DP-300 Exam is designed for database administrators who want to learn how to administer and manage relational databases on Microsoft Azure. DP-300 exam is targeted towards individuals who have experience with SQL Server, Azure SQL Database, and SQL Server on Azure Virtual Machines. DP-300 exam measures the ability of candidates to perform various database administration tasks, including data security, backup and recovery, performance tuning, and monitoring.

>> DP-300 Test Assessment <<

2026 Microsoft DP-300: Marvelous Administering Relational Databases on Microsoft Azure Test Assessment

Although our DP-300 exam braindumps have been recognised as a famous and popular brand in this field, but we still can be better by our efforts. In the future, our DP-300 study materials will become the top selling products. Although we come across some technical questions of our DP-300 learning guide during development process, we still never give up to developing our DP-300 practice engine to be the best in every detail.

Microsoft DP-300 (Administering Relational Databases on Microsoft Azure) Certification Exam is designed for individuals who are responsible for managing and administering relational databases on Microsoft Azure. Administering Relational Databases on Microsoft Azure certification validates the skills and knowledge required to work with Azure SQL databases, including provisioning, securing, monitoring, and optimizing performance.

Microsoft Administering Relational Databases on Microsoft Azure Sample Questions (Q442-Q447):

NEW QUESTION # 442
You have an Azure SQL database named DB1.
You need to ensure that DB1 will support automatic failover without data loss if a datacenter fails. The solution must minimize costs.
Which deployment option and pricing tier should you configure?

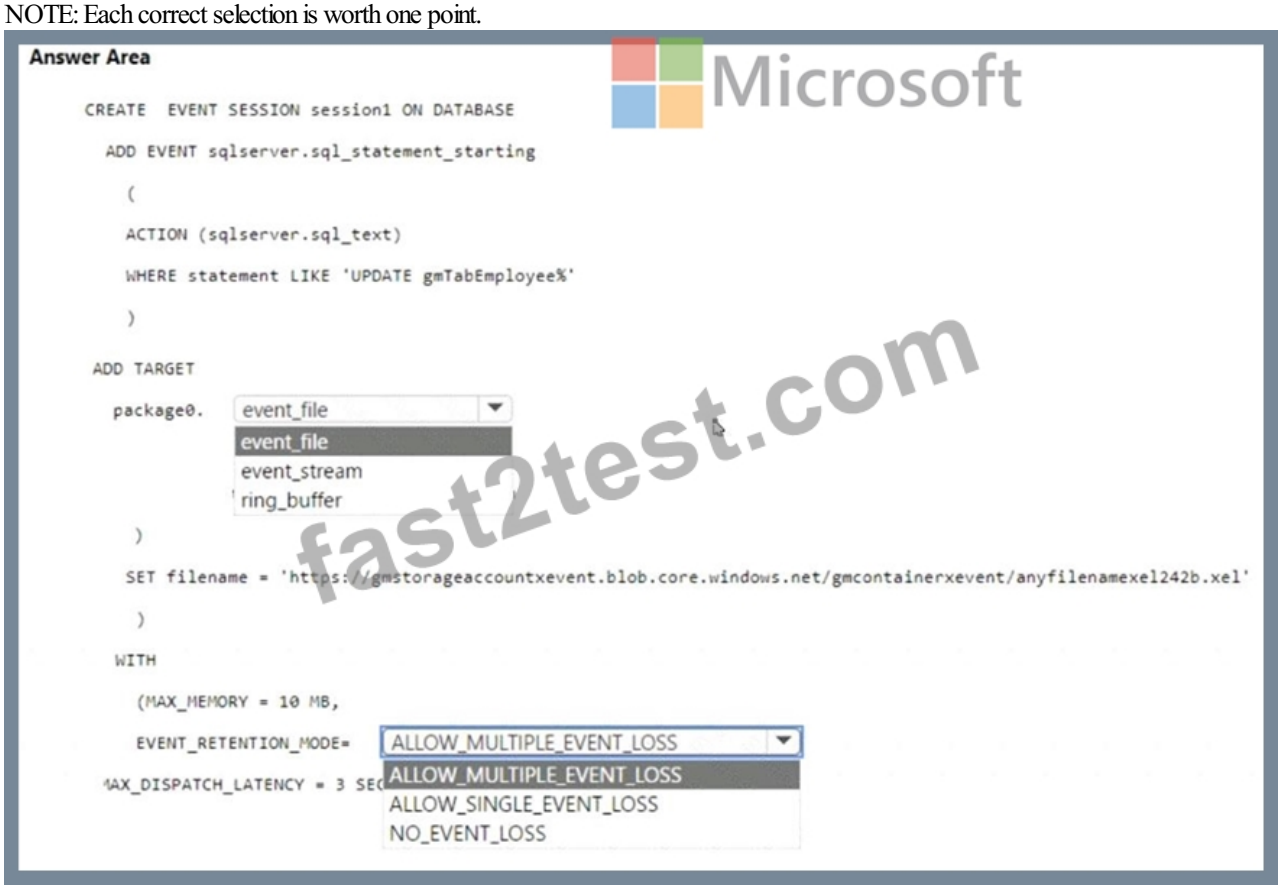
- A. Azure SQL Database Premium
- B. Azure SQL Database managed instance General Purpose
- C. Azure SQL Database Basic

- D. Azure SQL Database Hyperscale

Answer: A

Explanation:
Explanation
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). The routing to a specific gateway ring is controlled by Azure Traffic Manager (ATM). Because the zone redundant configuration in the Premium or Business Critical service tiers does not create additional database redundancy, you can enable it at no extra cost. By selecting a zone redundant configuration, you can make your Premium or Business Critical databases resilient to a much larger set of failures, including catastrophic datacenter outages, without any changes to the application logic. You can also convert any existing Premium or Business Critical databases or pools to the zone redundant configuration.
Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla

NEW QUESTION # 443
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:

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/anyfilenamexel242b.xel'
    )
   WITH
    (MAX_MEMORY = 10 MB,
    EVENT_RETENTION_MODE=  ALLOW_MULTIPLE_EVENT_LOSS
MAX_DISPATCH_LATENCY = 3 SE  ALLOW_MULTIPLE_EVENT_LOSS
                             ALLOW_SINGLE_EVENT_LOSS
                             NO_EVENT_LOSS
```

Explanation
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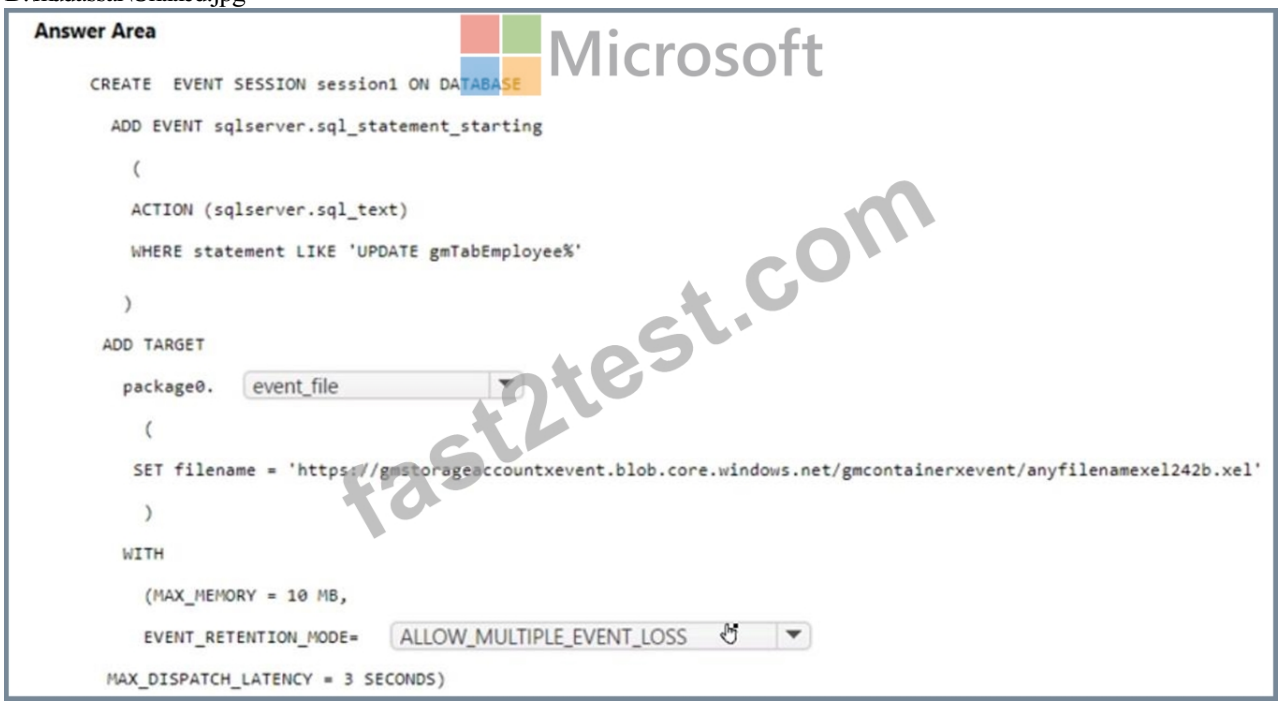
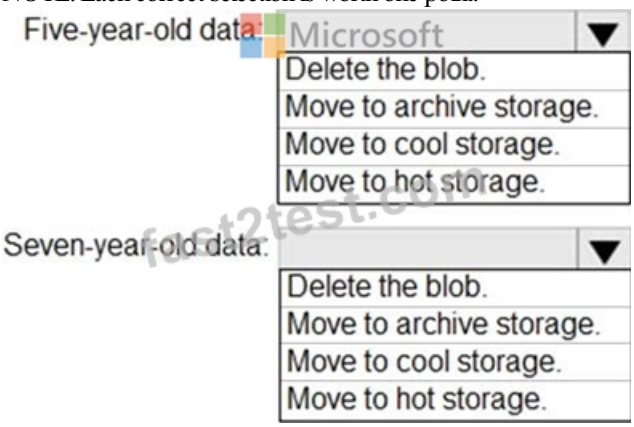


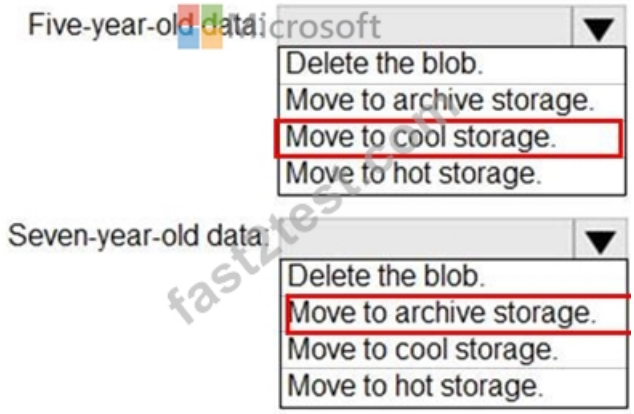
NEW QUESTION # 444
You have an Azure Data Lake Storage Gen2 container.
Data is ingested into the container, and then transformed by a data integration application. The data is NOT modified after that.
Users can read files in the container but cannot modify the files.
You need to design a data archiving solution that meets the following requirements:
New data is accessed frequently and must be available as quickly as possible.
Data that is older than five years is accessed infrequently but must be available within one second when requested.
Data that us older than seven years is NOT accessed. After seven years, the data must be persisted at the lowest cost possible.

Costs must be minimized while maintaining the required availability.
How should you manage the data? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:

Explanation:



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

NEW QUESTION # 445
Hotspot Question
You have an Azure SQL database.
You run the following PowerShell script.

```
$serverName = "SERVER1"
$resourceGroup = "RG1"
$dbName = "DB1"

Connect-AzAccount

$server = Get-AzSqlServer -ServerName $serverName -ResourceGroupName
$resourceGroup

Set-AzSqlDatabaseBackupShortTermRetentionPolicy -ResourceGroupName $resourceGroup
-ServerName $server `
    -DatabaseName $dbName -RetentionDays 21

Set-AzSqlDatabaseBackupLongTermRetentionPolicy -ServerName $serverName -
DatabaseName $dbName `
    -ResourceGroupName $resourceGroup -WeeklyRetention P52W -YearlyRetention P5Y
-WeekOfYear 52
```

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

Statements	Yes	No
DB1 can be restored to a specific point in time 30 days ago.	○	○
DB1 can be restored from a weekly backup performed six months ago.	○	○
DB1 can be restored from a yearly backup performed six years ago.	○	○

Answer:

Explanation:

Statements	Yes	No
DB1 can be restored to a specific point in time 30 days ago.	○	○
DB1 can be restored from a weekly backup performed six months ago.	○	○
DB1 can be restored from a yearly backup performed six years ago.	○	○

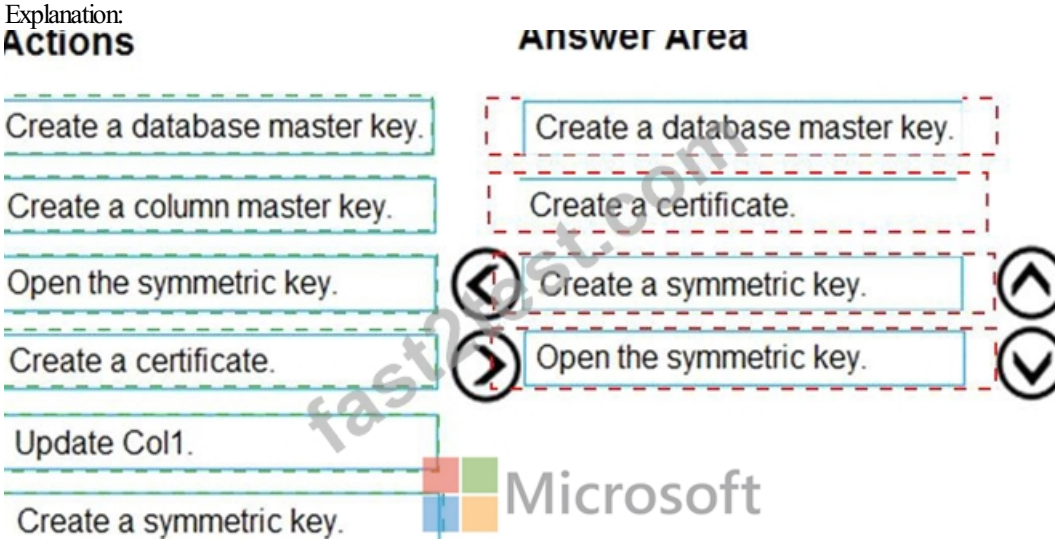
Explanation:
Box 1: No
Short term retention is set to 21 days.
Note: Short term retention policy is used to address point-in-time restores whereas a long-term retention policy is used to address restores from long-term or older backups for various audit and compliance purposes. We can also save these backup files as part of a short-term retention policy for up to 7-35 days.
Box 2: Yes
Weekly retention is set to P52W, which stands for a periodic frequency of 52 weeks (364 days).
Note: -WeeklyRetention
The Weekly Retention. If just a number is passed instead of an ISO 8601 string, days will be assumed as the units. There is a minimum of 7 days and a maximum of 10 years.
Box 3: No
Yearly retention is set to PSY.
Note: -YearlyRetention
The Yearly Retention. If just a number is passed instead of an ISO 8601 string, days will be assumed as the units. There is a

minimum of 7 days and a maximum of 10 years.
Reference:
https://strata.opengamma.io/apidocs/com/opengamma/strata/basics/schedule/Frequency.html
https://docs.microsoft.com/en-us/powershell/module/az.sql/set-azsqldatabasebackupshorttermretentionpolicy?view=azps-7.2.0
https://docs.microsoft.com/en-us/powershell/module/az.sql/set-azsqldatabasebackuplongtermretentionpolicy?view=azps-7.2.0

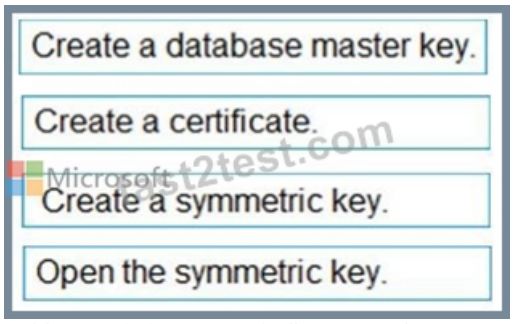
NEW QUESTION # 446
You have an Azure SQL database named DB1. DB1 contains a table that has a column named Col1.
You need to encrypt the data in Col1.
Which four actions should you perform for DB1 in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Answer:

Explanation:



Explanation



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Reference:
https://www.sqlshack.com/an-overview-of-the-column-level-sql-server-encryption/

NEW QUESTION # 447
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