Microsoft

Exam Questions 70-473
Designing and Implementing Cloud Data Platform Solutions
NEW QUESTION 1
You need to implement monitoring for the ListTest database. Which three statements should you use in sequence? To answer, move the appropriate statements from the list of statements to the answer area and arrange them in the correct order.

Answer:

Explanation:
NEW QUESTION 2
You need to identify which service tier to use for the research department databases. The solution must meet the business goals and the department requirements.

What should you identify?

A. an Azure virtual machine on the Basic service tier
B. an Azure SQL database on the Basic service tier
C. an Azure virtual machine on the Standard service tier
D. an Azure SQL database on the Standard service tier
E. an Azure SQL database on the Premium service tier

Answer: D

NEW QUESTION 3
You need to implement a disaster recovery solution that meets the technical requirements. The solution must NOT require customers to modify their connection strings.

Which disaster recovery solution should you implement?

A. Transactional Replication to Azure
B. AlwaysOn Availability groups
C. Transaction Log Shipping
D. failover cluster instances

Answer: B

Explanation:
Scenario: Technical requirements
Relecloud identifies the following technical requirements:
If ServerDB0 and ServerDB2 fail, AzDB01 must be able to respond to customer requests for data.

The Always On availability groups feature is a high-availability and disaster-recovery solution that provides an enterprise-level alternative to database mirroring. Introduced in SQL Server 2012 (11.x), Always On availability groups maximizes the availability of a set of user databases for an enterprise. An availability group supports a failover environment for a discrete set of user databases, known as availability databases, that fail over together. An availability group supports a set of read-write primary databases and one to eight sets of corresponding secondary databases.

Reference:
https://docs.microsoft.com/en-us/sql/database-engine/availability-groups/windows/always-on-availability-group

NEW QUESTION 4
You need to recommend a solution to meet the network requirement. What should you recommend?

A. Implement forced tunneling.
B. Create a network security group (NSG) rule.
C. Create an Azure virtual network gateway.
D. Implement split tunneling.

Answer: C

Explanation: Application Gateway operates as an application delivery controller and offers SSL termination, cookie-based session affinity, round-robin load distribution, content-based routing, ability to host multiple websites and security enhancements.

Scenario: Networking requirements
All Internet traffic initiated from the servers in Azure must be routed through the local network firewalls and content filters.

NEW QUESTION 5
You need to provision the database for DB2 in Azure.
How should you provision the database? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer:

Explanation: Box 1: Azure Database for MySQL
Azure Database for MySQL provides fully managed, enterprise-ready community MySQL database as a service.

Box 2:
Incorrect Answers:
Not Azure Database for MySQL

You can create an Azure Database for MySQL server in one of three different pricing tiers: Basic, General Purpose, and Memory Optimized.

Scenario: App2 is developed by using third-party open source code that is updated frequently. The database for App2 is named DB2. App2 only supports MySQL.

None of the developers at Tailspin Toys are skilled in using MySQL. DB2 is supported by a team of external developers.

DB2 is 20 GB and is expected to reach 50 GB during the next five years. DB2 has a storage performance requirement of 200 IOPs.

DB2 must be highly available.

Reference:
https://docs.microsoft.com/en-us/azure/mysql/concepts-pricing-tiers
https://azure.microsoft.com/en-us/services/mysql/

NEW QUESTION 6
Your company has a Microsoft Azure subscription that contains an AlwaysOn availability group. The availability group contains a single database named DB1.
You recently forced a manual failover of the availability group.
You discover that DB1 on a secondary replica has a status of Not Synchronizing. You need to ensure that DB1 synchronizes correctly.
What should you do?

A. Issue an ALTER DATABASE DB1 HARD RESUME on the primary replica.
B. Restart the instance that hosts the secondary replica.
C. Restart the instance that hosts the primary replica.
D. Issue an ALTER DATABASE DB1 HARD RESUME on the secondary replica.

Answer: B

Explanation: References:

NEW QUESTION 7
Your environment contains several Microsoft Azure SQL databases.
You need to execute Transact-SQL-based maintenance steps automatically against the databases. The execution must occur weekly.
What should you use?

A. a SQL Server Agent job
B. an Azure Scheduler job
C. an Azure Data Factory pipeline
D. an Elastic Database job

Answer: B

NEW QUESTION 8
You have Microsoft SQL Server installed on a Microsoft Azure virtual machine named VM1. VM1 is provisioned by using the classic deployment model and is on the Standard G5 service tier.
The virtual machine is used for testing purposes only.
You need to minimize the costs associated with VM1 when the virtual machine is unused. Which command should you use?

A. Update-AzureVM
B. Stop-AzureVM
C. Suspend-VM
D. Stop-VM

Answer: B

Explanation: References:
NEW QUESTION 9
You have Microsoft SQL Server installed on a Microsoft Azure virtual machine. The virtual machine is on the Standard D3 service tier. All of the data files for the databases on the virtual machine are located on a single volume that is mounted as drive E. The virtual machine experiences performance issues. You view the wait statistics and discover a high number of GEIOLATCH_SH waits associated to the tempdb data files. You need to resolve the performance issues. What should you do?

A. Move the tempdb data files to drive D.
B. Move the tempdb data files to drive C.
C. Change the service tier of the virtual machine to Standard D12.
D. Change the service tier of the virtual machine to Standard DS3.

Answer: A

NEW QUESTION 10
Your company has two offices located in London and New York. The London office has a public IP of 131.107.1.1 and a private IP subnet of 192.168.4.0/24. The New York office has a public IP of 131.107.15.1 and a private IP subnet of 192.168.8.0/24. You have a Microsoft Azure SQL database. Currently, only the users in the London office use the database. You plan to provide the users in the New York office with access to the database. You need to ensure that the New York office users can access the database. Which command should you execute?

A. EXECUTE sp_set_database_firewall_rule N'NewYork,'131.107.15.1','255.255.255.255'
B. EXECUTE sp_set_database_firewall_rule N'NewYork,'192.168.8.0', '192.168.8.255';
C. EXECUTE sp_set_database_firewall_rule N'NewYork,'192.168.8.0', '255.255.255.0';
D. EXECUTE sp_set_database_firewall_rule N'NewYork,'131.107.15.1','131.107.15.1';

Answer: B

Explanation: References:

NEW QUESTION 11
Your environment contains a Microsoft Azure virtual machine and an Azure SQL database. The virtual machine has Microsoft SQL Server installed and contains several applications. You need to recommend a solution to migrate one of the applications to the Azure SQL database. The solution must minimize downtime. Which solution should you recommend?

A. Implement log shipping.
B. Implement transactional replication.
C. Restore a BACPAC of the database.
D. Restore a backup of the database.

Answer: B

NEW QUESTION 12
You have an application named Appl that connects to a Microsoft Azure SQL database named AppDBl. Appl uses columnstore indexes as part of the database schema. You plan to deploy another Azure SQL database named AppDBDev that will be used as the development environment for Appl. You create a copy of AppDBl for AppDBDev. You need to identify which service tier must be used to store AppDBDev. The solution must minimize the cost to store AppDBDev. Which service tier should you identify?

A. Basic
B. Standard
C. Premium
D. Premium RS

Answer: B

NEW QUESTION 13
Your company identifies a stored procedure that runs slowly. You review the execution plan for the stored procedure, and you discover the properties of a Clustered Index Scan operator as shown in the exhibit. (Click the Exhibit button.)
The stored procedure contains the following code.

```
CREATE PROCEDURE GetFile
    @FileName nvarchar(512)
AS
    SELECT *
    FROM Files
    WHERE FileName = @FileName
```

You need to improve the performance of the stored procedure. What should you do?

A. Add a FORCESEEK query hint to the SELECT statement.
B. Add a NOLOCK query hint to the SELECT statement.
C. Convert the table to an In-Memory OLTP optimized table.
D. Change the FileName column from varchar(512) to nvarchar(512).

**Answer:** D

**NEW QUESTION 14**

You have an AlwaysOn availability group between several Microsoft Azure virtual machines. You need to ensure that the databases meet the following requirements:

The solution must prevent any disruption to replication.

Which four actions should you perform in sequence? I answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.
NEW QUESTION 15
You have a Microsoft Azure SQL database named Database1. You need to implement the Always Encrypted feature for Database1. In which sequence should you execute the code blocks? To answer, move all the code blocks from the list of code blocks to the answer area and arrange them in the correct order.

Answer:

Explanation:
References:

NEW QUESTION 16
Your network contains a primary site that has an AlwaysOn Availability Group.
You plan to create a new Microsoft Azure subscription that will use AlwaysOn Availability Groups on Microsoft Azure virtual machines.

You need to ensure that you can activate AlwaysOn Availability Groups on the Azure virtual machines if the primary site fails.

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

Answer:

Explanation:

NEW QUESTION 17

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