⚙ Custom View Settings

Topic 3 - Question Set 3

Question #1
Topic 3

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transactions.
Different cloud services will process customer orders, billing, payment, inventory, and shipping.
You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.
What would you include in the recommendation?

  A. Traffic Manager

  B. Azure Notification Hubs

  C. Azure Blob storage

  D. Azure Queue storage

Correct Answer: *D*

Question #2
Topic 3

You have an Azure subscription that contains an Azure Cosmos DB account.
You need to recommend a solution to generate an alert from Azure Log Analytics when a request charge for a query exceeds 50 request units more than 20 times within a 15-minute window.
What should you recommend?

  A. Create a search query to identify when requestCharge_s exceeds 50. Configure an alert threshold of 20 and a period of 15.

  B. Create a search query to identify when duration_s exceeds 20 and requestCharge_s exceeds 50. Configure a period of 15.

  C. Create a search query to identify when requestCharge_s exceeds 20. Configure a period of 15 and a frequency of 20.

  D. Create a search query to identify when duration_s exceeds 20. Configure a period of 15.

Correct Answer: *A*

Question #3
Topic 3

You are designing a data protection strategy for Azure virtual machines. All the virtual machines are in the Standard tier and use managed disks.
You need to recommend a solution that meets the following requirements:
☞ The use of encryption keys is audited.
☞ All the data is encrypted at rest always.
☞ You manage the encryption keys, not Microsoft.
What should you include in the recommendation?

  A. BitLocker Drive Encryption (BitLocker)

  B. Azure Storage Service Encryption

  C. client-side encryption

D. Azure Disk Encryption

Correct Answer: *D*

References:

https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-overview

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Question #4   *Topic 3*

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2012 R2 instances. The instances host databases that have the following characteristics:

☞ The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.

☞ Stored procedures are implemented by using CLR.

You plan to move all the data from SQL Server to Azure.

You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

☞ Whenever possible, minimize management overhead for the migrated databases.

☞ Minimize the number of database changes required to facilitate the migration.

Ensure that users can authenticate by using their Active Directory credentials.

▪

What should you include in the recommendation?

    A. Azure SQL Database single databases

    B. Azure SQL Database Managed Instance

    C. Azure SQL Database elastic pools

    D. SQL Server 2016 on Azure virtual machines

Correct Answer: *B*

References:

https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance

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Question #5   *Topic 3*
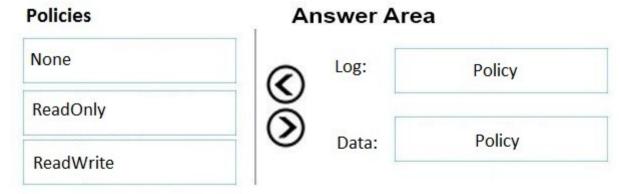
DRAG DROP -

You are designing a virtual machine that will run Microsoft SQL Server and will contain two data disks. The first data disk will store log files, and the second data disk will store data. Both disks are P40 managed disks.

You need to recommend a caching policy for each disk. The policy must provide the best overall performance for the virtual machine.

Which caching policy should you recommend for each disk? To answer, drag the appropriate policies to the correct disks. Each policy 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:

Policies   **Answer Area**

┌─────────────────────┐   ┌───────┐
│ None   │   │ Log: │   Policy
├─────────────────────┤   ⊙
│ ReadOnly   │   ⊙   ┌───────┐
├─────────────────────┤   │ Data: │   Policy
│ ReadWrite   │   └───────┘
└─────────────────────┘

Policies   **Answer Area**

┌─────────────────────┐   Log: ┌──────────────┐
│   │   │ None   │
│   │   ⊙   └──────────────┘
Correct Answer: ⊙
│   │   Data: ┌──────────────┐
│ ReadWrite   │   │ ReadOnly   │
└─────────────────────┘   └──────────────┘

References:

References:
https://docs.microsoft.com/en-us/azure/virtual-machines/windows/sql/virtual-machines-windows-sql-performance

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