Vendor: Microsoft

Exam Code: 70-473

Exam Name: Designing and Implementing Cloud Data Platform Solutions

Version: DEMO

Case Study 1 - A.Datum Corporation (QUESTION 9 - QUESTION 16)

Case Study 2 - Contoso, Ltd. (QUESTION 17 - QUESTION 21)

Case Study 3 - Proseware, Inc. (QUESTION 22 - QUESTION 29)

QUESTION 1
Drag and Drop Question
You have four Microsoft Azure SQL databases.
You need to configure cross-database queries.
Which four 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.

Statements	Answer Area
CREATE EXTERNAL DATABASE	
CREATE MASTER KEY	
CREATE EXTERNAL TABLE	
CREATE EXTERNAL DATA SOURCE	
CREATE DATABASE SCOPED CREDENTIAL	
CREATE SHARD MAP	

Answer:

Statements	Answer Area
CREATE EXTERNAL DATABASE	CREATE MASTER KEY
CREATE MASTER KEY	CREATE DATABASE SCOPED CREDENTIAL
CREATE EXTERNAL TABLE	CREATE EXTERNAL DATA SOURCE
CREATE EXTERNAL DATA SOURCE	CREATE EXTERNAL TABLE
CREATE DATABASE SCOPED CREDENTIAL	
CREATE SHARD MAP	

Explanation:
https://azure.microsoft.com/en-gb/documentation/articles/sql-database-elastic-query-overview/

QUESTION 2
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:
http://azure.patrickkeisler.com/2015/11/configuring-the-azure-sql-database-firewall/
https://msdn.microsoft.com/en-gb/library/dn270010.aspx

QUESTION 3
You have an application that uses a Microsoft SQL Server database on a Microsoft Azure virtual machine.
The application experiences performance issues, which you suspect are related to the connection pooling.
The issues are prevalent only when there are more than 150 concurrent connections.
You need to identify whether the performance issues are related to the connection pooling.
Which dynamic management view should you query?

A. sys.dm_os_memory_pools
B. sys.dm_exec_requests
C. sys.dm_exec_connections
D. sys.dm_exec_sessions

Answer: D
Explanation:
https://blogs.msdn.microsoft.com/sql_pfe_blog/2013/10/08/connection-pooling-for-the-sql- server-dba/

QUESTION 4
You have a hybrid Microsoft SQL Server environment that has multiple servers and services that run in both Microsoft Azure and on-premises.
If the network fails, you need to ensure that users can authenticate and connect to the resources available in Azure.
Which two server roles should you deploy to Azure? Each correct answer presents part of the solution.

A. Active Directory Federation Services
B. Active Directory Certificate Services
C. DHCP Server
D. Active Directory Domain Services
E. DNS Server

Answer: AD

QUESTION 5
You have an on-premises Microsoft SQL Server 2014 database in an AlwaysOn availability group.

You are planning a backup solution for the database.
Backups will run on a secondary replica.
You need to create a backup procedure for the database. The solution must ensure that the backups are stored on-premises and in Microsoft Azure Blob storage.
Which two actions should you perform? Each correct answer presents part of the solution.

A. Run the BACKUP DATABASE statement and use the TO DISK clause.
B. Run the CREATE DATABASE statement and use the AS COPY OF clause.
C. Run the BACKUP DATABASE statement and use the TO URL clause.
D. Run the BACKUP DATABASE statement and use the MIRROR clause.

Answer: C
Explanation:
https://msdn.microsoft.com/en-us/library/dn435916.aspx

QUESTION 6
You have a report that runs against a Microsoft Azure SQL database.
The report takes more time to return results than expected.
You add an index to a table in the database.
You need to identify whether adding the index improves the performance issue.
What should you use?

A. Database Engine Tuning Advisor
B. Index Tuning Wizard
C. Azure Throughput Analyzer
D. Azure SQL Database Index Advisor

Answer: D
Explanation:
https://azure.microsoft.com/en-gb/documentation/articles/sql-database-advisor/

QUESTION 7
Your company has two offices. The offices are 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 SQL Server database that is hosted on a Microsoft Azure virtual machine.
Currently, only the users in the London office use the database.
You need to create a new firewall rule to provide the users in the New York office with access to the database.
The solution must protect the database from being accessed by users on the public Internet.
What should you do?

A. Modify the endpoint from the Azure portal.
B. Use the sp_set_database_firewall_rule stored procedure.
C. Disable the Windows Firewall on the Azure virtual machine.
D. Run the New-AzureSqlDatabaseServerFirewallRule Azure PowerShell cmdlet.
E. Use the Set Firewall Rule REST API.

Answer: A
Explanation:
This Microsoft SQL Server database is hosted on a Microsoft Azure virtual machine.
Therefore, remote access will be provided via the endpoint rather than a database level firewall

rule.

QUESTION 8
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. 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

QUESTION 9
You are a database administrator for a retail e-commerce web application solution.
Your databases for this solution are all stored in the Azure SQL Database service.
You learn that compliance certifications require that credit card data is encrypted at rest, in transit, and during queries.
You must enable encryption in Azure SQL Database to meet this requirement.
Which feature should you use?

A. Row-Level Security (RLS)
B. Dynamic Data Masking
C. Always Encrypted
D. Transparent Data Encryption (TDE)

Answer: C
Explanation:
You should use the Always Encrypted feature of Azure SQL Database. This feature enables encryption in transit, in memory, on disk (at rest) and during query processing.
You should not use Transparent Data Encryption. TDE enables encryption that does not require any changes to your applications, but the encryption is only while the data is at rest.
You should not use the Row-Level Security or Dynamic Data Masking features. Neither of these features encrypts your data. Both features modify what data is visible to client applications.

Thank You for Trying Our Product

PassLeader Certification Exam Features:

★ More than **99,900** Satisfied Customers Worldwide.

★ Average **99.9%** Success Rate.

★ **Free Update** to match latest and real exam scenarios.

★ **Instant Download** Access! No Setup required.

★ Questions & Answers are downloadable in **PDF** format and **VCE** test engine format.

★ Multi-Platform capabilities - **Windows, Laptop, Mac, Android, iPhone, iPod, iPad**.

★ **100%** Guaranteed Success or **100%** Money Back Guarantee.

★ **Fast**, helpful support **24x7**.

View list of all certification exams: http://www.passleader.com/all-products.html

10% Discount Coupon Code: STNAR2014