Microsoft

Exam Questions DP-300

Administering Relational Databases on Microsoft Azure (beta)

NEW QUESTION 1
You have an Azure SQL database that contains a table named factSales. FactSales contains the columns shown in the following table.

FactSales has 6 billion rows and is loaded nightly by using a batch process.
Which type of compression provides the greatest space reduction for the database?

A. page compression
B. row compression
C. columnstore compression
D. columnstore archival compression

Answer: D

NEW QUESTION 2
You have a Microsoft SQL Server 2019 instance in an on-premises datacenter. The instance contains a 4-TB database named DB1. You plan to migrate DB1 to an Azure SQL Database managed instance.
What should you use to minimize downtime and data loss during the migration?

A. distributed availability groups
B. database mirroring
C. log shipping
D. Database Migration Assistant

Answer: A

NEW QUESTION 3
HOTSPOT
You have an on-premises Microsoft SQL Server 2016 server named Server1 that contains a database named DB1.
You need to perform an online migration of DB1 to an Azure SQL Database managed instance by using Azure Database Migration Service. How should you configure the backup of DB1? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 4
You have 20 Azure SQL databases provisioned by using the vCore purchasing model.
You plan to create an Azure SQL Database elastic pool and add the 20 databases.
Which three metrics should you use to size the elastic pool to meet the demands of your workload? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. total size of all the databases
B. geo-replication support
C. number of concurrently peaking databases * peak CPU utilization per database
D. maximum number of concurrent sessions for all the databases
E. total number of databases * average CPU utilization per database

Answer: D

Explanation:
1. You have a new Azure SQL database. The database contains a column that stores confidential information.
You need to track each time values from the column are returned in a query. The tracking information must be stored for 365 days from the date the query was executed. Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.
A. Turn on auditing and write audit logs to an Azure Storage account.
B. Add extended properties to the column.
C. Turn on Advanced Data Security for the Azure SQL server.
D. Apply sensitivity labels named Highly Confidential to the column.
E. Turn on Azure Advanced Threat Protection (ATP).
2. You have an Azure virtual machine named VM1 on a virtual network named VNet1. Outbound traffic from VM1 to the internet is blocked. You have an Azure SQL database named SqlDb1 on a logical server named SqlSrv1.
You need to implement connectivity between VM1 and SqlDb1 to meet the following requirements:
Ensure that all traffic to the public endpoint of SqlSrv1 is blocked. Minimize the possibility of VM1 exfiltrating data stored in SqlDb1.
What should you create on VNet1?
A. a VPN gateway
B. a service endpoint
C. a private link
D. an ExpressRoute gateway
1. You have SQL Server on an Azure virtual machine that contains a database named DB1. DB1 contains a table named CustomerPII. You need to record whenever users query the CustomerPII table.
Which two options should you enable? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.
A. server audit specification
B. SQL Server audit
C. database audit specification
D. a server principal
2. You have an Azure virtual machine based on a custom image named VM1.
VM1 hosts an instance of Microsoft SQL Server 2019 Standard.
You need to automate the maintenance of VM1 to meet the following requirements: Automate the patching of SQL Server and Windows Server.
Automate full database backups and transaction log backups of the databases on VM1. Minimize administrative effort.
What should you do first?
A. Enable a system-assigned managed identity for VM1
B. Register VM1 to the Microsoft.Sql resource provider
C. Install an Azure virtual machine Desired State Configuration (DSC) extension on VM1
D. Register VM1 to the Microsoft.SqlVirtualMachine resource provider
3. You receive numerous alerts from Azure Monitor for an Azure SQL database.
You need to reduce the number of alerts. You must only receive alerts if there is a significant change in usage patterns for an extended period. Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.
A. Set Threshold Sensitivity to High
B. Set the Alert logic threshold to Dynamic
C. Set the Alert logic threshold to Static
D. Set Threshold Sensitivity to Low
E. Set Force Plan to On
4. You have an Azure SQL database named sqldb1.
You need to minimize the amount of space by the data and log files of sqldb1. What should you run?

A. DBCC SHRINKDATABASE
B. sp_clean_db_free_space
C. sp_clean_db_file_free_space
D. DBCC SHRINKFILE
5. You have an Azure SQL Database server named sqlsrv1 that hosts 10 Azure SQL databases.
The databases perform slower than expected.
You need to identify whether the performance issue relates to the use of tempdb on sqlsrv1. What should you do?
A. Run Query Store-based queries
B. Review information provided by SQL Server Profiler-based traces
C. Review information provided by Query Performance Insight
D. Run dynamic management view-based queries

NEW QUESTION 5
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 an Azure SQL database named Sales.
You need to implement disaster recovery for Sales to meet the following requirements: During normal operations, provide at least two readable copies of Sales.
Ensure that Sales remains available if a datacenter fails.
Solution: You deploy an Azure SQL database that uses the General Purpose service tier and geo-replication. Does this meet the goal?

A. Yes
B. No

Answer: E

Explanation:
1. You need to implement authentication for ResearchDB1. The solution must meet the security and compliance requirements.
What should you run as part of the implementation?
A. CREATE LOGIN and the FROM WINDOWS clause
B. CREATE USER and the FROM CERTIFICATE clause
C. CREATE USER and the FROM LOGIN clause
D. CREATE USER and the ASYMMETRIC KEY clause
E. CREATE USER and the FROM EXTERNAL PROVIDER clause

NEW QUESTION 10
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