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You have an Azure SQL database named DB1.

You need to display the estimated execution plan of a query by using the query editor in the Azure portal.

What should you do first?

- A. Run the set showplan_all Transact-SQL statement.
- B. For DB1, set QUERY_CAPTURE_MODE of Query Store to All.
- C. Run the set forceplan Transact-SQL statement.
- D. Enable Query Store for DB1.

Correct Answer: A

Explanation:

<https://docs.microsoft.com/en-us/sql/t-sql/statements/set-showplan-all-transact-sql?view=sql-server-ver15>

QUESTION 35

You have an Azure subscription that contains a logical SQL server named Server1. The master database of Server1 contains a user named User1. You need to ensure that User1 can create databases on Server1. Which database role should you assign to User1?

- A. db_owner
- B. dbmanager
- C. dbo
- D. db_ddladmin

Correct Answer: B

QUESTION 36

HOTSPOT

You are designing an enterprise data warehouse in Azure Synapse Analytics that will store website traffic analytics in a star schema.

You plan to have a fact table for website visits. The table will be approximately 5 GB.

You need to recommend which distribution type and index type to use for the table. The solution must provide the fastest query performance.

What should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Distribution:

▼
Hash
Round robin
Replicated

Index:

▼
Clustered columnstore
Clustered
Nonclustered

Correct Answer:

Distribution:

▼
Hash
Round robin
Replicated

Index:

▼
Clustered columnstore
Clustered
Nonclustered

QUESTION 37

You plan to move two 100-GB databases to Azure.

You need to dynamically scale resources consumption based on workloads. The solution must minimize downtime during scaling operations.

What should you use?

- A. two Azure SQL Databases in an elastic pool
- B. two databases hosted in SQL Server on an Azure virtual machine
- C. two databases in an Azure SQL Managed instance
- D. two single Azure SQL databases

Correct Answer: D

Explanation:

Azure SQL Database elastic pools are a simple, cost-effective solution for managing and scaling multiple databases that have varying and unpredictable usage demands. The databases in an elastic pool are on a single server and share a set number of resources at a set price.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pool-overview>

QUESTION 38

HOTSPOT

You have an Azure SQL database named DB1 that contains two tables named Table1 and Table2. Both tables contain a column named a Column1. Column1 is used for joins by an application named App1.

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You need to protect the contents of Column1 at rest, in transit, and in use.

How should you protect the contents of Column1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Encryption key:

	▼
Column encryption key	
Database encryption key	
Service master key	

Encryption type:

	▼
Deterministic	
Randomized	
Transparent Data Encryption (TDE)	

Correct Answer:

Encryption key:

	▼
Column encryption key	
Database encryption key	
Service master key	

Encryption type:

	▼
Deterministic	
Randomized	
Transparent Data Encryption (TDE)	

QUESTION 39

You have an Azure SQL managed instance named SQLMI1 that hosts 10 databases.

You need to implement alerts by using Azure Monitor. The solution must meet the following requirements:

- Minimize costs.
- Aggregate Intelligent Insights telemetry from each database.

What should you do?

- A. From the Diagnostic settings of each database, select Send to Log Analytics.
- B. From the Diagnostic settings of each database, select Stream to an event hub.
- C. From the Diagnostic settings of SQLMI1, select Send to Log Analytics.
- D. From the Diagnostic settings of SQLMI1, select Stream to an event hub.

Correct Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/metrics-diagnostic-telemetry-logging-streaming-export-configure?tabs=azure-portal#configure-the-streaming-export-of-diagnostic-telemetry>

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QUESTION 40

You have an Azure SQL database named db1 on a server named server1.

The Intelligent Insights diagnostics log identifies queries that cause performance issues due to tempDB contention.

You need to resolve the performance issues.

What should you do?

- A. Implement memory-optimized tables.
- B. Run the dbcc flushprocindB command.
- C. Replace the sequential index keys with nonsequential keys.
- D. Run the dbcc dbreindex command.

Correct Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/intelligent-insights-troubleshoot-performance#tempdb-contention>

QUESTION 41

You have a SQL pool in Azure Synapse that contains a table named dbo.Customers. The table contains a column name Email.

You need to prevent nonadministrative users from seeing the full email addresses in the Email column. The users must see values in a format of aXXX@XXXX.com instead.

What should you do?

- A. From the Azure portal, set a mask on the Email column.
- B. From the Azure portal, set a sensitivity classification of Confidential for the Email column.
- C. From Microsoft SQL Server Management Studio, set an email mask on the Email column.
- D. From Microsoft SQL Server Management Studio, grant the SELECT permission to the users for all the columns in the dbo.Customers table except Email.

Correct Answer: B

Explanation:

The Email masking method, which exposes the first letter and replaces the domain with XXX.com using a constant string prefix in the form of an email address.

Example: aXX@XXXX.com

QUESTION 42

HOTSPOT

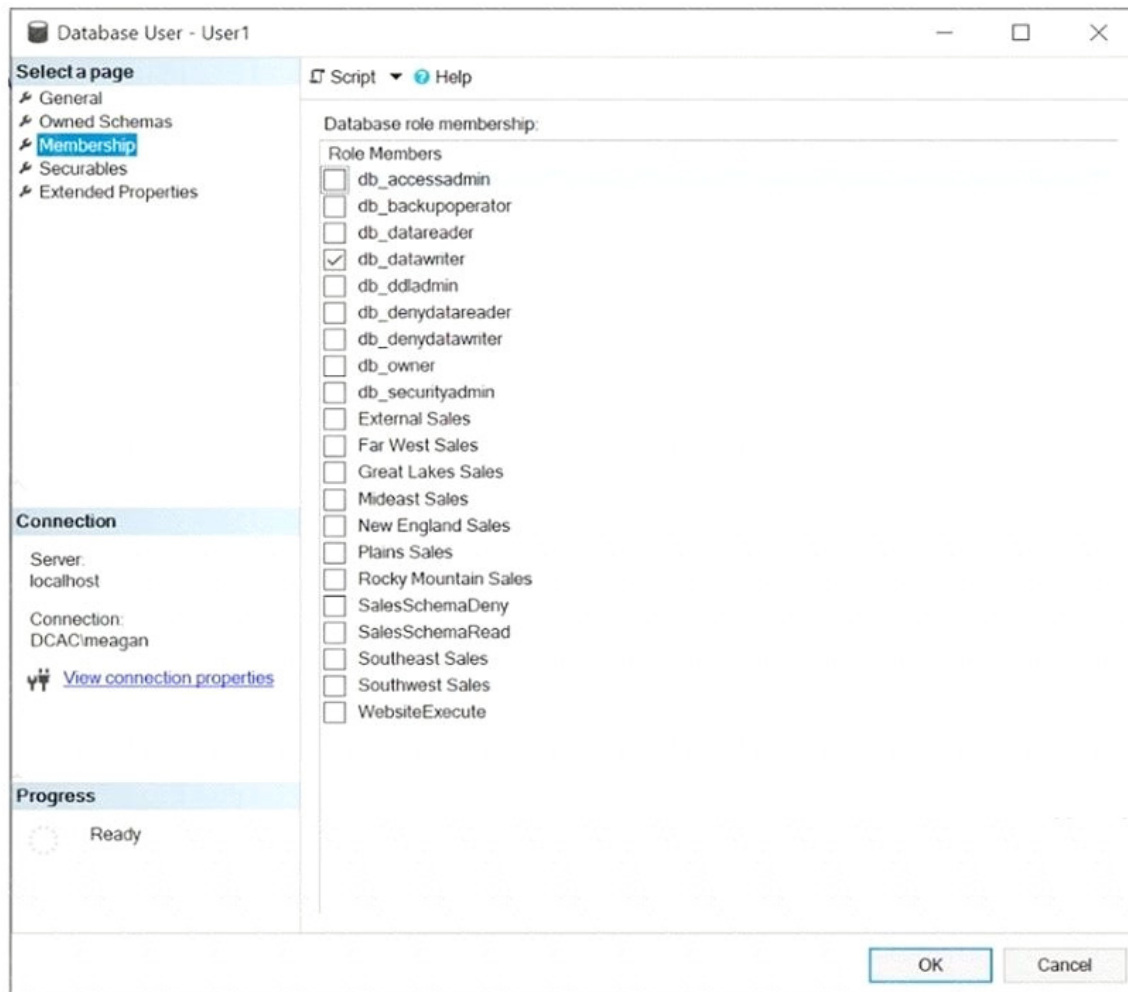
You have a Microsoft SQL Server database named DB1 that contains a table named Table1.

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The database role membership for a user named User1 is shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

User1 can [answer choice].

	▼
add a column to Table1	
delete a row from Table1	
delete Table1	

To ensure that User1 can run queries to retrieve data from DB1, you must assign User1 the [answer choice] database role.

	▼
db_datareader	
db_ddladmin	
db_denydatareader	
db_denydatawriter	