# **Latest Version: 8.0**

# Question: 1

### DRAG DROP

You need to ensure that the Twitter feed data can be analyzed in the dedicated SQL pool. The solution must meet the customer sentiment analytics requirements.

Which three Transaction-SQL DDL commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Commands Answer Area

CREATE EXTERNAL DATA SOURCE
CREATE EXTERNAL FILE FORMAT
CREATE EXTERNAL TABLE
CREATE EXTERNAL TABLE AS SELECT
CREATE DATABASE SCOPED CREDENTIAL

A	n	SI	۸I	ρ	r·
$\boldsymbol{\mathcal{I}}$		91	•	·	

CREATE	EXTERNAL	DATA	SOURCE
CREATE	EXTERNAL	FILE	FORMAT
CREATE	EXTERNAL	TABLE	E AS SELECT

### Explanation:

Scenario: Allow Contoso users to use PolyBase in an Azure Synapse Analytics dedicated SQL pool to query the content of the data records that host the Twitter feeds. Data must be protected by using rowlevel security (RLS). The users must be authenticated by using their own Azure AD credentials.

**Box 1: CREATE EXTERNAL DATA SOURCE** 

External data sources are used to connect to storage accounts.

**Box 2: CREATE EXTERNAL FILE FORMAT** 

CREATE EXTERNAL FILE FORMAT creates an external file format object that defines external data stored in Azure Blob Storage or Azure Data Lake Storage. Creating an external file format is a prerequisite for creating an external table.

**Box 3: CREATE EXTERNAL TABLE AS SELECT** 

When used in conjunction with the CREATE TABLE AS SELECT statement, selecting from an external table

imports data into a table within the SQL pool. In addition to the COPY statement, external tables are useful for loading data.

Reference:

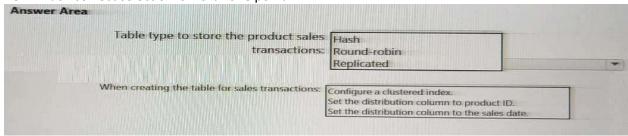
https://docs.microsoft.com/en-us/azure/synapse-analytics/sql/develop-tables-external-tables

# Question: 2

#### **HOTSPOT**

You need to design a data storage structure for the product sales transactions. The solution must meet the sales transaction dataset requirements.

What should you include in the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer:

- 1. Replicated
- 2. Set the distribution column to product ID.

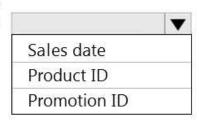
## **Question: 3**

### **HOTSPOT**

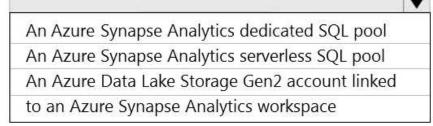
You need to design the partitions for the product sales transactions. The solution must mee the sales transaction dataset requirements.

What should you include in the solution? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

# Partition product sales transactions data by:

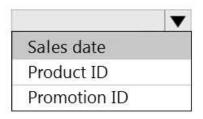


# Store product sales transactions data in:



## **Answer:**

# Partition product sales transactions data by:



## Store product sales transactions data in:

An Azure Synapse Analytics dedicated SQL pool
An Azure Synapse Analytics serverless SQL pool
An Azure Data Lake Storage Gen2 account linked
to an Azure Synapse Analytics workspace

## Explanation:

Box 1: Sales date

Scenario: Contoso requirements for data integration include:

Partition data that contains sales transaction records. Partitions must be designed to provide efficient loads by month. Boundary values must belong to the partition on the right.

Box 2: An Azure Synapse Analytics Dedicated SQL pool

Scenario: Contoso requirements for data integration include:

Ensure that data storage costs and performance are predictable.

The size of a dedicated SQL pool (formerly SQL DW) is determined by Data Warehousing Units (DWU). Dedicated SQL pool (formerly SQL DW) stores data in relational tables with columnar storage. This

format significantly reduces the data storage costs, and improves query performance.

Synapse analytics dedicated sql pool

Reference:

https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouseoverview-what-is

# Question: 4

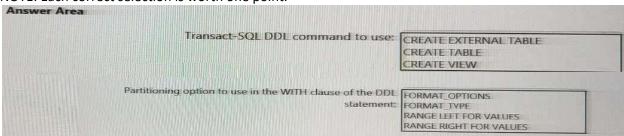
#### **HOTSPOT**

You need to implement an Azure Synapse Analytics database object for storing the sales transactions data. The solution must meet the sales transaction dataset requirements.

What solution must meet the sales transaction dataset requirements.

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

NOTE: Each correct selection is worth one point.



**Answer:** 

- 1. Create Table
- 2. Range Right for values

## **Question: 5**

You need to integrate the on-premises data sources and Azure Synapse Analytics. The solution must meet the data integration requirements.

Which type of integration runtime should you use?

- A. Azure-SSIS integration runtime
- B. self-hosted integration runtime
- C. Azure integration runtime

**Answer: C**