

Question #21

Topic 1

HOTSPOT -

From a website analytics system, you receive data extracts about user interactions such as downloads, link clicks, form submissions, and video plays.

The data contains the following columns.

Name	Sample value
Date	15 Jan 2021
EventCategory	Videos
EventAction	Play
EventLabel	Contoso Promotional
ChannelGrouping	Social
TotalEvents	150
UniqueEvents	120
SessionWithEvents	99

You need to design a star schema to support analytical queries of the data. The star schema will contain four tables including a date dimension. To which table should you add each column? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

EventCategory:

	▼
DimChannel	
DimDate	
DimEvent	
FactEvents	

ChannelGrouping:

	▼
DimChannel	
DimDate	
DimEvent	
FactEvents	

TotalEvents:

	▼
DimChannel	
DimDate	
DimEvent	
FactEvents	

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 Storage account that contains 100 GB of files. The files contain rows of text and numerical values. 75% of the rows contain description data that has an average length of 1.1 MB.

You plan to copy the data from the storage account to an enterprise data warehouse in Azure Synapse Analytics.

You need to prepare the files to ensure that the data copies quickly.

Solution: You convert the files to compressed delimited text files.

Does this meet the goal?

A. Yes

B. No

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Solution: You copy the files to a table that has a columnstore index.

Does this meet the goal?

A. Yes

B. No

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Solution: You modify the files to ensure that each row is more than 1 MB.

Does this meet the goal?

A. Yes

B. No

You build a data warehouse in an Azure Synapse Analytics dedicated SQL pool.

Analysts write a complex SELECT query that contains multiple JOIN and CASE statements to transform data for use in inventory reports. The inventory reports will use the data and additional WHERE parameters depending on the report. The reports will be produced once daily.

You need to implement a solution to make the dataset available for the reports. The solution must minimize query times.

What should you implement?

- A. an ordered clustered columnstore index
- B. a materialized view
- C. result set caching
- D. a replicated table

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