



DUMPSHQ

Free Questions for DP-203 by dumpshq

Shared by Gregory on 07-06-2022

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Question 1

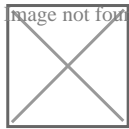
Question Type: Hotspot

You need to implement an Azure Databricks cluster that automatically connects to Azure Data Lake Storage Gen2 by using Azure Active Directory (Azure AD) integration.

How should you configure the new cluster? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

image not found or type unknown



References:

Answer:

Question 2

Question Type: Hotspot

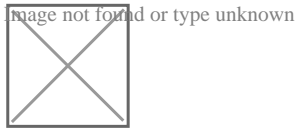
You have an Azure subscription that contains the following resources:

- * An Azure Active Directory (Azure AD) tenant that contains a security group named Group1.
- * An Azure Synapse Analytics SQL pool named Pool1.

You need to control the access of Group1 to specific columns and rows in a table in Pool1

Which Transact-SQL commands should you use? To answer, select the appropriate options in the answer area.

NOTE: Each appropriate options in the answer area.



Question 3

Question Type: Hotspot

You are designing an application that will store petabytes of medical imaging data

When the data is first created, the data will be accessed frequently during the first week. After one month, the data must be accessible within 30 seconds, but files will be accessed infrequently. After one year, the data will be accessed infrequently but must be accessible

within five minutes.

You need to select a storage strategy for the dat

a. The solution must minimize costs.

Which storage tier should you use for each time frame? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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References:

Answer:

Question 4

Question Type: Hotspot

You have a Microsoft SQL Server database that uses a third normal form schema.

You plan to migrate the data in the database to a star schema in an Azure Synapse Analytics dedicated SQL pool.

You need to design the dimension tables. The solution must optimize read operations.

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.

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Question 5

Question Type: Hotspot

You are developing a solution using a Lambda architecture on Microsoft Azure.

The data at test layer must meet the following requirements:

Data storage:

*Serve as a repository (or high volumes of large files in various formats).

*Implement optimized storage for big data analytics workloads.

*Ensure that data can be organized using a hierarchical structure.

Batch processing:

*Use a managed solution for in-memory computation processing.

*Natively support Scala, Python, and R programming languages.

*Provide the ability to resize and terminate the cluster automatically.

Analytical data store:

*Support parallel processing.

*Use columnar storage.

*Support SQL-based languages.

You need to identify the correct technologies to build the Lambda architecture.

Which technologies should you use? To answer, select the appropriate options in the answer area

NOTE: Each correct selection is worth one point.

Image not found or type unknown



References:

Answer:

Question 6

Question Type: OrderList

You plan to monitor an Azure data factory by using the Monitor & Manage app.

You need to identify the status and duration of activities that reference a table in a source database.

Which three actions should you perform in sequence? To answer, move the actions from the list of actions to the answer area and arrange them in the correct order.

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References:

Answer:

From the Data Factory monitoring UI, generate the Source property for Source Activity and write it to the...

From t

Question 7

Question Type: Hotspot

You need to collect application metrics, streaming query events, and application log messages for an Azure Databrick cluster.

Which type of library and workspace should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Image not found or type unknown



References:

Answer:

Question 8

Question Type: DragDrop

You have an Apache Spark DataFrame named temperatures. A sample of the data is shown in the following table.

Date	Temp
...	...
18-01-2021	3
19-01-2021	4
20-01-2021	2
21-01-2021	2
...	...

You need to produce the following table by using a Spark SQL query.

Year	JAN	FEB	MAR	APR	MAY
2019	2.3	4.1	5.2	7.6	9.2
2020	2.4	4.2	4.9	7.8	9.1
2021	2.6	5.3	3.4	7.9	9.5

CONVERT

How should you complete the query? To answer, drag the appropriate values to the correct

targets. Each value may be used once more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values

- CAST
- COLLATE
- CONVERT
- FLATTEN
- PIVOT
- UNPIVOT

Answer Area

```
SELECT * FROM (
    SELECT YEAR(Date) Year, MONTH(Date)
    FROM Temperatures
    WHERE date BETWEEN DATE '2019-01-01' AND DATE
    '2021-08-31'
    Value (
        Value (Temp AS DECIMAL(4, 1)))
    AVG (
        FOR Month in (
            1 JAN, 2 FEB, 3 MAR, 4 APR, 5 MAY, 6
            JUN, 7 JUL, 8 AUG, 9 SEP, 10 OCT, 11 NOV,
            12 DEC
        )
    )
)
ORDER BY Year ASC
```

Question 9

Question Type: Hotspot

You develop a dataset named DBTBL1 by using Azure Databricks.

DBTBL1 contains the following columns:

- * SensorTypeID
- * GeographyRegionID
- * Year
- * Month
- * Day
- * Hour
- * Minute
- * Temperature
- * WindSpeed
- * Other

You need to store the data to support daily incremental load pipelines that vary for each GeographyRegionID. The solution must minimize storage costs.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
df.write
```

<pre>.bucketBy .format .partitionBy .sortBy</pre>	<pre>("*") ("GeographyRegionID") ("GeographyRegionID","Year","Month","Day") ("Year","Month","Day","GeographyRegionID")</pre>
---	--

<pre>.csv("/DBTBL1") .json("/DBTBL1") .parquet("/DBTBL1") .saveAsTable("/DBTBL1")</pre>

Question 10

Question Type: MultipleChoice

You are designing an inventory updates table in an Azure Synapse Analytics dedicated SQL pool. The table will have a clustered columnstore index and will include the following columns:

* EventDate: 1 million per day

* EventTypeID: 10 million per event type

* WarehouseID: 100 million per warehouse

* ProductCategoryTypeID: 25 million per product category type

You identify the following usage patterns:

Analyst will most commonly analyze transactions for a warehouse.

Queries will summarize by product category type, date, and/or inventory event type.

You need to recommend a partition strategy for the table to minimize query times.

On which column should you recommend partitioning the table?

Options:

A) ProductCategoryTypeID

B) EventDate

C) WarehouseID

D) EventTypeID

Answer:

D

Question 11

Question Type: Hotspot

You have an Azure Synapse Analytics dedicated SQL pool that contains the users shown in the following table.

Name	Role
User1	Server admin
User2	db_datareader

User1 executes a query on the database, and the query returns the results shown in the following exhibit.

```
1  SELECT c.name,  
2     tbl.name as table_name,  
3     typ.name as datatype,  
4     c.is_masked,  
5     c.masking_function  
6  FROM sys.masked_columns AS c  
7  INNER JOIN sys.tables AS tbl ON c.[object_id] = tbl.[object_id]  
8  INNER JOIN sys.types typ ON c.user_type_id = typ.user_type_id  
9  WHERE is_masked = 1;  
10
```

Results Messages

	name	table_name	datatype	is_masked	masking_function
1	BirthDate	DimCustomer	date	1	default()
2	Gender	DimCustomer	nvarchar	1	default()
3	EmailAddress	DimCustomer	nvarchar	1	email()
4	YearlyIncome	DimCustomer	money	1	default()

User1 is the only user who has access to the unmasked data.

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

Answer Area

When User2 queries the YearlyIncome column, the values returned will be [answer choice].

When User1 queries the BirthDate column, the values returned will be [answer choice].

a random number
the values stored in the database
XXXX
0

a random date
the values stored in the database
XXXX
1900-01-01

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