



Free Questions for DP-203 by dumpssheet

Shared by Carney on 18-01-2024

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Question 1

Question Type: Hotspot

Which Azure Data Factory components should you recommend using together to import the daily inventory data from the SQL server to Azure Data Lake Storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Box 1: Self-hosted integration runtime

A self-hosted IR is capable of running copy activity between a cloud data stores and a data store in private network.

Box 2: Schedule trigger

Schedule every 8 hours

Box 3: Copy activity

Scenario:

Customer data, including name, contact information, and loyalty number, comes from Salesforce and can be imported into Azure once every eight hours. Row modified dates are not trusted in the source table.

Product data, including product ID, name, and category, comes from Salesforce and can be imported into Azure once every eight hours. Row modified dates are not trusted in the source table.

Answer:

Question 2

Question Type: Hotspot

You have an Azure subscription that contains a logical Microsoft SQL server named Server1. Server1 hosts an Azure Synapse Analytics SQL dedicated pool named Pool1.

You need to recommend a Transparent Data Encryption (TDE) solution for Server1. The solution must meet the following requirements:

Track the usage of encryption keys.

Maintain the access of client apps to Pool1 in the event of an Azure datacenter outage that affects the availability of the encryption keys.

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

NOTE: Each correct selection is worth one point.

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Answer:

Explanation:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/security/workspaces-encryption>

<https://docs.microsoft.com/en-us/azure/key-vault/general/logging>

Question 3

Question Type: MultipleChoice

You have an Azure subscription that contains an Azure SQL database named DB1 and a storage account named storage1. The storage1 account contains a file named File1.txt. File1.txt contains the names of selected tables in DB1.

You need to use an Azure Synapse pipeline to copy data from the selected tables in DB1 to the files in storage1. The solution must meet the following requirements:

- * The Copy activity in the pipeline must be parameterized to use the data in File1.txt to identify the source and destination of the copy.
- * Copy activities must occur in parallel as often as possible.

Which two pipeline activities should you include in the pipeline? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

Options:

- A) If Condition
- B) ForEach
- C) Lookup
- D) Get Metadata

Answer:

B, D

Explanation:

Lookup: This is a control activity that retrieves a dataset from any of the supported data sources and makes it available for use by subsequent activities in the pipeline. You can use a Lookup activity to read File1.txt from storage1 and store its content as an array variable1.

ForEach: This is a control activity that iterates over a collection and executes specified activities in a loop. You can use a ForEach activity to loop over the array variable from the Lookup activity and pass each table name as a parameter to a Copy activity that copies data from DB1 to storage11.

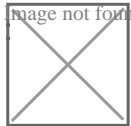
Question 4

Question Type: Hotspot

Which Azure Data Factory components should you recommend using together to import the daily inventory data from the SQL server to Azure Data Lake Storage? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

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Answer:

Question 5

Question Type: Hotspot

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

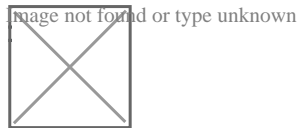
When the data is first created, the data will be accessed frequently during the first week. After one month, the data must be accessible within 30 seconds, but files will be accessed infrequently. After one year, the data will be accessed infrequently but must be accessible within five minutes.

You need to select a storage strategy for the data

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.



Answer:

Explanation:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

Question 6

Question Type: Hotspot

You are planning the deployment of Azure Data Lake Storage Gen2.

You have the following two reports that will access the data lake:

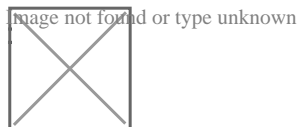
Report1: Reads three columns from a file that contains 50 columns.

Report2: Queries a single record based on a timestamp.

You need to recommend in which format to store the data in the data lake to support the reports. The solution must minimize read times.

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

NOTE: Each correct selection is worth one point.



Answer:

Explanation:

<https://streamsets.com/documentation/datacollector/latest/help/datacollector/UserGuide/Destinations/ADLS-G2-D.html>

Question 7

Question Type: Hotspot

You have an Azure Data Lake Storage Gen2 container.

Data is ingested into the container, and then transformed by a data integration application. The data is NOT modified after that. Users can read files in the container but cannot modify the files.

You need to design a data archiving solution that meets the following requirements:

New data is accessed frequently and must be available as quickly as possible.

Data that is older than five years is accessed infrequently but must be available within one second when requested.

Data that is older than seven years is NOT accessed. After seven years, the data must be persisted at the lowest cost possible.

Costs must be minimized while maintaining the required availability.

How should you manage the data? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point

Box 1: Move to cool storage



Answer:

Explanation:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-storage-tiers>

<https://azure.microsoft.com/en-us/updates/reduce-data-movement-and-make-your-queries-more-efficient-with-the-general-availability-of-replicated-tables/>

<https://azure.microsoft.com/en-us/blog/replicated-tables-now-generally-available-in-azure-sql-data-warehouse/>

Question 8

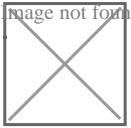
Question Type: Hotspot

You need to design a data ingestion and storage solution for the Twitter feeds. The solution must meet the customer sentiment analytics 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.

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Answer:

Explanation:

<https://docs.microsoft.com/en-us/azure/event-hubs/event-hubs-features>

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-access-control>

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