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Microsoft DP-203 (Data Engineering on Microsoft Azure) certification exam is a valuable credential for data engineers who want to demonstrate their expertise in designing and implementing data solutions on Azure. It is a great way for professionals to advance their careers and increase their earning potential. With this certification, data engineers can showcase their skills and knowledge in data engineering concepts and practices, and prove their ability to design and implement data solutions on Azure.

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Pass Guaranteed Quiz 2026 Microsoft DP-203: Data Engineering on Microsoft Azure – Efficient Latest Cram Materials

DP-203 practice exam enables applicants to practice time management, answer strategies, and all other elements of the final Data Engineering on Microsoft Azure (DP-203) certification exam and can check their scores. The exhaustive report enrollment database allows students to evaluate their performance and prepare for the Data Engineering on Microsoft Azure (DP-203) certification exam without further difficulty.

Exam DP-203: Data Engineering on Microsoft Azure

Candidates for this exam should have subject matter expertise integrating, transforming, and consolidating data from various structured and unstructured data systems into a structure that is suitable for building analytics solutions.

Azure Data Engineers help stakeholders understand the data through exploration, and they build and maintain secure and compliant data processing pipelines by using different tools and techniques. These professionals use various Azure data services and languages to store and produce cleansed and enhanced datasets for analysis.

Azure Data Engineers also help ensure that data pipelines and data stores are high-performing, efficient, organized, and reliable, given a set of business requirements and constraints. They deal with unanticipated issues swiftly, and they minimize data loss. They also design, implement, monitor, and optimize data platforms to meet the data pipelines needs.

A candidate for this exam must have strong knowledge of data processing languages such as SQL, Python, or Scala, and they need to understand parallel processing and data architecture patterns.

Part of the requirements for: Microsoft Certified: Azure Data Engineer Associate

Download exam skills outline

The DP-203 Exam is designed for data engineers who are responsible for designing and implementing big data and real-time data solutions using Azure data services. DP-203 exam measures the candidate's ability to design and implement data storage solutions, data processing solutions, and data consumption solutions. DP-203 exam also measures the candidate's ability to monitor and optimize Azure data solutions.

Microsoft Data Engineering on Microsoft Azure Sample Questions (Q286-Q291):

NEW QUESTION # 286

You need to build a solution to ensure that users can query specific files in an Azure Data Lake Storage Gen2 account from an Azure Synapse Analytics serverless SQL pool.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions 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.

Answer:

Explanation:

Explanation:

Graphical user interface, text, application, email Description automatically generated

Step 1: Create an external data source

You can create external tables in Synapse SQL pools via the following steps:

* CREATE EXTERNAL DATA SOURCE to reference an external Azure storage and specify the credential that should be used to access the storage.

* CREATE EXTERNAL FILE FORMAT to describe format of CSV or Parquet files.

* CREATE EXTERNAL TABLE on top of the files placed on the data source with the same file format.

Step 2: Create an external file format object

Creating an external file format is a prerequisite for creating an external table.

Step 3: Create an external table

Reference:

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

NEW QUESTION # 287

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.

Answer:

Explanation:

Explanation

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.

NEW QUESTION # 288

You are building an Azure Data Factory solution to process data received from Azure Event Hubs, and then ingested into an Azure Data Lake Storage Gen2 container.

The data will be ingested every five minutes from devices into JSON files. The files have the following naming pattern.

/{{deviceType}}/in/{{YYYY}}/{{MM}}/{{DD}}/{{HH}}/{{deviceID}}_{{YYYY}} {{MM}} {{DD}} {{HH}} {{mm}}.json You need to prepare the data for batch data processing so that there is one dataset per hour per deviceType.

The solution must minimize read times.

How should you configure the sink for the copy activity? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Explanation

Box 1: @trigger().startTime

startTime: A date-time value. For basic schedules, the value of the startTime property applies to the first occurrence. For complex schedules, the trigger starts no sooner than the specified startTime value.

Box 2: {{YYYY}}/{{MM}}/{{DD}}/{{HH}}_{{deviceType}}.json

One dataset per hour per deviceType.

Box 3: Flatten hierarchy

- FlattenHierarchy: All files from the source folder are in the first level of the target folder. The target files have autogenerated names.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipeline-execution-triggers>

<https://docs.microsoft.com/en-us/azure/data-factory/connector-file-system>

NEW QUESTION # 289

A company plans to use Platform-as-a-Service (PaaS) to create the new data pipeline process. The process must meet the following requirements:

Ingest:

Access multiple data sources.

Provide the ability to orchestrate workflow.

Provide the capability to run SQL Server Integration Services packages.

Store:

Optimize storage for big data workloads.

Provide encryption of data at rest.

Operate with no size limits.

Prepare and Train:

Provide a fully-managed and interactive workspace for exploration and visualization.

Provide the ability to program in R, SQL, Python, Scala, and Java.

Provide seamless user authentication with Azure Active Directory.

Model & Serve:

Implement native columnar storage.

Support for the SQL language

Provide support for structured streaming.

You need to build the data integration pipeline.

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

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

NEW QUESTION # 290

You have an Azure subscription that contains an Azure Synapse Analytics workspace named workspace1. Workspace1 contains a dedicated SQL pool named SQL Pool and an Apache Spark pool named sparkpool. Sparkpool1 contains a DataFrame named pyspark_df.

You need to write the contents of pyspark_df to a table in SQLPool by using a PySpark notebook.

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

NOTE: Each correct selection is worth one point.

6

Answer:

Explanation:

NEW QUESTION # 291

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