

# Exam Sample Microsoft DP-203 Questions - Exam DP-203 Syllabus

## Microsoft DP-203 Exam Questions Guide to Success

### Crack Microsoft DP-203 Exam Questions in One Shot

The DP-203 Questions are the doorway to showcasing your expertise in designing and implementing data solutions on Azure. [Microsoft DP-203 Exam Questions](#) demonstrates your ability to integrate, optimize, and manage data storage and processing solutions. Whether you want to boost your professional credibility or expand your skills, understanding the exam's structure and preparing with reliable resources is essential.

### Achieving Mastery over the DP-203 Certification Content

The DP-203 exam covers a broad range of topics, including:

- Data storage options.
- Data processing techniques.
- Monitoring Azure solutions.

Preparation becomes easier with a solid understanding of key concepts like Azure Synapse Analytics, data security, and real-time analytics pipelines.

Microsoft designs the DP-203 exam to simulate real-world scenarios, ensuring that candidates can apply theoretical knowledge practically. Using **DP-203 Exam Questions** for practice enhances your ability to tackle even the most complex scenarios effectively.

### Why the DP-203 Exam Boosts Your Career

Becoming an expert in Azure data solutions is highly in demand in today's data-driven world. Earning the DP-203 certification validates your skills and can open doors to roles such as:

- Data Engineer
- Solution Architect
- Cloud Specialist

### Reliable Study Resources for Exam Preparation

1. **PrepBolt**

DOWNLOAD the newest ExamDumpsVCE DP-203 PDF dumps from Cloud Storage for free: [https://drive.google.com/open?id=1dvY2QM5E5CSfb7TIQgVlk\\_S7pfxrYUMK](https://drive.google.com/open?id=1dvY2QM5E5CSfb7TIQgVlk_S7pfxrYUMK)

Microsoft DP-203 practice exam support team cooperates with users to tie up any issues with the correct equipment. If Data Engineering on Microsoft Azure material changes, CertsFire also issues updates free of charge for three months following the purchase of our Microsoft DP-203 Exam Questions.

## Microsoft DP-203 Exam Syllabus Topics:

| Topic   | Details                                                                                                                                                                                                                                                                                                              |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 1 | <ul style="list-style-type: none"><li>• Design and implement data storage: In this exam section, the candidates are tested for implementing a parity strategy, designing and implementing the data exploration layer, and understanding new or updated data lineage to Microsoft Purview.</li></ul>                  |
| Topic 2 | <ul style="list-style-type: none"><li>• Secure, monitor, and optimize data storage and data processing: This section of the exam covers how to implement data security, monitor data storage and data processing, and enhance and troubleshoot data storage and data processing such as failed spark jobs.</li></ul> |
| Topic 3 | <ul style="list-style-type: none"><li>• Develop data processing: This section of the exam covers topics such as ingesting and transforming data, developing a batch processing solution, developing a stream processing solution, and managing batches and pipelines.</li></ul>                                      |

Microsoft DP-203: Data Engineering on Microsoft Azure is a certification exam that validates the skills and knowledge of professionals in data engineering on Azure. DP-203 Exam covers various topics such as data storage, data processing, data transformation, and data integration using Azure services. DP-203 exam is suitable for data engineers who work with Azure services such as Azure Data Factory, Azure Databricks, Azure Stream Analytics, and Azure Synapse Analytics. Data Engineering on Microsoft Azure certification is globally recognized and is highly valued by employers, making it an excellent choice for professionals who want to advance their careers in data engineering.

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## Exam DP-203 Syllabus & Exam DP-203 Guide

Our company is widely acclaimed in the industry, and our DP-203 study materials have won the favor of many customers by virtue of their high quality. Started when the user needs to pass the qualification test, choose the DP-203 study materials, they will not have any second or even third backup options, because they will be the first choice of our practice exam materials. Our DP-203 Study Materials are devoted to research on which methods are used to enable users to pass the test faster.

## Microsoft Data Engineering on Microsoft Azure Sample Questions (Q150-Q155):

### NEW QUESTION # 150

You have an Azure Synapse Analytics serverless SQL pool, an Azure Synapse Analytics dedicated SQL pool, an Apache Spark pool, and an Azure Data Lake Storage Gen2 account.

You need to create a table in a lake database. The table must be available to both the serverless SQL pool and the Spark pool.

Where should you create the table, and Which file format should you use for data in the table? TO answer, select the appropriate options in the answer are a.

NOTE: Each correct selection is worth one point.

**Answer:**

Explanation:

### NEW QUESTION # 151

You use PySpark in Azure Databricks to parse the following JSON input.

You need to output the data in the following tabular format.

How should you complete the PySpark code? 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.

**Answer:**

Explanation:

Explanation

Graphical user interface, text, application Description automatically generated

Box 1: select

Box 2: explode

Box 3: alias

pyspark.sql.Column.alias returns this column aliased with a new name or names (in the case of expressions that return more than one column, such as explode).

Reference:

<https://spark.apache.org/docs/latest/api/python/reference/api/pyspark.sql.Column.alias.html>

<https://docs.microsoft.com/en-us/azure/databricks/sql/language-manual/functions/explode>

### NEW QUESTION # 152

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.

#### Answer:

Explanation:

Explanation:

Data storage: Azure Data Lake Store

A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With the hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

Batch processing: HD Insight Spark

Apache Spark is an open-source, parallel-processing framework that supports in-memory processing to boost the performance of big-data analysis applications.

HDInsight is a managed Hadoop service. Use it to deploy and manage Hadoop clusters in Azure. For batch processing, you can use Spark, Hive, Hive LLAP, MapReduce.

Languages: R, Python, Java, Scala, SQL

Analytic data store: SQL Data Warehouse

SQL Data Warehouse is a cloud-based Enterprise Data Warehouse (EDW) that uses Massively Parallel Processing (MPP).

SQL Data Warehouse stores data into relational tables with columnar storage.

References:

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

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/batch-processing>

<https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-overview-what-is>

### NEW QUESTION # 153

You have an Azure Synapse Analytics serverless SQL pool, an Azure Synapse Analytics dedicated SQL pool, an Apache Spark pool, and an Azure Data Lake Storage Gen2 account.

You need to create a table in a lake database. The table must be available to both the serverless SQL pool and the Spark pool.

Where should you create the table, and Which file format should you use for data in the table? TO answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

#### Answer:

Explanation:

Explanation:

The dedicated SQL pool

Apache Parquet

### NEW QUESTION # 154

You need to schedule an Azure Data Factory pipeline to execute when a new file arrives in an Azure Data Lake Storage Gen2 container.

### Which type of trigger should you use?

- A. schedule
- B. tumbling window
- C. event
- D. on-demand

**Answer: B**

Explanation:

### Explanation

Event-driven architecture (EDA) is a common data integration pattern that involves production, detection, consumption, and reaction to events. Data integration scenarios often require Data Factory customers to trigger pipelines based on events happening in storage account, such as the arrival or deletion of a file in Azure Blob Storage account.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/how-to-create-event-trigger>

### NEW QUESTION # 155

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You can choose the number of Data Engineering on Microsoft Azure (DP-203) questions and time frame of the DP-203 Desktop practice exam software as per your learning needs. Performance reports of Microsoft DP-203 Practice Test will be useful for tracking your progress and identifying areas for further study.

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