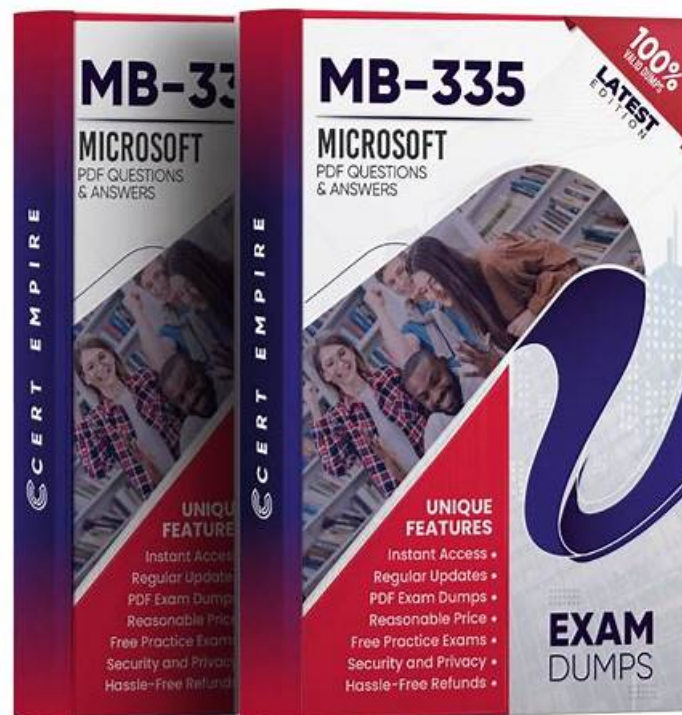


# New DP-203 Braindumps Questions | Latest Reliable DP-203 Dumps Free: Data Engineering on Microsoft Azure



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It is universally accepted that the competition in the labor market has become more and more competitive in the past years. In order to gain some competitive advantages, a growing number of people have tried their best to pass the DP-203 exam. Because a lot of people hope to get the certification by the related exam, now many leaders of companies prefer to the candidates who have the DP-203 certification. In their opinions, the certification is a best reflection of the candidates' work ability, so more and more leaders of companies start to pay more attention to the DP-203 certification of these candidates. If you also want to come out ahead, it is necessary for you to prepare for the exam and get the related certification.

The DP-203 exam is an essential certification for data engineers who want to demonstrate their expertise in designing and implementing data solutions on Microsoft Azure. DP-203 exam is designed to validate the skills of candidates in developing and implementing data pipelines, performing data transformation and integration, and implementing data storage solutions on Azure. Passing DP-203 exam also demonstrates that the candidate has an in-depth understanding of Azure data services and can design solutions that meet the business requirements of their organization.

The DP-203 exam is designed for data engineers, architects, and developers who want to demonstrate their expertise in Azure data technologies. It is intended for professionals who are responsible for designing and implementing data solutions on Azure, and who have experience working with Azure data services. Candidates who pass the DP-203 Exam will be able to demonstrate their ability to create scalable and secure data solutions that meet the needs of their organization.

Microsoft DP-203 certification exam is an excellent credential for data professionals who want to demonstrate their expertise in data engineering on Azure. Data Engineering on Microsoft Azure certification can help candidates enhance their career prospects and open up new job opportunities. With the right preparation and study, candidates can pass the Microsoft DP-203 certification exam and become certified data engineers on Azure.

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## Microsoft Data Engineering on Microsoft Azure Sample Questions (Q29-Q34):

### NEW QUESTION # 29

You are building an Azure Stream Analytics job to retrieve game data.

You need to ensure that the job returns the highest scoring record for each five-minute time interval of each game.

How should you complete the Stream Analytics query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

SELECT	<table><tr><td></td><td>▼</td></tr><tr><td colspan="2">Collect(Score)</td></tr><tr><td colspan="2">CollectTop(1) OVER(ORDER BY Score Desc)</td></tr><tr><td colspan="2">Game, MAX(Score)</td></tr><tr><td colspan="2">TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)</td></tr></table>		▼	Collect(Score)		CollectTop(1) OVER(ORDER BY Score Desc)		Game, MAX(Score)		TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)		as HighestScore
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	▼											
Game												
Hopping(minute,5)												
Tumbling(minute,5)												
Windows(TumblingWindow(minute,5),Hopping(minute,5))												

Answer:

Explanation:

SELECT	<table><tr><td></td><td>▼</td></tr><tr><td colspan="2">Collect(Score)</td></tr><tr><td colspan="2">CollectTop(1) OVER(ORDER BY Score Desc)</td></tr><tr><td colspan="2">Game, MAX(Score)</td></tr><tr><td colspan="2">TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)</td></tr></table>		▼	Collect(Score)		CollectTop(1) OVER(ORDER BY Score Desc)		Game, MAX(Score)		TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)		as HighestScore
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TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)												
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GROUP BY	<table><tr><td></td><td>▼</td></tr><tr><td colspan="2">Game</td></tr><tr><td colspan="2">Hopping(minute,5)</td></tr><tr><td colspan="2">Tumbling(minute,5)</td></tr><tr><td colspan="2">Windows(TumblingWindow(minute,5),Hopping(minute,5))</td></tr></table>		▼	Game		Hopping(minute,5)		Tumbling(minute,5)		Windows(TumblingWindow(minute,5),Hopping(minute,5))		
	▼											
Game												
Hopping(minute,5)												
Tumbling(minute,5)												
Windows(TumblingWindow(minute,5),Hopping(minute,5))												

Reference:

<https://docs.microsoft.com/en-us/stream-analytics-query/topone-azure-stream-analytics>

<https://docs.microsoft.com/en-us/azure/stream-analytics/stream-analytics-window-functions>

### NEW QUESTION # 30

You are designing the folder structure for an Azure Data Lake Storage Gen2 account.

You identify the following usage patterns:

\* Users will query data by using Azure Synapse Analytics serverless SQL pools and Azure Synapse Analytics serverless Apache

Spark pods.

- \* Most queries will include a filter on the current year or week.

- \* Data will be secured by data source.

You need to recommend a folder structure that meets the following requirements:

- \* Supports the usage patterns

- \* Simplifies folder security

- \* Minimizes query times

Which folder structure should you recommend?

- A. 
- B. 
- C. 
- D. 
- E. 

**Answer: C**

Explanation:

Data will be secured by data source. -> Use DataSource as top folder.

Most queries will include a filter on the current year or week -> Use \YYYY\WW as subfolders.

Common Use Cases

A common use case is to filter data stored in a date (and possibly time) folder structure such as /YYYY/MM/DD/ or /YYYY/MM/YYYY-MM-DD/. As new data is generated/sent/copied/moved to the storage account, a new folder is created for each specific time period. This strategy organises data into a maintainable folder structure.

Reference: <https://www.serverlesssql.com/optimisation/azurestoragefilteringusingfilepath/>

## NEW QUESTION # 31

You store files in an Azure Data Lake Storage Gen2 container. The container has the storage policy shown in the following exhibit.



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

graphic.

NOTE: Each correct selection Is worth one point.

The files are [answer choice] after 30 days:

	▼
deleted from the container	
moved to archive storage	
moved to cool storage	
moved to hot storage	

The storage policy applies to [answer choice]:

	▼
container1/contoso.csv	
container1/docs/contoso.json	
container1/mycontoso/contoso.csv	

Answer:

Explanation:

The files are [answer choice] after 30 days:

	▼
deleted from the container	
moved to archive storage	
moved to cool storage	
moved to hot storage	

The storage policy applies to [answer choice]:



Microsoft

	▼
container1/contoso.csv	
container1/docs/contoso.json	
container1/mycontoso/contoso.csv	

Explanation:

The files are [answer choice] after 30 days:

	▼
deleted from the container	
moved to archive storage	
moved to cool storage	
moved to hot storage	

The storage policy applies to [answer choice]:



Microsoft

	▼
container1/contoso.csv	
container1/docs/contoso.json	
container1/mycontoso/contoso.csv	

Box 1: moved to cool storage

The ManagementPolicyBaseBlob.TierToCool property gets or sets the function to tier blobs to cool storage.

Support blobs currently at Hot tier.

Box 2: container1/contoso.csv

As defined by prefixMatch.

prefixMatch: An array of strings for prefixes to be matched. Each rule can define up to 10 case-sensitive prefixes. A prefix string must start with a container name.

Reference:

<https://docs.microsoft.com/en-us/dotnet/api/microsoft.azure.management.storage.fluent.models.managementpolicybaseblob.tiertocool>

managementpolicybaseblob.tiertocool



### NEW QUESTION # 32

You have an Azure Active Directory (Azure AD) tenant that contains a security group named Group1. You have an Azure Synapse Analytics dedicated SQL pool named dw1 that contains a schema named schema1.

You need to grant Group1 read-only permissions to all the tables and views in schema1. The solution must use the principle of least privilege.

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.

Actions	Answer Area
Create a database role named Role1 and grant Role1 SELECT permissions to schema1.	
Create a database role named Role1 and grant Role1 SELECT permissions to dw1.	
Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1.	
Create a database user in dw1 that represents Group1 and uses the FROM EXTERNAL PROVIDER clause.	
Assign Role1 to the Group1 database user.	

**Answer:**

Explanation:

Actions	Answer Area
Create a database role named Role1 and grant Role1 SELECT permissions to schema1.	Create a database role named Role1 and grant Role1 SELECT permissions to schema1.
Create a database role named Role1 and grant Role1 SELECT permissions to dw1.	
Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1.	Assign Role1 to the Group1 database user.
Create a database user in dw1 that represents Group1 and uses the FROM EXTERNAL PROVIDER clause.	Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1.
Assign Role1 to the Group1 database user.	

Explanation

Create a database role named Role1 and grant Role1 SELECT permissions to schema1.
Assign Role1 to the Group1 database user.
Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1.

Step 1: Create a database role named Role1 and grant Role1 SELECT permissions to schema You need to grant Group1 read-only permissions to all the tables and views in schema1.

Place one or more database users into a database role and then assign permissions to the database role.

Step 2: Assign Role1 to the Group database user

Step 3: Assign the Azure role-based access control (Azure RBAC) Reader role for dw1 to Group1 Reference:

<https://docs.microsoft.com/en-us/azure/data-share/how-to-share-from-sql>

### NEW QUESTION # 33

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.

Architecture requirement	Technology
Data storage	<div><div></div><div><div>Azure SQL Database</div><div>Azure Blob Storage</div><div>Azure Cosmos DB</div><div>Azure Data Lake Store</div></div></div>
Batch processing	<div><div></div><div><div>HDInsight Spark</div><div>HDInsight Hadoop</div><div>Azure Databricks</div><div>HDInsight Interactive Query</div></div></div>
Analytical data store	<div><div></div><div><div>HDInsight HBase</div><div>Azure SQL Data Warehouse</div><div>Azure Analysis Services</div><div>Azure Cosmos DB</div></div></div>

Answer:

Explanation:

## Architecture requirement

## Technology

### Data storage

	▼
Azure SQL Database	
Azure Blob Storage	
Azure Cosmos DB	
Azure Data Lake Store	

### Batch processing

	▼
HDInsight Spark	
HDInsight Hadoop	
Azure Databricks	
HDInsight Interactive Query	

### Analytical data store

	▼
HDInsight HBase	
Azure SQL Data Warehouse	
Azure Analysis Services	
Azure Cosmos DB	

Reference:

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

<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 # 34

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Though there are three different versions of our DP-203 practice guide to cater to all needs of our worthy customers: the PDF, Software and APP online. I love the Software version the most. The software version of our DP-203 exam questions can be used in the Windows system, which is designed by the experts from our company. The functions of the software version are very special. For example, the software version of our DP-203 Learning Engine can simulate the real exam environment.

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