

## DP-900 Dumps

### Microsoft Azure Data Fundamentals

<https://www.certleader.com/DP-900-dumps.html>



NEW QUESTION 1

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input type="radio"/>
Azure Data Studio can be used to restore a database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input checked="" type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Studio can be used to restore a database.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 2

You need to query a table named Products in an Azure SQL database.  
Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution. (Choose three.)  
NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.  
B. You must have SELECT access to the Products table.  
C. You must have a user in the database.  
D. You must be assigned the Contributor role for the resource group that contains the database.  
E. Your IP address must be allowed to connect to the database.

Answer: ACE

NEW QUESTION 3

Match the tools to the appropriate descriptions.  
To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Tool	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Tool	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Tool	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Tool	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Microsoft SQL Server Data Tools (SSDT)	A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Azure Data Studio	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Microsoft SQL Server Management Studio (SSMS)	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Microsoft Visual Studio Code	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

NEW QUESTION 4

To complete the sentence, select the appropriate option in the answer area.

	▼
A heap	
A stored procedure	
A view	
An index	

is a virtual table that contains content defined by a query.

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

	▼
A heap	
A stored procedure	
A view	
An index	

is a virtual table that contains content defined by a query.

#### NEW QUESTION 5

To complete the sentence, select the appropriate option in the answer area.

You can query a graph database in Azure Cosmos DB

	▼
as a JSON document by using a SQL-like language.	
as a partitioned row store by using Cassandra Query Language (CQL).	
as a partitioned row store by using Language-Integrated Query (LINQ).	
as nodes and edges by using the Gremlin language.	

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

You can query a graph database in Azure Cosmos DB

	▼
as a JSON document by using a SQL-like language.	
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as nodes and edges by using the Gremlin language.	

#### NEW QUESTION 6

For each of the following statements. select Yes if the statement is true. Otherwise, select No. NOTE Each correct selection is worth one point.


Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area		Statements		Yes	No
				<input checked="" type="radio"/>	<input type="radio"/>
		Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.		<input type="radio"/>	<input checked="" type="radio"/>
		Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.		<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 7

What are two characteristics of real-time data processing? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

- A. Data is processed as it is created.
- B. Low latency is expected
- C. High latency acceptable
- D. Data is processed periodically

**Answer:** BD

#### NEW QUESTION 8

You need to design and model a database by using a graphical tool that supports project-oriented offline database development. What should you use?

- A. Microsoft SQL Server Data Tools (SSDT)
- B. Microsoft SQL Server Management Studio (SSMS)
- C. Azure Databricks
- D. Azure Data Studio

**Answer:** A

#### NEW QUESTION 9

You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database. Which type of authentication should you use?

- A. service principal authentication
- B. Azure Active Directory (Azure AD) authentication
- C. SQL authentication
- D. certificate authentication

**Answer:** B

#### NEW QUESTION 10

What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

- A. native support for cross-database queries and transactions
- B. built-in high availability
- C. system-initiated automatic backups
- D. support for encryption at rest

**Answer:** A

#### NEW QUESTION 10

You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database. You need to embed documents and query results into a SQL notebook. What should you use?

- A. Microsoft SQL Server Management Studio (SSMS)
- B. Azure Data Studio
- C. Azure CLI
- D. Azure PowerShell

**Answer:** B

#### NEW QUESTION 11

When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

- A. multi-master replication
- B. Availability Zones
- C. automatic failover
- D. the strong consistency level

**Answer:** B



#### NEW QUESTION 16

You have an application that runs on Windows and requires access to a mapped drive. Which Azure service should you use?

- A. Azure Cosmos DB
- B. Azure Table storage
- C. Azure Files
- D. Azure Blob Storage

**Answer:** A

#### NEW QUESTION 19

To complete the sentence, select the appropriate option in the answer area.

The massively parallel processing (MPP) engine of Azure Synapse Analytics

<input type="text"/>	▼
distributes processing across compute nodes.	
distributes processing across control nodes.	
redirects client connections across compute nodes.	
redirects client connections across control nodes.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

The massively parallel processing (MPP) engine of Azure Synapse Analytics

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distributes processing across compute nodes.	
distributes processing across control nodes.	
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#### NEW QUESTION 23

Which statement is an example of Data Manipulation Language (DML)?

- A. INSERT
- B. DISABLE
- C. ALTER
- D. DROP

**Answer:** C

#### NEW QUESTION 27

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. JOIN
- C. MERGE
- D. CREATE

**Answer:** D

#### NEW QUESTION 29

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 31

To complete the sentence, select the appropriate option in the answer area.

Transparent Data Encryption (TDE) encrypts

☐ a column to protect data at rest and in transit.  
☐ queries and their results in order to protect data in transit.  
☒ the database to protect data at rest.  
☐ the server to protect data at rest.

A. Mastered

B. Not Mastered

**Answer:** A

**Explanation:**

Transparent Data Encryption (TDE) encrypts

☐ a column to protect data at rest and in transit.  
☐ queries and their results in order to protect data in transit.  
☒ the database to protect data at rest.  
☐ the server to protect data at rest.

#### NEW QUESTION 32

Which setting can only be configured during the creation of an Azure Cosmos DB account?

- A. geo-redundancy
- B. multi-region writes
- C. production or non-reduction account type
- D. API

**Answer:** C

#### NEW QUESTION 34

You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours. You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact. What should you do on the SQL pool?

- A. Scale down the data warehouse units (DWUs).
- B. Pause the pool.
- C. Create a user-defined restore point.
- D. Delete the pool

**Answer:** B

#### NEW QUESTION 35

Which type of non-relational data store supports a flexible schema, stores data as JSON files, and stores the all the data for an entity in the same document?

- A. document
- B. columnar
- C. graph
- D. time series

**Answer:** A

**NEW QUESTION 40**

Which Azure storage solution provides native support for POSIX-compliant access control lists (ACLs)?

- A. Azure Queue storage
- B. Azure Data Lake Storage
- C. Azure table storage
- D. Azure Files

**Answer: C**

**NEW QUESTION 44**

Match the types of workloads the appropriate scenario.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once or not at all.

NOTE: Each correct match is worth one point.

**Workload Types**

Batch

Micro-batch

Streaming

**Answer Area**

Workload Type

Data for a product catalog will be loaded every 12 hours to a data warehouse

Workload Type

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Workload Type

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Workload Types**

Batch

Micro-batch

Streaming

**Answer Area**

Batch

Data for a product catalog will be loaded every 12 hours to a data warehouse

Streaming

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Micro-batch

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

**NEW QUESTION 49**

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract load, and transform (ELT) process.

Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct. Each location may be used 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.

**Locations**

An in-memory data integration tool

The CRM system

The data warehouse

**Answer Area**

Extract

Location

Load

Location

Transform

Location

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Locations**

An in-memory data integration tool

The CRM system

The data warehouse

**Answer Area**

Extract

The data warehouse

Load

An in-memory data integration tool

Transform

The CRM system

**NEW QUESTION 51**

At which level in Azure Cosmos DB can you configure multiple write regions and read regions?

- A. database
- B. partition
- C. collection
- D. account

Answer: C

NEW QUESTION 55

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input checked="" type="radio"/>	<input type="radio"/>
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NEW QUESTION 60

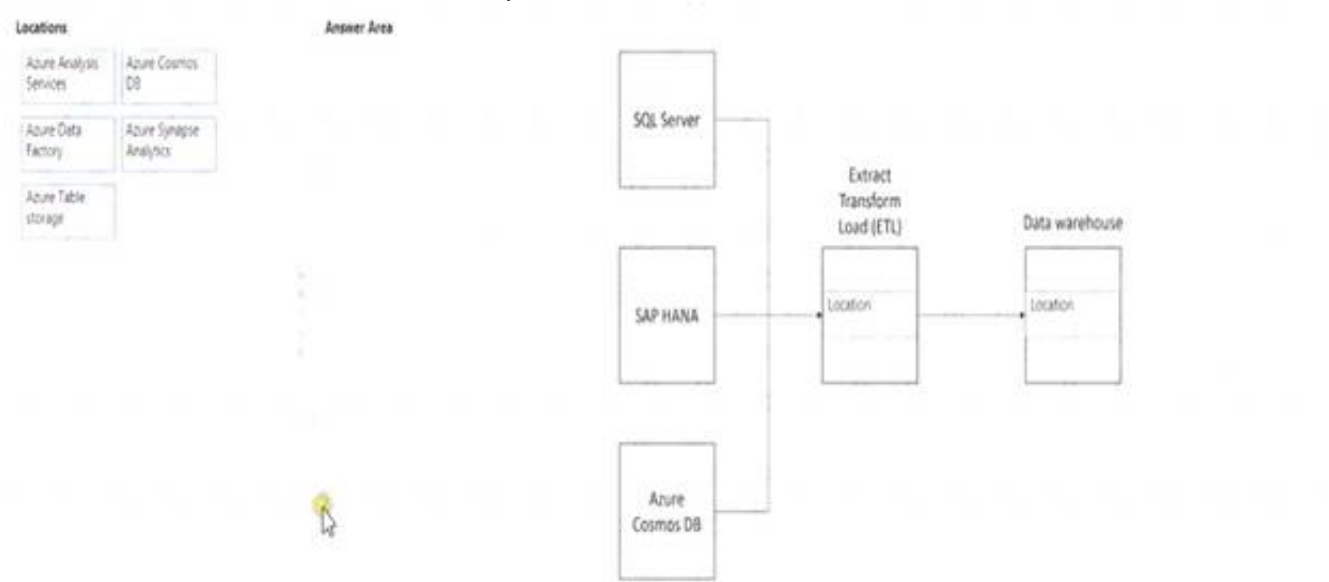
You need to recommend a non-relational data store that is optimized for storing and retrieving files, videos, audio stream, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file. Which type of data store should you recommend?

- A. document
- B. key/value
- C. object
- D. columnar

Answer: C

NEW QUESTION 64

Match the Azure services to the appropriate locations in the architecture. To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

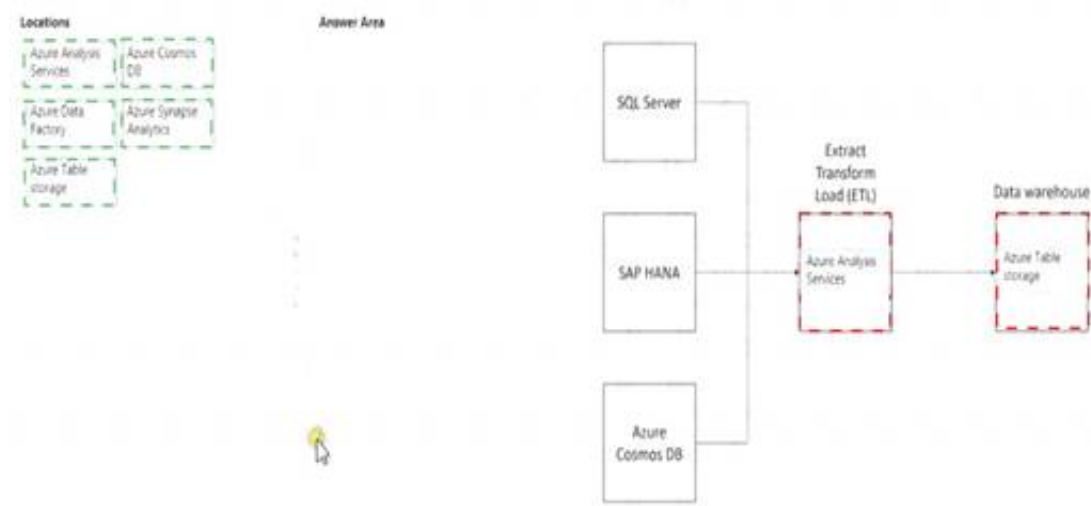




- A. Mastered  
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 69

When you create an Azure SQL database, which account can always connect to the database ?

- A. the Azure Active director/ (Azure AO) account that created the database  
B. the Azure Active Directly Azure AD) administrator account  
C. the sa account  
D. the server admin login account of the logical server

Answer: B

NEW QUESTION 70

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Relational database tables contain columns and rows.	<input type="radio"/>	<input type="radio"/>
Indexes in a relational database describe the data types in a table.	<input type="radio"/>	<input type="radio"/>
A database view is a virtual table whose content is defined by a query.	<input type="radio"/>	<input type="radio"/>

- A. Mastered  
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Answer: A

Explanation:

Statements	Yes	No
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Indexes in a relational database describe the data types in a table.	<input checked="" type="radio"/>	<input type="radio"/>
A database view is a virtual table whose content is defined by a query.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 72

You need to create an Azure Storage account.  
Data in the account must replica outside the Azure region automatically.  
Which two types of replica can you us for the storage account? Each correct answer presents a complete solution.  
NOTE: Each correct selection is worth one pint.

- A. read-access geo-redundant storage (RA\_GRS)  
B. zone-redundant storage (ZRS)  
C. geo-redundant storage (GRS)  
D. locally-redundant storage (LRS)

Answer: AC

NEW QUESTION 77

To complete the sentence, select the appropriate option in the answer area.

Answer Area

Relational data is stored in

a file system as unstructured data.

a hierarchal folder structure.

a tabular form of rows and columns.

comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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a tabular form of rows and columns.

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NEW QUESTION 82

To complete the sentence, select the appropriate option in the answer area.

In batch processing,

data is always inserted one row at a time.

data is processed in real-time.

latency is expected.

processing car only execute serially.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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data is processed in real-time.

latency is expected.

processing car only execute serially.

NEW QUESTION 84

To complete the sentence, select the appropriate option in the answer area.

Answer Area

A Microsoft Power BI

dashboard

interactive report

paginated report

subscription

enables users to create highly formatted.

fixed-layout documents o

archiving.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Paginated Reports  
<https://powerbi.microsoft.com/en-us/blog/announcing-paginated-reports-in-power-bi-general-availability/>

NEW QUESTION 86

You are deploying a software as a service (SaaS) application that requires a relational database for Online Transaction Processing (OLTP). Which Azure service should you use to support the application?

- A. Azure Cosmos D3
- B. Azure Synapse Analytics
- C. Azure HCMmtghi
- D. Azure SQL Database

**Answer:** B

**NEW QUESTION 90**

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Processing salary payments once a month is an example of a batch workload.	<input type="radio"/>	<input type="radio"/>
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
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**Answer:** A

**Explanation:**

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Processing salary payments once a month is an example of a batch workload.	<input checked="" type="radio"/>	<input type="radio"/>
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**NEW QUESTION 92**

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