



## Microsoft

### Exam Questions DP-900

Microsoft Azure Data Fundamentals

**NEW QUESTION 1**

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

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:**

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.

**NEW QUESTION 2**

A bar chart showing year-to date sales by region is an example of which type of analytics?

- A. descriptive
- B. diagnostic
- C. predictive
- D. prescriptive

**Answer: B**

**NEW QUESTION 3**

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. complete control over backup and restore processes
- B. access to the latest features
- C. in-database machine learning services
- D. reduced administrative effort for managing the server infrastructure

**Answer: BC**

**NEW QUESTION 4**

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

Batch workloads

- process data in memory, row-by-row.
- collect and process data at most once a day.
- process data as new data is received in near real-time.
- collect data and then process the data when a condition is met.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Batch workloads

- process data in memory, row-by-row.
- collect and process data at most once a day.
- process data as new data is received in near real-time.
- collect data and then process the data when a condition is met.

**NEW QUESTION 5**

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

Answer Area

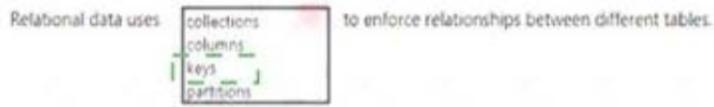


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



**NEW QUESTION 6**

Match the types of activities to the appropriate Azure Data Factory activities.

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

NOTE: Each correct match is worth one point.

**Activity Types**

- Control
- Data movement
- Data transformation

**Answer Area**

- Copy
- Mapping data flow
- Until

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

**Activity Types**

- Control
- Data movement
- Data transformation

**Answer Area**

- Data movement
- Data transformation
- Control

**NEW QUESTION 7**

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. <input checked="" type="checkbox"/>           |
| as a partitioned row store by using Cassandra Query Language (CQL). <input type="checkbox"/>   |
| as a partitioned row store by using Language-Integrated Query (LINQ). <input type="checkbox"/> |
| as nodes and edges by using the Gremlin language. <input type="checkbox"/>                     |

**NEW QUESTION 8**

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

An extract, transform, and load (ETL) process requires

|   |
|---|
| <input type="checkbox"/> a matching schema in the data source and the data target.                  |
| <input type="checkbox"/> a target data store powerful enough to transform data.                     |
| <input type="checkbox"/> data that is fully processed before being loaded to the target data store. |
| <input type="checkbox"/> that the data target be a relational database.                             |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

An extract, transform, and load (ETL) process requires

|  |
|--|
| <input type="checkbox"/> a matching schema in the data source and the data target.                                     |
| <input type="checkbox"/> a target data store powerful enough to transform data.  |
| <input type="checkbox"/> data that is fully processed before being loaded to the target data store.                    |
| <input checked="" type="checkbox"/> that the data target be a relational database. <input checked="" type="checkbox"/> |

**NEW QUESTION 9**

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                               |
|--|----------------------------------|----------------------------------|
| Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings. | <input checked="" 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 checked="" type="radio"/> |
| All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.  | <input checked="" type="radio"/> | <input type="radio"/>            |

**NEW QUESTION 10**

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                    |
|---|-----------------------|-----------------------|
| Normalization involves eliminating relationships between database tables. | <input type="radio"/> | <input type="radio"/> |
| Normalizing a database reduces data redundancy.                           | <input type="radio"/> | <input type="radio"/> |
| Normalization improves data integrity.                                    | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| Normalization involves eliminating relationships between database tables. | <input type="radio"/>            | <input checked="" type="radio"/> |
| Normalizing a database reduces data redundancy.                           | <input checked="" type="radio"/> | <input type="radio"/>            |
| Normalization improves data integrity.                                    | <input checked="" type="radio"/> | <input type="radio"/>            |

**NEW QUESTION 10**

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 Synapse Analytics scales storage and compute independently.       | <input type="radio"/> | <input type="radio"/> |
| Azure Synapse Analytics can be paused to reduce compute costs.          | <input type="radio"/> | <input type="radio"/> |
| An Azure Synapse Analytics data warehouse has a fixed storage capacity. | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| Azure Synapse Analytics scales storage and compute independently.       | <input checked="" type="radio"/> | <input type="radio"/>            |
| Azure Synapse Analytics can be paused to reduce compute costs.          | <input checked="" type="radio"/> | <input type="radio"/>            |
| An Azure Synapse Analytics data warehouse has a fixed storage capacity. | <input type="radio"/>            | <input checked="" type="radio"/> |

**NEW QUESTION 13**

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 15**

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

ANSWER AREA

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of  analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of  analytics.

**NEW QUESTION 18**

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

Answer Area

Transparent Data Encryption (TDE) encrypts

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Transparent Data Encryption (TDE) encrypts

**NEW QUESTION 20**

You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. the throughput
- B. the read region
- C. the partition key
- D. the API

Answer: AC

**NEW QUESTION 25**

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 28**

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 30**

Match the types of analytics that can be used to answer the business questions. To answer, drag the appropriate analytics type from the column on the left to its question on the right. Each analytics type 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 31**

Match the types of workloads to the appropriate scenarios. 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.

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**NEW QUESTION 36**

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 37**

You have a transactional application that stem data in an Azure SQL managed instance. When should you implement a read-only database replica?

- A. You need to generate reports without affecting the transactional workload.
- B. You need to audit the transactional application.
- C. You need to implement high availability in the event of a regional outage
- D. You need to improve the recovery point objective (RPO).

**Answer:** C

**NEW QUESTION 38**

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" value=""/>                      |
| 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

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

**NEW QUESTION 39**

When can you use an Azure Resource Manager template?

- A. to automate the creation of an interdependent group of Azure resources in a repeatable way
- B. to automate the creation of an interdependent and develop can deploy from the Azure portal
- C. To provision Azure subscriptions and apply policies for multi-tenant deployments
- D. To set complex permissions automatically on existing objects in an Azure subscription

**Answer:** C

**NEW QUESTION 43**

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

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

**Answer:** D

**NEW QUESTION 47**

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 51**

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

Answer Area

An extract, load, and transform (ELT) process requires

a data pipeline that includes a transformation engine.  
 a separate transformation engine.  
 a target data store powerful enough to transform data.  
 data that is fully processed before being loaded to the target data store.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An extract, load, and transform (ELT) process requires

a data pipeline that includes a transformation engine.  
 a separate transformation engine.  
 a target data store powerful enough to transform data.  
 data that is fully processed before being loaded to the target data store.

**NEW QUESTION 56**

Match the types of data to the appropriate Azure data services.

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

NOTE: Each correct match is worth one point.

Data Types

Image files

Key/value pairs

Relationships between employees

Answer Area

Data Type

Data Type

Data Type

Azure Blob storage

Azure Cosmos DB Gremlin API

Azure Table storage

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Data Types

Image files

Key/value pairs

Relationships between employees

Answer Area

Image files

Key/value pairs

Relationships between employees

Azure Blob storage

Azure Cosmos DB Gremlin API

Azure Table storage

**NEW QUESTION 59**

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 64**

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                    |
|---|----------------------------------|-----------------------|
| A pipeline is a representation of a data structure within Azure Data Factory. | <input checked="" type="radio"/> | <input type="radio"/> |
| Azure Data Factory pipelines can execute other pipelines.                     | <input type="radio"/>            | <input type="radio"/> |
| A processing step within an Azure Data Factory pipeline is an activity.       | <input type="radio"/>            | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

| Statements  | Yes                              | No                    |
|---|----------------------------------|-----------------------|
| A pipeline is a representation of a data structure within Azure Data Factory. | <input checked="" type="radio"/> | <input type="radio"/> |
| Azure Data Factory pipelines can execute other pipelines.                     | <input type="radio"/>            | <input type="radio"/> |
| A processing step within an Azure Data Factory pipeline is an activity.       | <input type="radio"/>            | <input type="radio"/> |

**NEW QUESTION 67**

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 71**

Which Azure Data Factory component provides the compute environment for activities?

- A. a linked service
- B. an integration runtime
- C. a control flow
- D. a pipeline

Answer: A

**NEW QUESTION 74**

You need to use Transact-SQL to query files in Azure Data Lake Storage from an Azure Synapse Analytics data warehouse. What should you use to query the files?

- A. Azure Functions
- B. Microsoft SQL Server Integration Services (SSIS)
- C. PolyBase
- D. Azure Data Factory

Answer: C

**NEW QUESTION 76**

Match the Azure Cosmos DB APIs to the appropriate data structures.

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

| APIs          | Answer Area |
|---------------|-------------|
| Cassandra API |             |
| Gremlin API   |             |
| MongoDB API   |             |
| Table API     |             |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

| APIs          | Answer Area |
|---------------|-------------|
| Cassandra API | Gremlin API |
| Gremlin API   | MongoDB API |
| MongoDB API   | Table API   |
| Table API     |             |

**NEW QUESTION 80**

Which Azure Data Factory component initiates the execution of a pipeline?

- A. a control flow
- B. a trigger
- C. a parameter
- D. an activity

Answer: B

**NEW QUESTION 83**

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

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a

▼

graph.

table.

partition key.

document.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a

|                |
|----------------|
| graph.         |
| table.         |
| partition key. |
| document.      |

**NEW QUESTION 85**

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 SQL managed instance supports cross-database queries.                                     | <input type="radio"/> | <input type="radio"/> |
| Azure SQL managed instance supports user-created backups.                                       | <input type="radio"/> | <input type="radio"/> |
| Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine. | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| Azure SQL managed instance supports cross-database queries.                                     | <input checked="" type="radio"/> | <input type="radio"/>            |
| Azure SQL managed instance supports user-created backups.                                       | <input type="radio"/>            | <input checked="" type="radio"/> |
| Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine. | <input checked="" type="radio"/> | <input type="radio"/>            |

**NEW QUESTION 89**

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution. (Choose three.)  
 NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. heavy writes and moderate reads
- C. light writes and heavy reads
- D. schema on write
- E. schema on read
- F. normalized data

**Answer: BDE**

**NEW QUESTION 91**

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

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

|  |
|--|
| enable the hierarchical namespace.                             |
| set Account kind to BlobStorage.                               |
| set Performance to Premium.                                    |
| set Replication to Read-access geo-redundant storage (RA-GRS). |

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

|  |
|--|
| enable the hierarchical namespace.                             |
| set Account kind to BlobStorage.                               |
| set Performance to Premium.                                    |
| set Replication to Read-access geo-redundant storage (RA-GRS). |

**NEW QUESTION 96**

What should you use to build a Microsoft Power BI paginated report?

- A. Power BI report Builder
- B. Power BI Desktop
- C. Charticator
- D. the Power BI service

**Answer: B**

**NEW QUESTION 97**

You need to store data in Azure Blob storage for seven years to meet your company's compliance requirements. The retrieval time of the data is unimportant. The solution must minimize storage costs. Which storage tier should you use?

- A. Archive
- B. Hot
- C. Cool

**Answer: A**

**NEW QUESTION 98**

You have an e-commerce application that reads and writes data to an Azure SQL database. Which type of processing does the application use?

- A. stream processing
- B. batch processing
- C. Online Analytical Processing (OLTP)
- D. Online Transaction Processing (OLTP)

**Answer: D**

**NEW QUESTION 99**

Your company needs to design a database that shows how changes traffic in one area of a network affect other components on the network. Which type of data store should you use?

- A. Key/value
- B. Graph
- C. Document
- D. columnar

**Answer: B**

**NEW QUESTION 103**

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 104**

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"/> |
| You can use blob, table, and file storage in the same Azure Storage account.                               | <input checked="" type="radio"/> | <input type="radio"/> |
| You implement Azure Data Lake Storage by creating an Azure Storage account.                                | <input checked="" type="radio"/> | <input type="radio"/> |

**NEW QUESTION 105**

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 109**

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                    |
|--|-----------------------|-----------------------|
| If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates. | <input type="radio"/> | <input type="radio"/> |
| If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.                       | <input type="radio"/> | <input type="radio"/> |
| If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.     | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

| Statements   | Yes                              | No                               |
|--|----------------------------------|----------------------------------|
| If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates. | <input checked="" type="radio"/> | <input type="radio"/>            |
| If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.                       | <input type="radio"/>            | <input checked="" type="radio"/> |
| If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.     | <input checked="" type="radio"/> | <input type="radio"/>            |

**NEW QUESTION 111**

Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance. Which Azure service should you use?

- A. Azure HDInsight
- B. Azure SQL Database
- C. Azure Cosmos DB
- D. SQL Server on Azure virtual machines

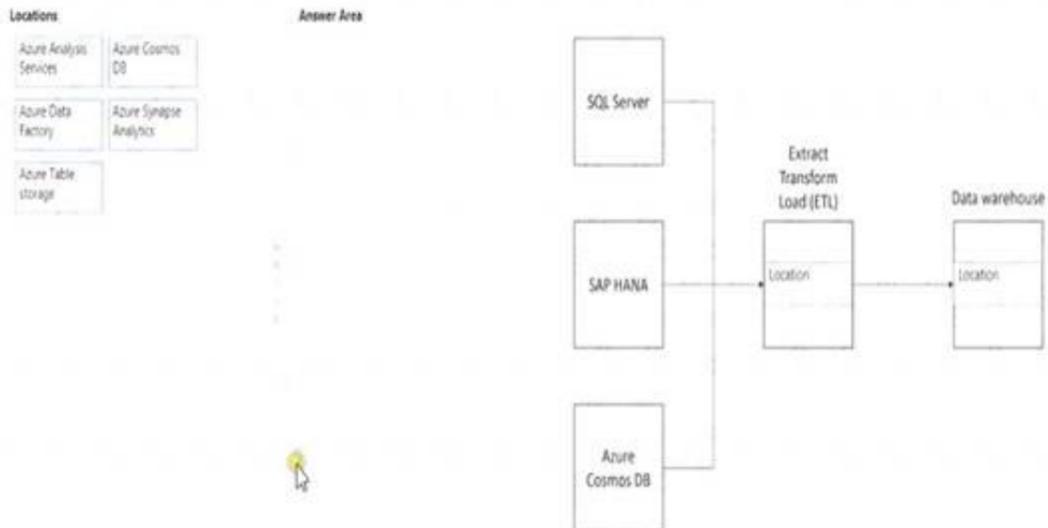
Answer: B

**NEW QUESTION 113**

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.

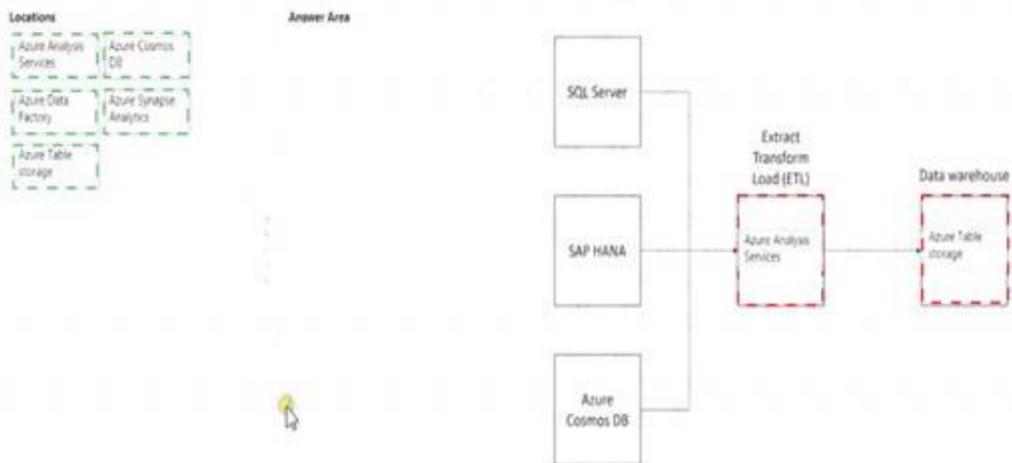
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**



**NEW QUESTION 117**

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

By default, each Azure SQL database is protected by

|                                 |
|---------------------------------|
| a network security group (NSG). |
| a server-level firewall.        |
| Azure Firewall.                 |
| Azure Front Door.               |

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

By default, each Azure SQL database is protected by

|                                 |
|---------------------------------|
| a network security group (NSG). |
| a server-level firewall.        |
| Azure Firewall.                 |
| Azure Front Door.               |

**NEW QUESTION 119**

Your company is designing a data store that will contain student data. The data has the following format.

| StudentNumber | StudentInformation   |
|---------------|--|
| 7634634       | First name: Ben<br>Last: Smith<br>Preferred Name: Benjamin                                     |
| 7634634       | First Name: Dominik<br>Last Name: Paiha<br>Email Address: dpaiha@contoso.com<br>MCP ID: 931817 |
| 7634636       | First Name: Reshma<br>Last Name: Patel<br>Phone number: 514-555-1101                           |
| 7634637       | First Name: Yun-Feng<br>Last Name: Peng  |

Which type of data store should you use?

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

**Answer: D**

**NEW QUESTION 122**

You have the following JSON document.

```

"customer" : {
  "first name" : "Ben",
  "last name" : "Smith",
  "address" : {
    "line 1" : "161 Azure Ln",
    "line 2" : "Palo Alto",
    "ZIP code" : "54762"
  },
  "social media": [
    {
      "service" : "twitter",
      "handle" : "@bensmith"
    },
    {
      "service" : "linkedin",
      "handle" : "bensmith"
    }
  ],
  "phone numbers": [
    {
      "type" : "mobile",
      "number" : "555-555-555"
    }
  ]
}

```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the JSON document.  
 NOTE: Each correct selection is worth one point.

Customer is [answer choice].  
Address is [answer choice].  
Social media is [answer choice].

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Customer is [answer choice].  
Address is [answer choice].  
Social media is [answer choice].

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

|                 |   |
|-----------------|---|
|                 | ▼ |
| a nested array  |   |
| a nested object |   |
| a root object   |   |

**NEW QUESTION 123**

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

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation.

|  |
|--|
| enable the hierarchical namespace                              |
| set Account kind to BlobStorage.                               |
| set Performance to Premium.                                    |
| set Replication to Read-access geo-redundant storage (RA-GRS). |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation.

|  |
|--|
| enable the hierarchical namespace                              |
| set Account kind to BlobStorage.                               |
| set Performance to Premium.                                    |
| set Replication to Read-access geo-redundant storage (RA-GRS). |

**NEW QUESTION 128**

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                    |
|---|-----------------------|-----------------------|
| 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
- B. Not Mastered

Answer: A

Explanation:

Answer Area

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| Relational database tables contain columns and rows.                    | <input checked="" type="radio"/> | <input type="radio"/>            |
| 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 132**

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 133**

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

A relational database must be used when

▼

a dynamic schema is required.

data will be stored as key/value pairs.

storing large images and videos.

strong consistency guarantees are required.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A relational database must be used when

▼

a dynamic schema is required.

data will be stored as key/value pairs.

storing large images and videos.

strong consistency guarantees are required.

**NEW QUESTION 137**

You have a table named Sales that contains the following data.

| SalesDate | SalesAmount | ProductID |
|-----------|-------------|-----------|
| 4-Apr-20  | \$2,000     | 1         |
| 5-Apr-20  | \$40        | 2         |
| 5-Apr-20  | \$2,300     | 1         |
| 6-Apr-20  | \$40        | 3         |
| 6-Apr-20  | \$200       | 4         |

You need to query the table to return the average sales amount day. The output must produce the following results.

| SalesDate | AVG(SalesAmount) |
|-----------|------------------|
| 4-Apr-20  | \$2,000          |
| 5-Apr-20  | \$1,170          |
| 6-Apr-20  | \$120            |

How should you complete the query? 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.

Values

CREATE    GROUP BY    ORDER BY    SELECT

Answer Area

Value    SalesDate, AVG(SalesAmount)

FROM sales

Value    SalesDate

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

CREATE    GROUP BY    ORDER BY    SELECT

Answer Area

CREATE    SalesDate, AVG(SalesAmount)

FROM sales

SELECT    SalesDate

**NEW QUESTION 139**

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

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

**NEW QUESTION 143**

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

In Azure Data Factory, you can use \_\_\_\_\_ to orchestrate pipeline

- a control flow
- a dataset
- a linked service
- an integration runtime

activities that depend on the output of other pipeline activities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In Azure Data Factory, you can use \_\_\_\_\_ to orchestrate pipeline

- a control flow
- a dataset
- a linked service
- an integration runtime

activities that depend on the output of other pipeline activities.

**NEW QUESTION 145**

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
- B. Not Mastered

Answer: A

Explanation:

| Statements   | Yes                              | No                               |
|--|----------------------------------|----------------------------------|
| Processing salary payments once a month is an example of a batch workload.   | <input checked="" type="radio"/> | <input type="radio"/>            |
| A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.                       | <input checked="" 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 checked="" type="radio"/> |

NEW QUESTION 148

.....

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