# DP-900 Dumps

# Microsoft Azure Data Fundamentals

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

**NEW QUESTION 1**

You are reviewing the data model shown in the following exhibit.
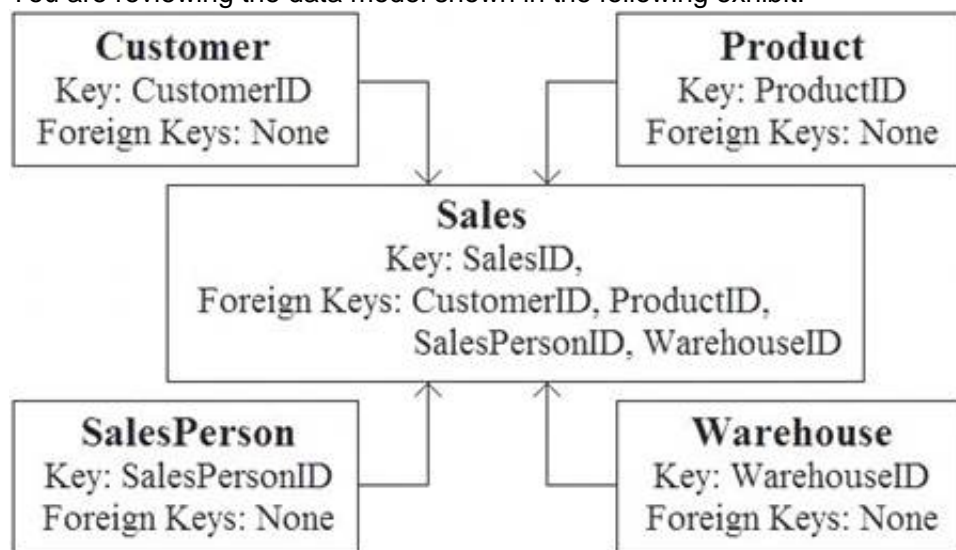
| Customer | Product |
|---|---|
| Key: CustomerID | Key: ProductID |
| Foreign Keys: None | Foreign Keys: None |

**Sales**
Key: SalesID,
Foreign Keys: CustomerID, ProductID,
SalesPersonID, WarehouseID

| SalesPerson | Warehouse |
|---|---|
| Key: SalesPersonID | Key: WarehouseID |
| Foreign Keys: None | Foreign Keys: None |

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 data model is a [answer choice].

- transactional model
- star schema
- snowflake schema

Customer is a [answer choice] table.

- fact
- dimension
- bridge

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

The data model is a [answer choice].

- transactional model
- star schema
- snowflake schema

Customer is a [answer choice] table.

- fact
- dimension
- bridge

**NEW QUESTION 2**

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

Transcribing audio files is an example of [____] analytics.

- cognitive
- descriptive
- predictive
- prescriptive

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Transcribing audio files is an example of [ ▼ ] analytics.

| |
|---|
| cognitive |
| descriptive |
| predictive |
| prescriptive |

**NEW QUESTION 3**
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 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**
Your company recently reported sales from the third quarter. You have the chart shown in the following exhibit.
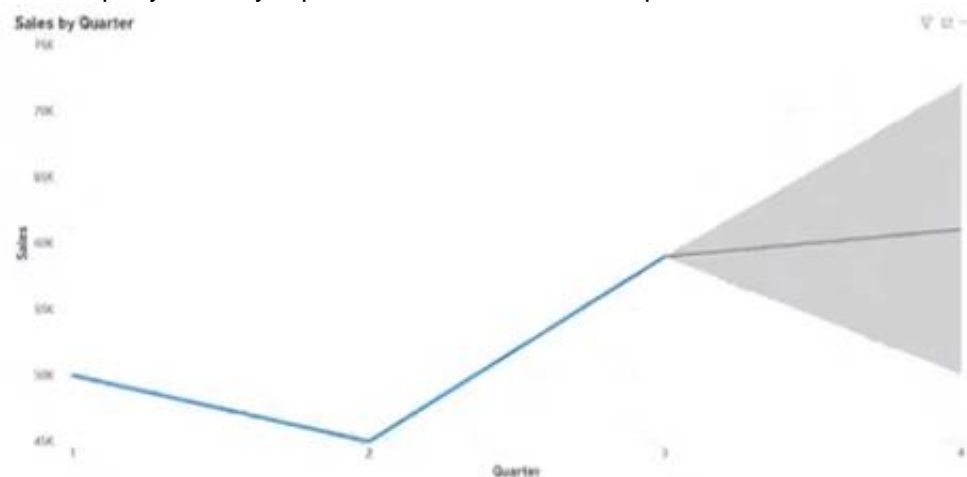


Which type of analysis is shown for the fourth quarter?

A. predictive
B. prescription
C. descriptive
D. diagnostic

**Answer:** B

**NEW QUESTION 6**

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

Answer Area

Relational data uses | collections | to enforce relationships between different tables.
columns
keys
partitions

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Relational data uses | collections | to enforce relationships between different tables.
columns
keys
partitions

---

**NEW QUESTION 7**
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 | Copy |
| Data transformation | Mapping data flow |
| Control | Until |

---

**NEW QUESTION 8**
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. |
| 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 9**
Match the Azure Data Lake Storage terms to the appropriate levels in the hierarchy.
To answer, drag the appropriate term from the column on the left to its level on the right. Each term may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

| Azure Storage account | File share |
| File system | |

Level

Level

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Terms

| Azure Storage account | File share |
| File system | |

Answer Area

Azure Resource Group
└ Azure Storage account
  └ File share
    └Folders
      └Files

**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. | ○ | ○ |
| Normalizing a database reduces data redundancy. | ○ | ○ |
| Normalization improves data integrity. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
| --- | --- | --- |
| Normalization involves eliminating relationships between database tables. | ○ | ○ |
| Normalizing a database reduces data redundancy. | ○ | ○ |
| Normalization improves data integrity. | ○ | ○ |

**NEW QUESTION 10**

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 14**
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 16**
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 20**
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 25**
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 SQL Database includes a fully managed backup service. | ○ | ○ |
| Azure SQL Database has built-in high availability. | ○ | ○ |
| Azure SQL Database can use Azure Advanced Threat Protection (ATP). | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
| --- | --- | --- |
| Azure SQL Database includes a fully managed backup service. | ○ | ○ |
| Azure SQL Database has built-in high availability. | ○ | ○ |
| Azure SQL Database can use Azure Advanced Threat Protection (ATP). | ○ | ○ |

**NEW QUESTION 27**
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.

**Workload Types**

| Batch | Streaming |
|-------|-----------|

**Answer Area**

| Workload Type | Analyzing web traffic from the past year |
|---------------|------------------------------------------|
| Workload Type | Classifying images that were uploaded last month |
| Workload Type | Tracking how many people are currently using a website |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

**Workload Types**

| Batch | Streaming |
|-------|-----------|

**Answer Area**

| Batch | Analyzing web traffic from the past year |
|-------|------------------------------------------|
| Batch | Classifying images that were uploaded last month |
| Streaming | Tracking how many people are currently using a website |

**NEW QUESTION 31**
You have a transactional application that stem data in an Azure SQ1 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 35**
You have an application that runs on Windows and requires across 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 37**
To complete the sentence, select the appropriate option in the answer area.

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

| 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 ▼

| distributes processing across compute nodes. |
| distributes processing across control nodes. |
| redirects client connections across compute nodes. |
| redirects client connections across control nodes. |

**NEW QUESTION 41**
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 44**
Which statement is an example of Data Definition Language (DDL)?

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

**Answer:** D


**NEW QUESTION 46**
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. | ○ | ○ |
| Azure Analysis Services is used for transactional workloads. | ○ | ○ |
| Azure Data Factory orchestrates data integration workflows. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
|---|---|---|
| Azure Databricks is an Apache Spark-based collaborative analytics platform. | ○ | ○ |
| Azure Analysis Services is used for transactional workloads. | ○ | ○ |
| Azure Data Factory orchestrates data integration workflows. | ○ | ○ |


**NEW QUESTION 49**
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 52**
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 |
|---|---|---|
| You can use Azure Data Studio to query a Microsoft SQL Server big data cluster. | ○ | ○ |
| You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse. | ○ | ○ |
| You can use MySQL Workbench to query Azure Database for MariaDB databases. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
|---|---|---|
| You can use Azure Data Studio to query a Microsoft SQL Server big data cluster. | ⦿ | ○ |
| You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse. | ⦿ | ○ |
| You can use MySQL Workbench to query Azure Database for MariaDB databases. | ⦿ | ○ |

**NEW QUESTION 55**
To complete the sentence, select the appropriate option in the answer area.

Descriptive analytics tells you ▼

- what is most likely to occur in the future.
- what occurred in the past.
- which actions you can perform to affect outcomes.
- why something occurred in the past.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Descriptive analytics tells you ▼

- what is most likely to occur in the future.
- what occurred in the past.
- which actions you can perform to affect outcomes.
- why something occurred in the past.

**NEW QUESTION 56**
You need to gather real-time telemetry data from a mobile application. Which type of workload describes this scenario?

A. Online Transaction Processing (OLTP)
B. batch
C. massively parallel processing (MPP)
D. streaming

**Answer:** D

**NEW QUESTION 57**
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 |
|---|---|---|
| You must apply patches to Azure SQL databases regularly. | ○ | ○ |
| You need a Microsoft 365 subscription to create an Azure SQL database. | ○ | ○ |
| You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
|---|---|---|
| You must apply patches to Azure SQL databases regularly. | ○ | ⊙ |
| You need a Microsoft 365 subscription to create an Azure SQL database. | ○ | ⊙ |
| You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases. | ⊙ | ○ |

**NEW QUESTION 60**
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. | ○ | ○ |
| Azure SQL managed instance supports user-created backups. | ○ | ○ |
| Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

| Statements | Yes | No |
|---|---|---|
| Azure SQL managed instance supports cross-database queries. | ⊙ | ○ |
| Azure SQL managed instance supports user-created backups. | ○ | ⊙ |
| Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine. | ⊙ | ○ |

**NEW QUESTION 62**
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.

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 67**
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.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**



**NEW QUESTION 70**
Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart.
Which type of data store will provide the lowest latency to retrieve the data?

A. key/value
B. graph
C. columnar
D. document

**Answer:** C

**NEW QUESTION 73**
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 78**
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 82**
Your company is designing a data store tor internet-connected temperature sensors. The collected data will be used to analyze temperature trends. Which type of data store should you use?

A. relational
B. columnar
C. graph
D. time series

**Answer:** A

**NEW QUESTION 87**
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

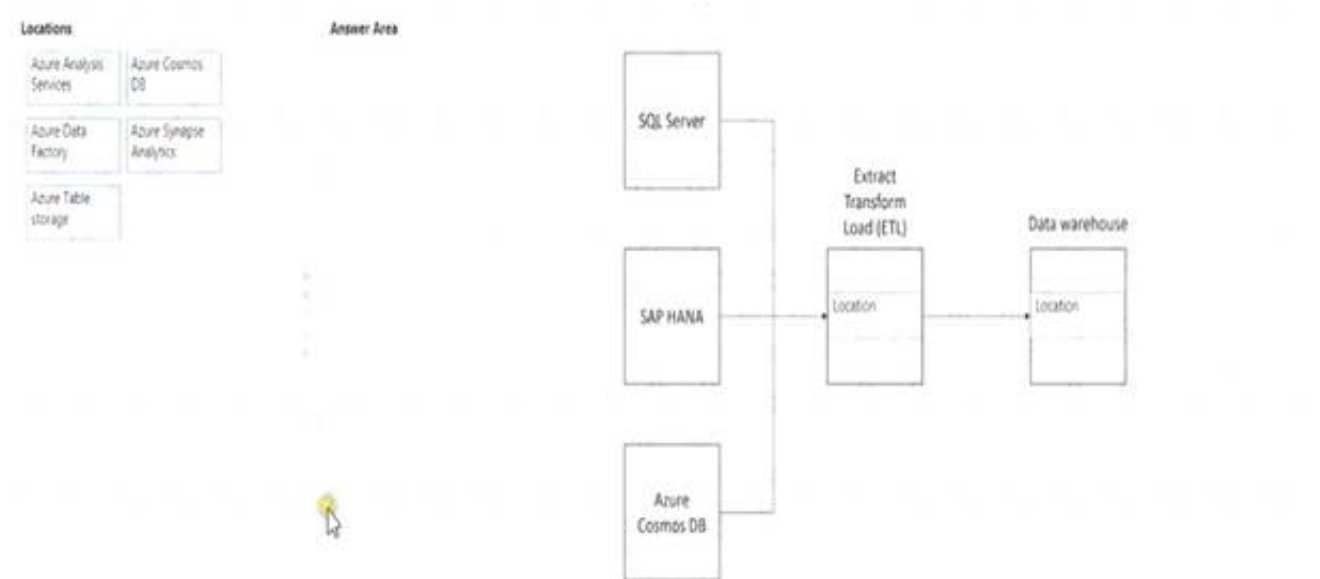**Answer:** A

**Explanation:**



**NEW QUESTION 88**
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
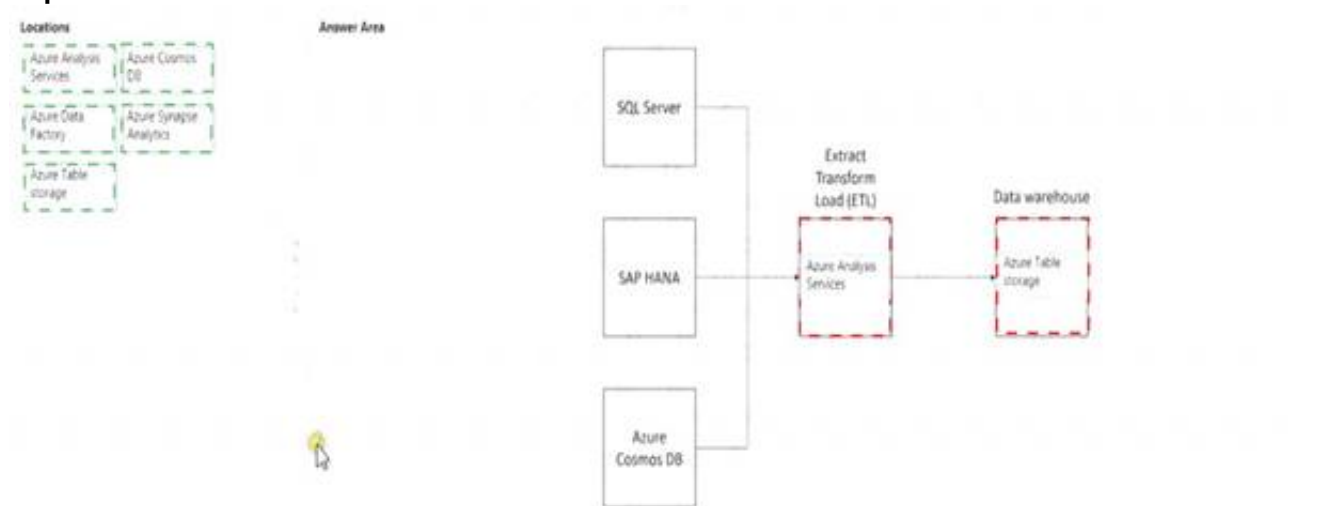
**Answer:** B

**NEW QUESTION 89**
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 90**
You manage an application that stores data in a shared folder on a Windows server.
You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

A. queue
B. blob
C. file
D. table

**Answer:** B

**NEW QUESTION 92**
To complete the sentence, select the appropriate option in the answer area.



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

**NEW QUESTION 93**

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**].

| a nested array |
| a nested object |
| a root object |

Address is [**answer choice**].

| a nested array |
| a nested object |
| a root object |

Social media is [**answer choice**].

| a nested array |
| a nested object |
| a root object |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Customer is [answer choice].

- a nested array
- a nested object
- a root object

Address is [answer choice].

- a nested array
- a nested object
- a root object

Social media is [answer choice].

- a nested array
- a nested object
- a root object

---

**NEW QUESTION 98**

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. | ○ | ○ |
| Indexes in a relational database describe the data types in a table | ○ | ○ |
| A database view is a virtual table whose content is defined by a query. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

| Statements | Yes | No |
|---|---|---|
| Relational database tables contain columns and rows. | ☑ | ○ |
| Indexes in a relational database describe the data types in a table | ☑ | ○ |
| A database view is a virtual table whose content is defined by a query. | ○ | ☑ |

---

**NEW QUESTION 103**

You have an Azure SQL database that you access directly from the internet. You recently changed your external IP address.
After changing the IP address, you can no longer access the database. You can connect to other resources in Azure
What is a possible cause of the issue?

A. a database-level firewall
B. role-based access control (RSAC)
C. Dynamic Host Configuration Protocol (DHCP)
D. Domain Name Service (DNS)

**Answer:** D

---

**NEW QUESTION 108**

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 111**

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 112**
You have an inventory management database that contains the following table.

| ProductName | Quantity |
|-------------|----------|
| Product1    | 100      |
| Product2    | 129      |
| Product3    | 176      |

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

A. INSERT
B. MERGE
C. UPDATE
D. CREATE

**Answer:** C

**NEW QUESTION 117**
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 118**
A team of developers has computers Thai run Windows 10 and Ubuntu Desktop.
The developers need to connect to and query an Azure SCX database from the computers. The developers require code assistance features such as intellSense.
What should the developers use ?

A. Azure Data Studio
B. sq1cmd
C. Microsoft SQL Server Management Studio (SSMS)
D. Azure Data Explorer

**Answer:** B

**NEW QUESTION 122**
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 125**
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. | ○ | ○ |
| A wind turbine that sends 50 sensor readings per second is an example of a streaming workload. | ○ | ○ |
| A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

| Statements | Yes | No |
| --- | --- | --- |
| Processing salary payments once a month is an example of a batch workload. | ○ | ○ |
| A wind turbine that sends 50 sensor readings per second is an example of a streaming workload. | ○ | ○ |
| A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload. | ○ | ○ |

**NEW QUESTION 129**
......

# Thank You for Trying Our Product

* 100% Pass or Money Back

    All our products come with a 90-day Money Back Guarantee.

* One year free update

    You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

    We currently serve more than 30,000,000 customers.

* Shop Securely

    All transactions are protected by VeriSign!

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