

# Exam Questions DP-900

Microsoft Azure Data Fundamentals

<https://www.2passeasy.com/dumps/DP-900/>



**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.

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:**

Graphical user interface, text, application, email Description automatically generated

**NEW QUESTION 2**

Select the answer that correctly completes the sentence.

**Answer Area**

 natively support the analysis of relationships between entities.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

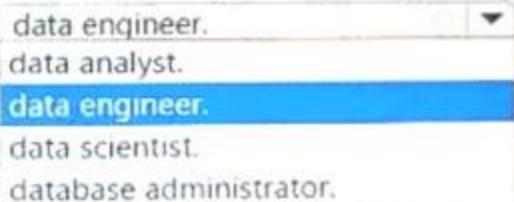
**Answer Area**

 natively support the analysis of relationships between entities.

**NEW QUESTION 3**

Select the answer that correctly completes the sentence.

**Answer Area**

Backing up and restoring data are the responsibilities of a 

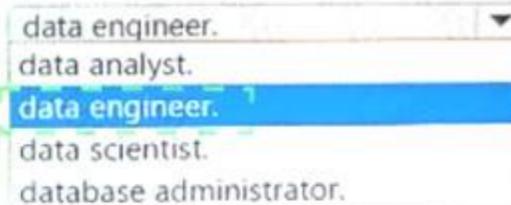
- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Answer Area**

Backing up and restoring data are the responsibilities of a



A screenshot of a dropdown menu with a white background and a thin border. The menu is open, showing five options: "data engineer.", "data analyst.", "data engineer." (highlighted with a blue background), "data scientist.", and "database administrator." The text is in a standard sans-serif font.

**NEW QUESTION 4**

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: B**

**Explanation:**

The Integration Runtime (IR) is the compute infrastructure used by Azure Data Factory to provide the following data integration capabilities across different network environments:

- > Data Flow
- > Data movement
- > Activity dispatch
- > SSIS package execution

**NEW QUESTION 5**

Which scenario is an example of a streaming workload?

- A. sending transactions that are older than a month to an archive
- B. sending transactions daily from point of sale (POS) devices
- C. sending telemetry data from edge devices
- D. sending cloud infrastructure metadata every 30 minutes

**Answer: C**

**NEW QUESTION 6**

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

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

**Answer: A**

**Explanation:**

Data Manipulation Language (DML) statements:

- > DELETE
- > INSERT
- > UPDATE

**NEW QUESTION 7**

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Table storage
- B. Azure Queue storage
- C. Azure Files

**Answer: B**

**NEW QUESTION 8**

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
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

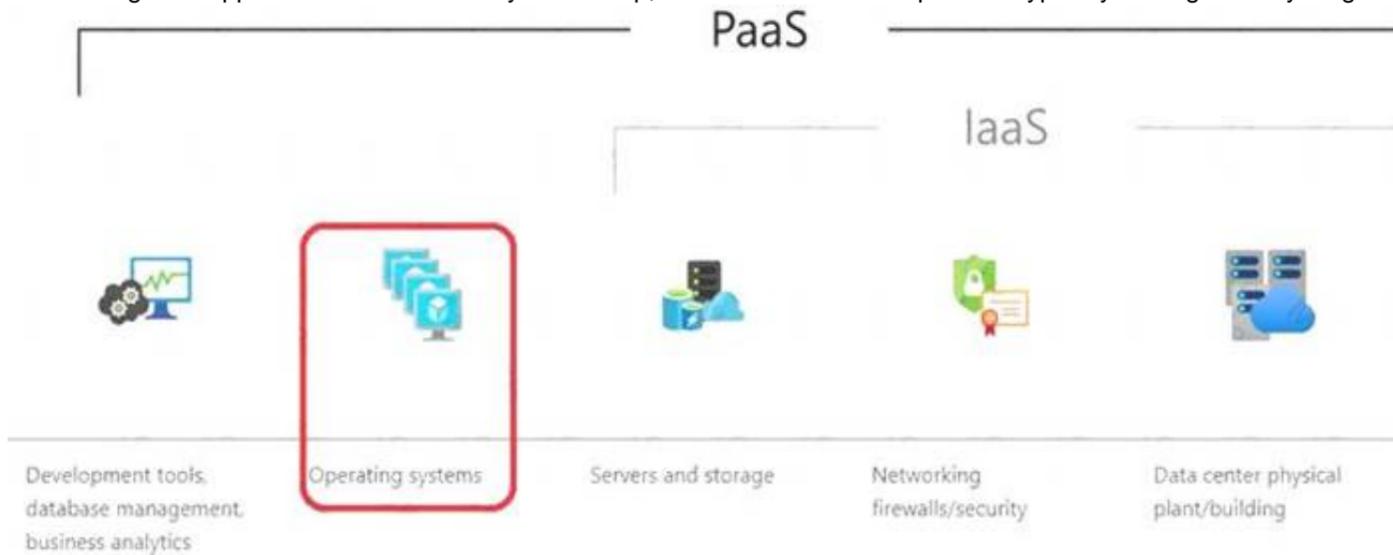
**Explanation:**

Box 1: Yes

Like IaaS, PaaS includes infrastructure – servers, storage, and networking – but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating. PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware, container orchestrators such as Kubernetes, or the development tools and other resources

Box 2: Yes

You manage the applications and services you develop, and the cloud service provider typically manages everything else.



Box 3: No

There really is no way to pause / stop billing for your Azure SQL Database.

Microsoft's official answer "Yes, you can export your database. Delete the Azure SQL database and that will pause billing. Then when you need it you can create a new database and import your previously exported DB."

**NEW QUESTION 9**

What is a characteristic of a non-relational database?

- A. a fixed schema
- B. self-describing entities
- C. full support for Transact-SQL

Answer: C

**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
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Box 1: No

The API determines the type of account to create. Azure Cosmos DB provides five APIs: Core (SQL) and MongoDB for document data, Gremlin for graph data, Azure Table, and Cassandra. Currently, you must create a separate account for each API.

Box 2: Yes

Azure Cosmos DB uses partitioning to scale individual containers in a database to meet the performance needs of your application. In partitioning, the items in a container are divided into distinct subsets called logical partitions. Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

Box 3: No

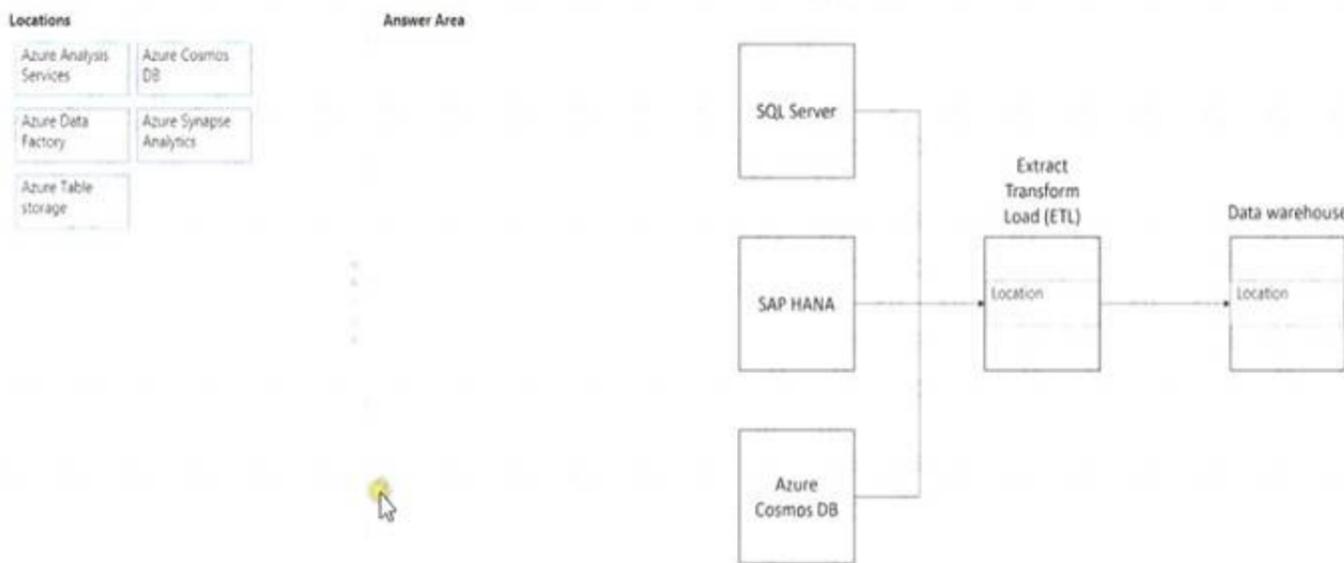
Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

**NEW QUESTION 10**

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.

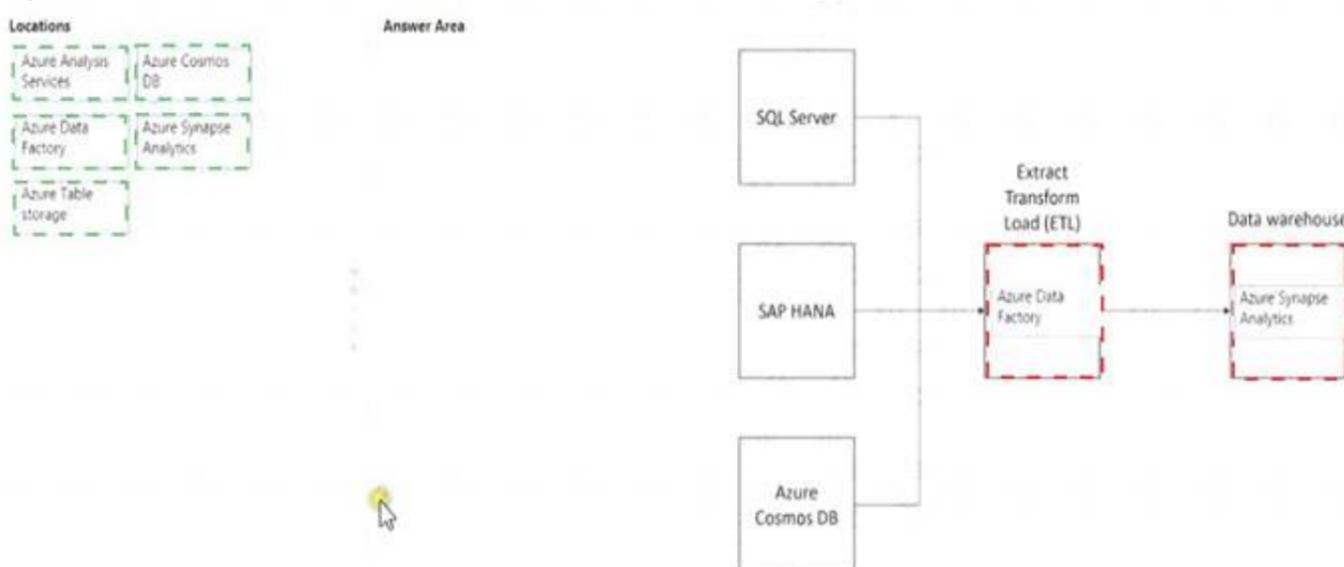
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**



**NEW QUESTION 14**

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

- A. denormalized data
- B. schema defined in a database
- C. schema defined when reading unstructured data from a database
- D. normalized data
- E. light writes and heavy reads
- F. heavy writes and moderate reads

Answer: ABF

**NEW QUESTION 19**

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:** A

**Explanation:**

Use read-only replicas to offload read-only query workloads.

**NEW QUESTION 24**

Which storage solution supports role-based access control (RBAC) at the file and folder level?

- A. Azure Disk Storage
- B. Azure Data Lake Storage
- C. Azure Blob storage
- D. Azure Queue storage

**Answer:** B

**NEW QUESTION 27**

Match the Azure SQL services to the appropriate use cases.

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

NOTE: Each correct match is worth one point.

Azure SQL services	Answer Area
Azure SQL Database elastic pool	<input type="text"/> A serverless configuration
Azure SQL Database single database	<input type="text"/> A database that has the highest compatibility with on-premises Microsoft SQL Server
Azure SQL Managed Instance	<input type="text"/> A low-cost, low-maintenance database

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Azure SQL services	Answer Area
Azure SQL Database elastic pool	Azure SQL Database single database A serverless configuration
Azure SQL Database single database	Azure SQL Database elastic pool A database that has the highest compatibility with on-premises Microsoft SQL Server
Azure SQL Managed Instance	Azure SQL Managed Instance A low-cost, low-maintenance database

**NEW QUESTION 30**

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

To configure an Azure Storage account to support access control lists

that have object-level permissions,

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:**

Table Description automatically generated

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

**NEW QUESTION 33**

Select the answer that correctly completes the sentence.

**Answer Area**

is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Answer Area**

is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator

**NEW QUESTION 35**

Which two activities can be performed entirely by using the Microsoft Power BI service? Each correct answer presents a complete solution. (Choose two.)  
 NOTE: Each correct selection is worth one point.

- A. report and dashboard creation
- B. report sharing and distribution
- C. data modeling
- D. data acquisition and preparation

Answer: AD

**NEW QUESTION 37**

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

An extract, transform, and load (ETL) process

requires

- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

An extract, transform, and load (ETL) process

requires

- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

**NEW QUESTION 39**

You need to recommend a data store service that meets the following requirements:

- > Native SQL API access
- > Configurable indexes What should you recommend?

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

Answer: D

Explanation:

Azure Cosmos DB comes with native Core (SQL) API support.

In Azure Cosmos DB, data is indexed following indexing policies that are defined for each container. The default indexing policy for newly created containers enforces range indexes for any string or number. This policy can be overridden with your own custom indexing policy.

**NEW QUESTION 44**

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 Databricks can consume data from Azure SQL Database.	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs.	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Databricks can consume data from Azure Event Hubs.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 45**

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:** D

**Explanation:**

Azure SQL Database is relational database and a managed service.

**NEW QUESTION 50**

You have data saved in the following format:

```
<Person Age="23">
  <FirstName>John</FirstName>
  <LastName>Smith</LastName>
  <Hobbies>
    <Hobby Type="Sports">Golf</Hobby>
    <Hobby Type="Leisure">Reading</Hobby>
    <Hobby Type="Leisure">Guitar</Hobby>
  </Hobbies>
</Person>
```

Which format was used?

- A. YAML
- B. HTML
- C. XML
- D. JSON

**Answer:** B

**NEW QUESTION 51**

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

- A. SELECT
- B. INSERT
- C. DELETE
- D. DROP

**Answer:** D

**Explanation:**

Data Definition Language (DDL) statements defines data structures. Use these statements to create, alter, or drop data structures in a database. These statements include:

- > ALTER
- > Collations
- > CREATE
- > DROP
- > DISABLE TRIGGER
- > ENABLE TRIGGER
- > RENAME
- > UPDATE STATISTICS
- > TRUNCATE TABLE

**NEW QUESTION 54**

What is required to provision Azure Data Lake Storage in an Azure Storage account?

- A. Versioning must be enabled.
- B. Hierarchical namespace must be enabled.
- C. Hierarchical namespace must be disabled.

D. Versioning must be disabled.

Answer: B

**NEW QUESTION 58**

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.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure SQL Database includes a fully managed backup service.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 62**

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

A block of code that runs in a database is called

▼

a stored procedure.

a table.

a view.

an index.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with medium confidence

**NEW QUESTION 63**

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 66**

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 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 type="radio"/>	<input checked="" type="radio"/>
Azure Data Factory pipelines can execute other pipelines.	<input checked="" type="radio"/>	<input type="radio"/>
A processing step within an Azure Data Factory pipeline is an activity.	<input type="radio"/>	<input checked="" type="radio"/>

**NEW QUESTION 70**

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 stages. Each location 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.

Locations

Answer Area

A standalone data analysis tool	Extract:	<input type="text"/>
The CRM system	Load:	<input type="text"/>
The data warehouse	Transform:	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

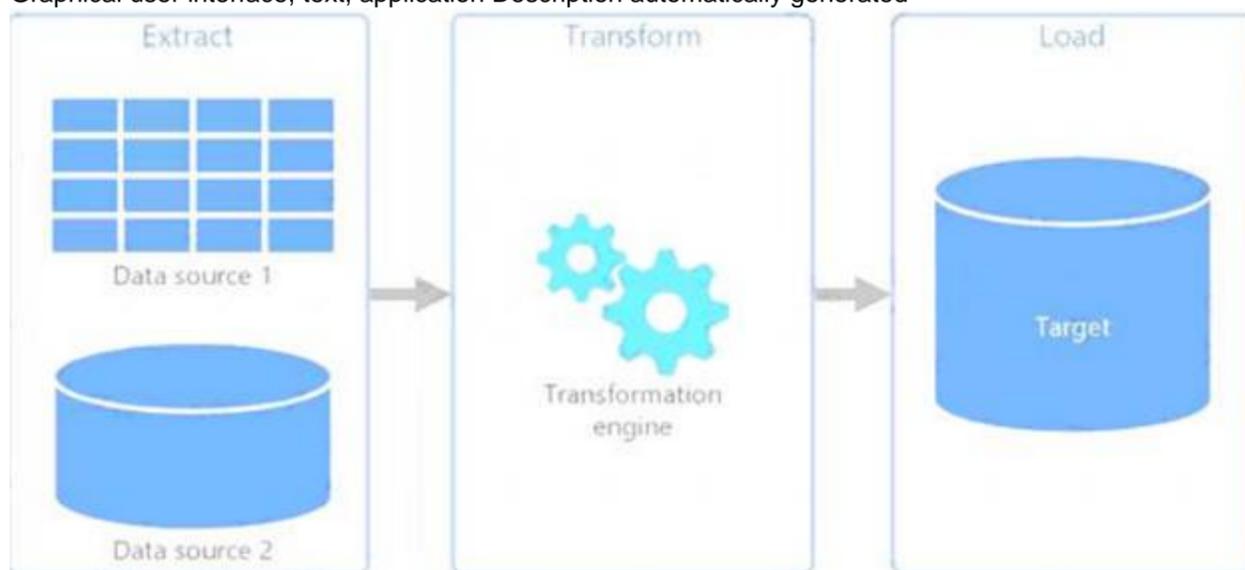
Box 1: The CRM system

Data is extracted from the CRM system. Box 2: The data warehouse

Data is loaded to the data warehouse. Box 3: A standalone data analysis tool

The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and validating data.

Graphical user interface, text, application Description automatically generated



**NEW QUESTION 73**

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**

**Explanation:**

With Availability Zone (AZ) support, Azure Cosmos DB will ensure replicas are placed across multiple zones within a given region to provide high availability and resiliency to zonal failures.

Note: Azure Cosmos DB provides high availability in two primary ways. First, Azure Cosmos DB replicates data across regions configured within a Cosmos account. Second, Azure Cosmos DB maintains 4 replicas of data within a region.

**NEW QUESTION 76**

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 77**

Which clause should you use in a select statement to combine rows in one table with rows in another table?

- A. JOIN
- B. VALUES
- C. set
- D. KEY

**Answer: A**

**NEW QUESTION 82**

Select the answer that correctly completes the sentence. See the answer below:

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

Answer Area

An Azure Storage account must have Hierarchical namespace enabled to support Azure Data Lake Storage.

**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.

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

A screenshot of a computer Description automatically generated with medium confidence

**NEW QUESTION 86**

Match the security components to the appropriate scenarios.  
 To answer, drag the appropriate component from the column on the left to its scenario on the right. Each component may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

Components	Answer Area
Authentication	
Firewall	Prevent access to an Azure SQL database from another network.
Encryption	Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
	Ensure that sensitive data never appears as plain text in an Azure SQL database.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Components	Answer Area
Authentication	Firewall
Firewall	Prevent access to an Azure SQL database from another network.
Encryption	Authentication
	Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
	Encryption
	Ensure that sensitive data never appears as plain text in an Azure SQL database.

**NEW QUESTION 91**

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 92**

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:** A

**Explanation:**

The Azure SQL Database firewall lets you decide which IP addresses may or may not have access to either your Azure SQL Server or your Azure SQL database. When creating an Azure SQL Database, the firewall needs to be configured before anyone will be able to access the database. By default, no external access to your SQL Database will be allowed until you explicitly assign permission by creating a firewall rule.

**NEW QUESTION 93**

Which command-line tool can you use to query Azure SQL databases?

- A. sqlcmd
- B. bcp
- C. azdata
- D. Azure CLI

**Answer:** A

**NEW QUESTION 94**

Your company needs to design a database that illustrates the relationships between utilization levels of individual network devices across a local area network. Which type of data store should you use?

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

**Answer:** A

**Explanation:**

Data as it appears in the real world is naturally connected. Traditional data modeling focuses on defining entities separately and computing their relationships at runtime. While this model has its advantages, highly connected data can be challenging to manage under its constraints. A graph database approach relies on persisting relationships in the storage layer instead, which leads to highly efficient graph retrieval operations. Azure Cosmos DB's Gremlin API supports the property graph model.

**NEW QUESTION 96**

Which component of Azure Data Factory enables you to define a sequence of activities including for each iterators?

- A. control flow

- B. linked services
- C. datasets
- D. the integration runtime

Answer: A

**NEW QUESTION 100**

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

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

Answer: A

**Explanation:**

Azure Files is Microsoft's easy-to-use cloud file system. Azure file shares can be seamlessly used in Windows and Windows Server. To use an Azure file share with Windows, you must either mount it, which means assigning it a drive letter or mount point path, or access it via its UNC path.

**NEW QUESTION 101**

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

When provisioning an Azure Cosmos DB , you need to specify which type of API you will use.

account
container
database
item

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Table Description automatically generated

**NEW QUESTION 102**

Select the answer that correctly completes the sentence.

**Answer Area**

A JSON document is an example of

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Answer Area**

A JSON document is an example of

**NEW QUESTION 107**

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:** D

**Explanation:**

When you first deploy Azure SQL, you specify an admin login and an associated password for that login. This administrative account is called Server admin.

**NEW QUESTION 112**

Which Azure SQL offering provides near-100 percent compatibility with on-premises Microsoft SQL Server instances, while providing automated updates, backups, and maintenance tasks?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines
- C. Azure SQL Edge
- D. Azure SQL Database

**Answer:** A

**NEW QUESTION 115**

Select the answer that correctly completes the sentence.

In a SQL statement,  are examples of aggregate functions.

FROM and WHERE

GROUP BY and ORDER BY

JOIN and MERGE

MAX and MIN

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Table Description automatically generated

An aggregate function performs a calculation on a set of values, and returns a single value. The following are aggregate functions:

- > APPROX\_COUNT\_DISTINCT
- > AVG
- > CHECKSUM\_AGG
- > COUNT
- > COUNT\_BIG
- > GROUPING
- > GROUPING\_ID
- > MAX
- > MIN
- > STDEV
- > STDEVP
- > STRING\_AGG
- > SUM
- > VAR
- > VARP

**NEW QUESTION 117**

What is a characteristic of batch processing?

- A. The data ingested during batch processing must be processed as soon as the data is received.
- B. Large datasets must be split into batches of less than 1 GB before the data can be processed.
- C. There is a noticeable time delay between ingesting data and obtaining the data processing results.
- D. Batch processing can only process data that is structured.

**Answer:** D

**NEW QUESTION 118**

You have a quality assurance application that reads data from a data warehouse. Which type of processing does the application use?

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

**Answer:** A

**Explanation:**

OLTP is designed to serve as a persistent data store for business or front-end applications. OLTP administers day to day transaction of an organization.

**NEW QUESTION 120**

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 122**

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

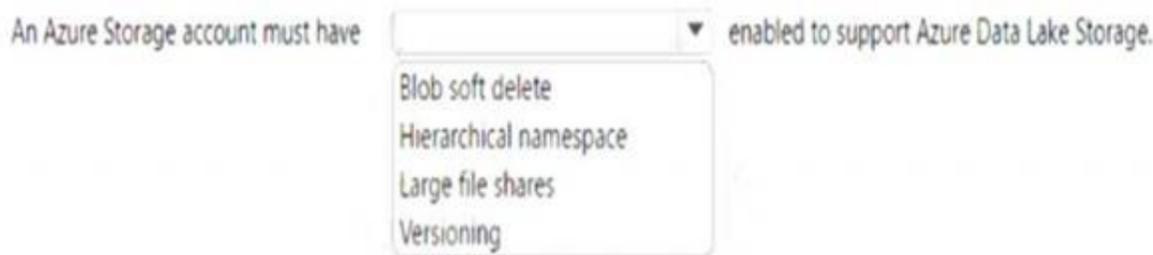
**Explanation:**

Azure SQL Database is a fully managed platform as a service (PaaS) database engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement. SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes. It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

**NEW QUESTION 123**

Select the answer that correctly completes the sentence.

**Answer Area**



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Hierarchical namespace  
<https://learn.microsoft.com/en-us/dynamics365/customer-insights/own-data-lake-storage>

**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
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input type="radio"/>	<input type="radio"/>

- 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.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input checked="" type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 129**

Match the types of visualizations to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Visualizations	Answer Area						
Key influencer	<table border="1"> <tr> <td>Visualization</td> <td>A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.</td> </tr> <tr> <td>Visualization</td> <td>A chart that displays the major contributors of a selected result or value.</td> </tr> <tr> <td>Visualization</td> <td>A chart that shows the relationship between two numerical values.</td> </tr> </table>	Visualization	A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.	Visualization	A chart that displays the major contributors of a selected result or value.	Visualization	A chart that shows the relationship between two numerical values.
Visualization	A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.						
Visualization	A chart that displays the major contributors of a selected result or value.						
Visualization	A chart that shows the relationship between two numerical values.						
Scatter							
Treemap							

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Tree map

Treemaps are charts of colored rectangles, with size representing value. They can be hierarchical, with rectangles nested within the main rectangles.



Box 2: Key influencer

A key influencer chart displays the major contributors to a selected result or value. Box 3: Scatter

Scatter and Bubble charts display relationships between 2 (scatter) or 3 (bubble) quantitative measures -- whether or not, in which order, etc.

**NEW QUESTION 130**

Select the answer that correctly completes the sentence.

Answer Area

A view	▼
A heap	
A stored procedure	
A view	
An index	

presents content defined by a query.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A view	▼
A heap	
A stored procedure	
A view	
An index	

presents content defined by a query.

NEW QUESTION 131

Select the answer that correctly completes the sentence.

Answer Area

A key/value data store is optimized for

simple lookups.	▼
enforcing constraints.	
simple lookups.	
table joins.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A key/value data store is optimized for

simple lookups.	▼
enforcing constraints.	
simple lookups.	
table joins.	

NEW QUESTION 132

Select the answer that correctly completes the sentence.

A

▼
line chart
matrix
scatter
treemap

is a chart of colored rectangles. The size of the rectangles represent

the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle.

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Graphical user interface, text, application, email Description automatically generated  
 A treemap chart divides the chart area into rectangles that represent the different levels and relative sizes of the data hierarchy.

**NEW QUESTION 137**

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
Batch processing can output data to a file store.	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database.	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Answer Area

Statements	Yes	No
Batch processing can output data to a file store.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database.	<input type="radio"/>	<input checked="" type="radio"/>

**NEW QUESTION 142**

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 144**

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 149**

Which T-SQL statement should be used to instruct a database management system to use an index instead of performing a full table scan?

- A. WHERE
- B. SELECT
- C. JOIN

**Answer: B**

**NEW QUESTION 152**

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 157

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