

Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals



NEW QUESTION 1

Select the answer that correctly completes the sentence.

Select the answer that correctly completes the sentence.

Answer Area

Microsoft Power BI Desktop

Microsoft Power BI Desktop

The Microsoft Power BI service

The Microsoft Power BI phone app

provides a full range of Power BI data modeling and report editing features.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, letter Description automatically generated

NEW QUESTION 2

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

A visualization that illustrates a university’s current student enrollment per department is an example of

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, table Description automatically generated

Generally speaking, data analytics comes in four types:

- Descriptive, to answer the question: What’s happening?
- Diagnostic, to answer the question: Why’s happening?
- Predictive, to answer the question: What will happen?
- Prescriptive, to answer the question: What actions should we take? Company name Description automatically generated



NEW QUESTION 3

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

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

Which type of data store should you use?

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

Answer: D

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

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.

cognitive
descriptive
predictive
prescriptive

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Generally speaking, data analytics comes in four types (Figure 1): Descriptive, to answer the question: What's happening? Diagnostic, to answer the question: Why's happening? Predictive, to answer the question: What will happen? Prescriptive, to answer the question: What actions should we take?

NEW QUESTION 6

What are two uses of data visualization? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

- A. Represent trends and patterns over time.
- B. Communicate the significance of data.

- C. implement machine learning to predict future values.
- D. Consistently implement business logic across reports

Answer: AB

Explanation:

Data visualization is a key component in being able to gain insight into your data. It helps make big and small data easier for humans to understand. It also makes it easier to detect patterns, trends, and outliers in groups of data.
Data visualization brings data to help you find key business insights quickly and effectively.

NEW QUESTION 7

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 Table storage supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Table storage supports multiple read replicas.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 8

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

In a data warehousing workload, data

from a single source is distributed to multiple locations

from multiple sources is combined in a single location

is added to a queue for multiple systems to process

is used to train machine learning models

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Note: The data warehouse workload encompasses:

- > The entire process of loading data into the warehouse
- > Performing data warehouse analysis and reporting
- > Managing data in the data warehouse
- > Exporting data from the data warehouse

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.

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:

Box 1: Yes
Big data solutions often use long-running batch jobs to filter, aggregate, and otherwise prepare the data for analysis. Usually these jobs involve reading source files from scalable storage (like HDFS, Azure Data Lake Store, and Azure Storage), processing them, and writing the output to new files in scalable storage.
Box 2: No
Box 3: No

NEW QUESTION 10

Which type of Azure resource supports the serverless configuration of an Azure SQL database?

- A. Azure SQL Managed Instance
- B. SQL Server on Azure Virtual Machines
- C. a single database in Azure SQL Database
- D. an Azure SQL Database elastic pool

Answer: C

NEW QUESTION 10

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

Data Store Types	Answer Area
Graph	<input type="text"/> Application users and their default language
Object	<input type="text"/> Medical images and their associated metadata
Key/value	<input type="text"/> Employee data that shows the relationships between employees

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Data Store Types	Answer Area
Graph	Key/value Application users and their default language
Object	Object Medical images and their associated metadata
Key/value	Graph Employee data that shows the relationships between employees

NEW QUESTION 14

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the that hosts SQL Server.

NEW QUESTION 18

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

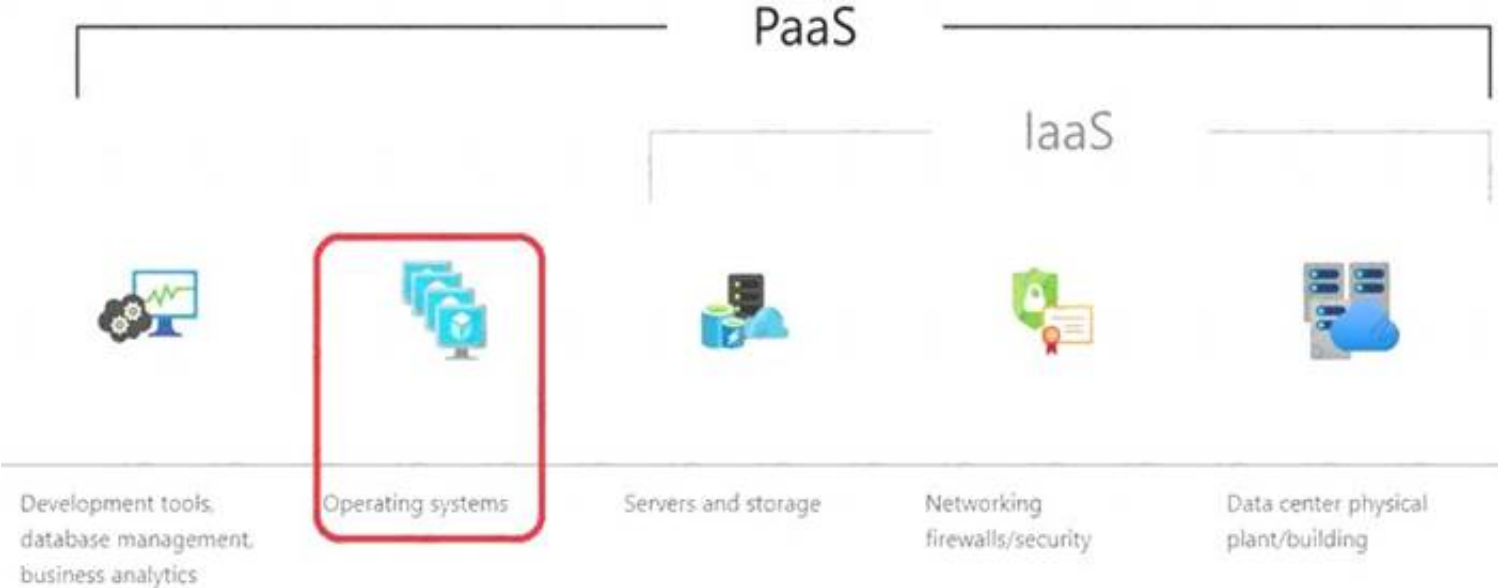
Explanation:

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 21

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

- A. isolation
- B. durability
- C. atomicity

D. consistency

Answer: C

NEW QUESTION 23

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 26

Your company needs to ensure that in Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet. What should you use?

- A. Azure DNS
- B. Azure Application Gateway
- C. Azure Private link
- D. Azure Traffic Manager

Answer: C

Explanation:

Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.
Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary

NEW QUESTION 27

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	<input type="text"/> Graph data
Gremlin API	<input type="text"/> JSON documents
MongoDB API	<input type="text"/> Key/value data
Table API	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

APIs	Answer Area
Cassandra API	Gremlin API Graph data
Gremlin API	MongoDB API JSON documents
MongoDB API	Table API Key/value data
Table API	

NEW QUESTION 31

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

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

Answer: B

NEW QUESTION 34

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 39

Select the answer that correctly completes the sentence.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 40

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 44

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Backing up and restoring data are the responsibilities of a database administrator.

NEW QUESTION 49

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 53

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

Answer Area

A key/value data store is optimized for

enforcing constraints.
simple lookups.
table joins.
transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: simple lookups

A key/value store associates each data value with a unique key. Most key/value stores only support simple query, insert, and delete operations. To modify a value (either partially or completely), an application must overwrite the existing data for the entire value. In most implementations, reading or writing a single value is an atomic operation.

An application can store arbitrary data as a set of values. Any schema information must be provided by the application. The key/value store simply retrieves or stores the value by key.

NEW QUESTION 58

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a data warehousing workload, data from multiple sources is combined in a single location.

NEW QUESTION 63

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

Azure SQL Database elastic pool
Azure SQL Database single database
Azure SQL Managed Instance

Answer Area

	A serverless configuration
	A database that has the highest compatibility with on-premises Microsoft SQL Server
	A low-cost, low-maintenance database

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Azure SQL services

Azure SQL Database elastic pool
Azure SQL Database single database
Azure SQL Managed Instance

Answer Area

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

NEW QUESTION 68

A bank has a system that manages financial transactions. When transferring money between accounts, the system must never retrieve a value for the source account that reflects the balance before the transfer and a value for the destination account that reflects the balance after the transfer. Of which ACID semantic is this an example?

- A. atomicity
- B. isolation
- C. durability
- D. consistency

Answer: B

Explanation:

Isolation. See course material:
o concurrent transactions cannot interfere with one another, and must result in a consistent database state. o For example, while the transaction to transfer funds from one account to another is in-process, another transaction that checks the balance of these accounts must return consistent results - the balance-checking transaction can't retrieve a value for one account that reflects the balance before the transfer, and a value for the other account that reflects the balance after the transfer.

NEW QUESTION 73

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract load, and transform (ELT) process. Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct. Each location may be used once, or not at all, You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

Locations

An in-memory data integration tool	The CRM system
The data warehouse	

Answer Area

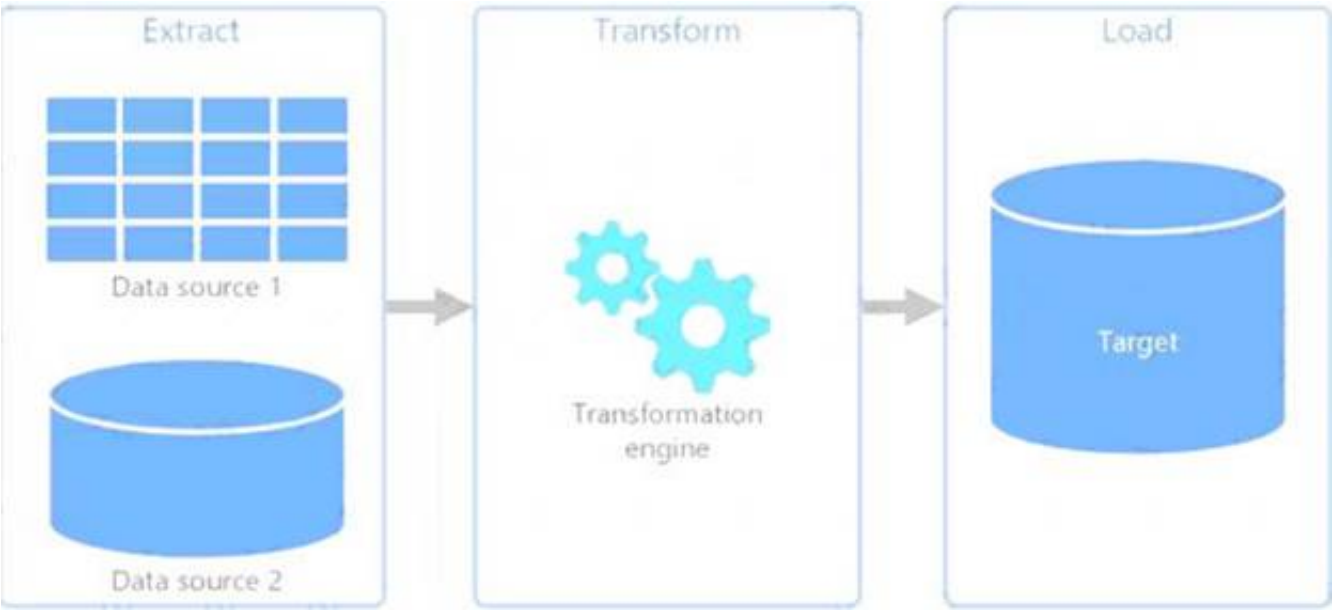
Extract	Location
Load	Location
Transform	Location

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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: An in-memory data integration tool
The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and validating data.



NEW QUESTION 78

Which three objects can be added to a Microsoft Power BI dashboard? Each correct answer presents a complete solution. (Choose three.)
NOTE: Each correct selection is worth one point.

- A. a report page
- B. a Microsoft PowerPoint slide
- C. a visualization from a report
- D. a dataflow
- E. a text box

Answer: ACE

NEW QUESTION 83

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 copy a dashboard between Microsoft Power BI workspaces.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated
Box 1: No
You can duplicate a dashboard. The duplicate ends up in the same Power BI workspace.
There is no current functionality that allows you to move reports from one workspace to another.
Box 2: No
Box 3: Yes

NEW QUESTION 86

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

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:

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 89

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 91

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 93

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 97

match the Azure data factory components to the appropriate descriptions.

To answer, drag the appropriate component from the column on the left to its description 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

Dataset

Linked service

Mapping data flow

Pipeline

Answer Area

Component

A representation of data structures within data stores

Component

The information used to connect to external resources

Component

A logical grouping of activities that performs a unit of work and can be scheduled

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Dataset

Datasets must be created from paths in Azure datastores or public web URLs, for the data to be accessible by Azure Machine Learning.

Box 2: Linked service

Linked services are much like connection strings, which define the connection information needed for Data Factory to connect to external resources.

Box 3: Pipeline

A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 102

Select the answer that correctly completes the sentence.

Answer Area

can be used as part of a lift-and-shift solution for migrating

an on-premises application to the cloud with minimal changes.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An instance of SQL Server on Azure Virtual Machines can be used as part of a lift-and-shift solution for migrating an on-premises application to the cloud with minimal changes.

NEW QUESTION 103

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
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:

Box 1: No
A pipeline is a logical grouping of activities that together perform a task.
Box 2: Yes
You can construct pipeline hierarchies with data factory.
Box 3: Yes
A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 105

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

You can query a graph database in Azure Cosmos DB as nodes and edges by using the Gremlin language.

NEW QUESTION 110

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 111

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

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

Answer: D

NEW QUESTION 112

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 115

Select the answer that correctly completes the sentence.

Answer Area

A relational database must be used when

strong consistency quarantees are required.

a dynamic schema is required.

data will be stored as key/value pairs.

storing large images and videos.

strong consistency quarantees are required.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when

strong consistency quarantees are required.

a dynamic schema is required.

data will be stored as key/value pairs.

storing large images and videos.

strong consistency quarantees are required.

NEW QUESTION 118

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.

☐

☒

☐

Azure Data Factory pipelines can execute other pipelines.

☐

☐

☐

A processing step within an Azure Data Factory pipeline is an activity.

☐

☐

☐

- 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 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 122

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 126

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:

Box 1: No

Microsoft handles all patching and updating of the SQL and operating system code. You don't have to manage the underlying infrastructure.

Box 2: Yes

SQL Database is a fully managed service that has built-in high availability, backups, and other common maintenance operations.

Box 3: No

NEW QUESTION 128

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when strong consistency guarantees are required.

NEW QUESTION 129

Which storage solution supports access control lists (ACLs) at the file and folder level?

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

Answer: A

Explanation:

Azure Data Lake Storage Gen2 implements an access control model that supports both Azure role-based access control (Azure RBAC) and POSIX-like access control lists (ACLs).

NEW QUESTION 130

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 131

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

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

Answer: B

NEW QUESTION 133

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: BCE

Explanation:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/getting-started-with-data>

NEW QUESTION 134

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.

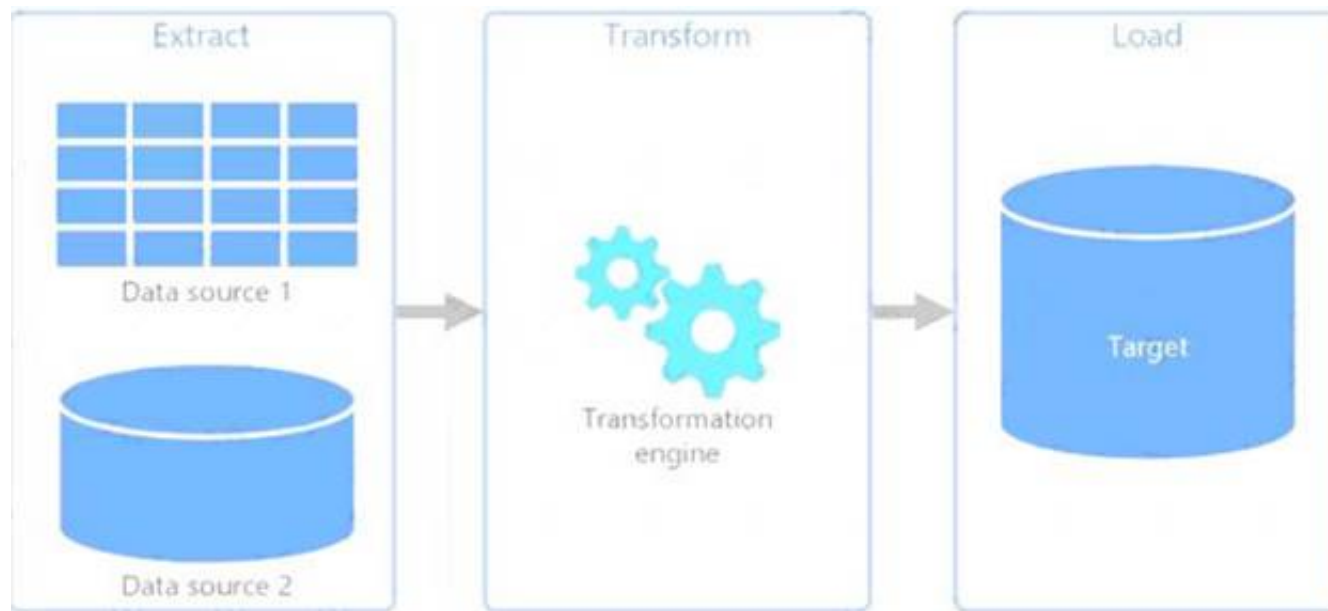
Locations		Answer Area
A standalone data analysis tool	Extract:	
The CRM system	Load:	
The data warehouse	Transform:	

- 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 139

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 142

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a graph database, edges specify relationships between tables.

NEW QUESTION 143

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

Explanation:

_ Azure Storage offers two options for copying your data to a secondary region: Geo-redundant storage (GRS)

_ Geo-zone-redundant storage (GZRS)

With GRS or GZRS, the data in the secondary region isn't available for read or write access unless there is a failover to the secondary region. For read access to the secondary region, configure your storage account to use read-access geo-redundant storage (RA-GRS) or read-access geo-zone-redundant storage (RA-GZRS).

NEW QUESTION 148

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 152

Select the answer that correctly completes the sentence.

Answer Area

Microsoft SQL Server database tables store

▼

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Microsoft SQL Server database tables store

relational data.

▼

NEW QUESTION 154

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

Authentication

Firewall

Encryption

Answer Area

Prevent access to an Azure SQL database from another network.

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

Authentication

Firewall

Encryption

Answer Area

Firewall

Authentication

Encryption

Prevent access to an Azure SQL database from another network.

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.

NEW QUESTION 155
 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 provide built-in high availability.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 156
 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

Copy

Mapping data flow

Until

NEW QUESTION 161

Select the answer that correctly completes the sentence.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

You must apply operating system updates 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.

Yes

No

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements

You must apply operating system updates 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.

Yes

No

NEW QUESTION 164

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)

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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 167

You need to store data by using Azure Table storage. What should you create first?

- A. an Azure Cosmos DB instance
- B. a storage account
- C. a blob container
- D. a table

Answer: B

Explanation:

First create an Azure storage account, then use Table service in the Azure portal to create a table.
Note: An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, and tables.

NEW QUESTION 172

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in a tabular form of rows and columns.

NEW QUESTION 174

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

- A. REVOKE
- B. DISABLE
- C. CREATE
- D. UPDATE

Answer: D

Explanation:

Data Manipulation Language (DML) affect the information stored in the database. Use these statements to insert, update, and change the rows in the database.
BULK INSERT DELETE INSERT SELECT UPDATE MERGE

NEW QUESTION 178

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

Transcribing audio files is an example of

cognitive

descriptive

predictive

prescriptive

 analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of

cognitive

descriptive

predictive

prescriptive

 analytics.

NEW QUESTION 180

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 181

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 186

You need to create an Azure resource to store data in Azure Table storage. Which command should you run?

- A. az scorage share create
- B. az scorage account creace
- C. az cosmosdb creace
- D. az scorage concainer creace

Answer: D

NEW QUESTION 190

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 Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input type="radio"/>
Azure Data Studio can be used to restore a database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
Azure Data Studio is a cross-platform database tool for data professionals using on-premises and cloud data platforms on Windows, macOS, and Linux. You can use Azure Data Studio to connect to an Azure SQL Database server. You'll then run Transact-SQL (T-SQL) statements to create and query Azure SQL

databases.
Box 2: No
SQL Server Management Studio is for configuring, managing, and administering all components within Microsoft SQL Server, not to create SQL notebooks. Instead use Azure Data Studio to create SQL notebook. Box 3: Yes
You can use the Azure Data Studio to restore databases.

NEW QUESTION 193
What is a characteristic of non-relational data?

- A. a well-defined schema
- B. no indexes
- C. self-describing entities
- D. no unique key values

Answer: D

NEW QUESTION 197
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 198
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 201
To complete the sentence, select the appropriate option in the answer area.

natively support the analysis of relationships between entities.

Column family databases

Document databases

Graph databases

Key-value stores

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated

NEW QUESTION 202
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 205

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

Answer Area

A Microsoft Power BI

fixed-layout documents or

dashboard

interactive report

paginated report

subscription

enables users to create highly formatted, archiving.

- A. Mastered
- B. Not Mastered

Answer: A

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

NEW QUESTION 208

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

Answer Area

Relational data uses

collections

columns

keys

partitions

to enforce relationships between different tables.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses

collections

columns

keys

partitions

to enforce relationships between different tables.

NEW QUESTION 210

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

Azure Synapse Analytics scales storage and compute independently.

Azure Synapse Analytics can be paused to reduce compute costs.

An Azure Synapse Analytics data warehouse has a fixed storage capacity.

Yes

No

☒

☐

☐

NEW QUESTION 211
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

semi-structured data.

NEW QUESTION 214
Match the Azure services to the appropriate requirements.
To answer, drag the appropriate service from the column on the left to its requirement on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Services

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Service

Service

Service

Output data to Parquet format

Store data that is in Parquet format

Persist a tabular representation of data that is stored in Parquet format

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Data Factory
Box 2: Azure Data Lake Storage
Azure Data Lake Storage (ADLA) now natively supports Parquet files. ADLA adds a public preview of the native extractor and outputter for the popular Parquet file format
Box 3: Azure Synapse Analytics
Use Azure Synapse Analytics Workspaces.

NEW QUESTION 219
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 221

You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to persist the SQL query so that other users can use the query. What should you create?

- A. a table
- B. an index
- C. scalar function
- D. a view

Answer: D

Explanation:

A view is a virtual table whose contents are defined by a query. A view acts as a filter on the underlying tables referenced in the view. The query that defines the view can be from one or more tables or from other views in the current or other databases.

NEW QUESTION 222

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 225

Select the answer that correctly completes the sentence.

In a SQL statement,

FROM and WHERE

GROUP BY and ORDER BY

JOIN and MERGE

MAX and MIN

 are examples of aggregate functions.

- 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 228

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

Answer Area

Relational data is stored in

a file system as unstructured data.
a hierarchal folder structure.
a tabular form of rows and columns.
comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in

a file system as unstructured data.
a hierarchal folder structure.
a tabular form of rows and columns.
comma-separated value (CSV) files.

NEW QUESTION 230

What is used to define a query in a stream processing jobs in Azure Stream Analytics?

- A. XML
- B. KQL
- C. YAML
- D. SQL

Answer: D

NEW QUESTION 234

Which type of database is Azure Database for PostgreSQL?

- A. Platform as a service (PaaS)
- B. Infrastructure as a service (IaaS)
- C. Microsoft SQL Server
- D. on-premises

Answer: A

NEW QUESTION 236

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

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:

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.

NEW QUESTION 240

Which two Azure services can be used to provision Spark clusters? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

- A. Azure Databricks
- B. Azure Log Analytics
- C. Azure Time Series Insights
- D. Azure HDinsight

Answer: AD

NEW QUESTION 242

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the

primary key ▼

foreign key

primary key

WHERE clause

nonclustered index

uniquely identifies each row in a table.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a relational database, the

primary key ▼

foreign key

primary key

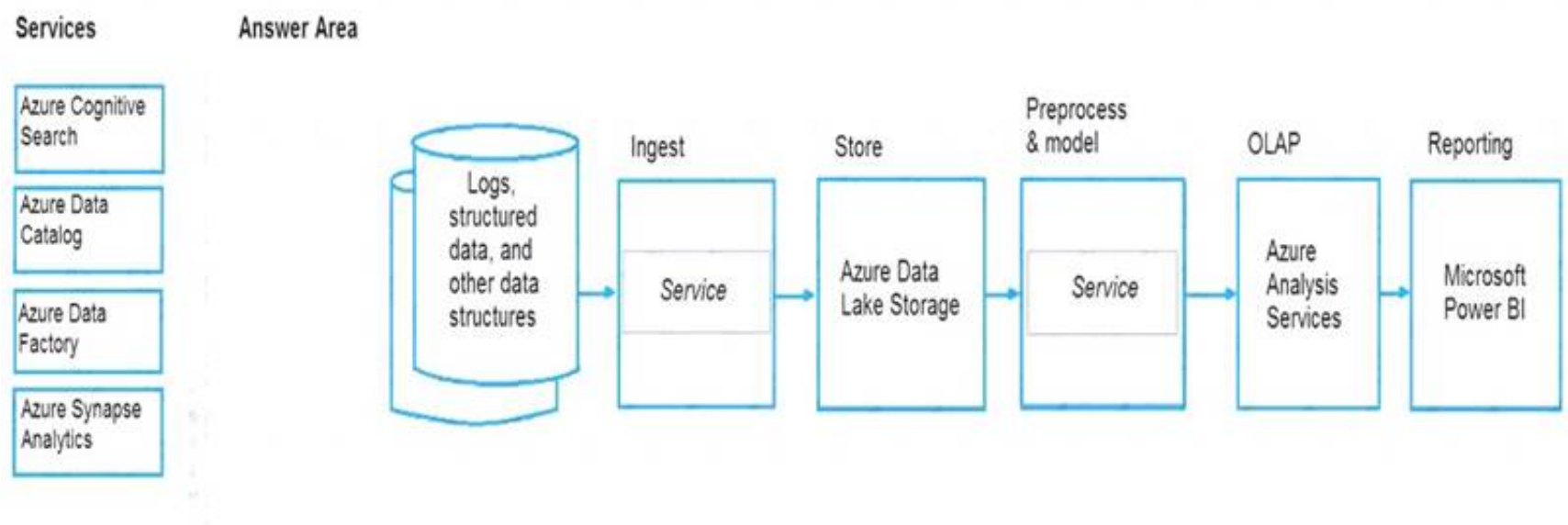
WHERE clause

nonclustered index

uniquely identifies each row in a table.

NEW QUESTION 247

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:

Box Ingest: Azure Data Factory
You can build a data ingestion pipeline with Azure Data Factory (ADF). Box Preprocess & model: Azure Synapse Analytics
Use Azure Synapse Analytics to preprocess data and deploy machine learning models.

NEW QUESTION 248

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 249

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

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 253

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

Services	Answer Area
Azure Blob storage	Service Enables the use of SQL queries against data stored in JSON documents
Azure Cosmos DB	Service Enables users to access data by using the Server Message Block (SMB) version 3 protocol
Azure Files	
Azure Table storage	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Cosmos DB

In Azure Cosmos DB's SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.

Box 2: Azure Files

Azure Files offers native cloud file sharing services based on the SMB protocol.

NEW QUESTION 257

Select the answer that correctly completes the sentence.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The massively parallel processing (MPP) engine
of Azure Synapse Analytics distributes processing across compute nodes.

NEW QUESTION 260

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 264

Select the answer that correctly completes the sentence.

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 267

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: A

Explanation:

You can automate deployments and use the practice of infrastructure as code. In code, you define the infrastructure that needs to be deployed. To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates (ARM templates). The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

NEW QUESTION 268

Select the answer that correctly completes the sentence.

Answer Area

An Azure Storage account must have

Blob soft delete
Hierarchical namespace
Large file shares
Versioning

 enabled to support Azure Data Lake Storage.

- 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 269

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 271

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 274

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 275

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 Table storage within a single Azure Storage account supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

Box 1: Yes

For read access to the secondary region, configure your storage account to use read-access geo-redundant storage (RA-GRS) or read-access geo-zone-redundant storage (RA-GZRS).

Box 2: No

Box 3: Yes

Box 4: Yes

Azure Cosmos DB supports multi-region writes.

NEW QUESTION 279

Select the answer the correctly completes the sentence.

Answer Area

is responsible for managing the security of the data in a database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A database administrator

 is responsible for managing the security of the data in a database.

NEW QUESTION 283

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

In batch processing,

data is always inserted one row at a time.

data is processed in real-time.

latency is expected.

processing can only execute serially.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In batch processing,

	▼
data is always inserted one row at a time.	
data is processed in real-time.	
latency is expected.	
processing can only execute serially.	

NEW QUESTION 286

Your company has a reporting solution that has paginated reports. The reports query a dimensional model in a data warehouse. Which type of processing does the reporting solution use?

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

Answer: D

NEW QUESTION 287

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 289

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 290

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:

Disadvantages of non-relational databases include: Data Consistency — non-relational databases do not perform ACID transactions.

Note: Relational databases are optimized for writes. They are optimized for consistency and availability. Advantages of relational databases include simplicity, ease of data retrieval, data integrity, and flexibility.

NEW QUESTION 291

Your company is designing a data store for 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: D

Explanation:

Time series data is a set of values organized by time. Time series databases typically collect large amounts of data in real time from a large number of sources.

Updates are rare, and deletes are often done as bulk operations. Although the records written to a time-series database are generally small, there are often a large number of records, and total data size can grow rapidly.

NEW QUESTION 296

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 299

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 300

A data engineer is responsible for which task?

- A. Design and build analytical models.
- B. Design and implement data stores for analytical workloads.
- C. Explore data to identify trends.
- D. Implement policies, tool
- E. and processes for backup and recovery plans.

Answer: A

NEW QUESTION 301

Match the terms to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Terms

- Index
- View
- Table

Answer Area

-
-
-
- A database object that holds data
- A database object whose content is defined by a query
- A database object that helps improve the speed of data retrieval

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Terms

- Index
- View
- Table

Answer Area

- Table
- View
- Index
- A database object that holds data
- A database object whose content is defined by a query
- A database object that helps improve the speed of data retrieval

NEW QUESTION 305
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