Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals

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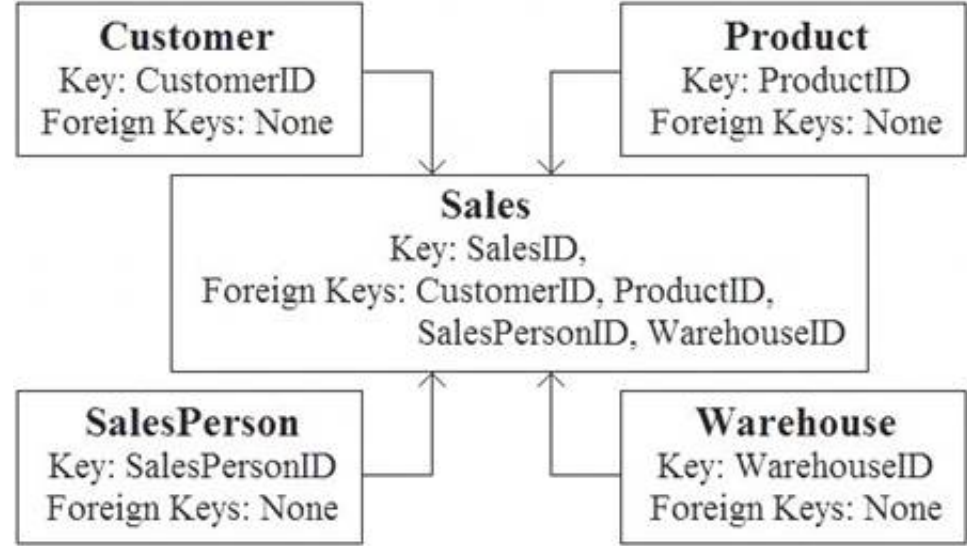
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NEW QUESTION 1
You are reviewing the data model shown in the following exhibit.

Customer		**Product**
Key: CustomerID		Key: ProductID
Foreign Keys: None		Foreign Keys: None

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

SalesPerson		**Warehouse**
Key: SalesPersonID		Key: WarehouseID
Foreign Keys: None		Foreign Keys: None

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

The data model is a **[answer choice]**.

- transactional model
- star schema
- snowflake schema

Customer is a **[answer choice]** table.

- fact
- dimension
- bridge

A. Mastered
B. Not Mastered

Answer: A

Explanation:

The data model is a **[answer choice]**.

- transactional model
- star schema
- snowflake schema

Customer is a **[answer choice]** table.

- fact
- dimension
- bridge

NEW QUESTION 2
To complement the sentence, select the appropriate option in the answer area.

Answer Area

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

The massively parallel processing (MPP) engine

of Azure Synapse Analytics

| Distributes processing across compute nodes. |
| Distributes processing across control nodes. |
| Redirects client connections across compute nodes. |
| Redirects client connections across control nodes. |

NEW QUESTION 3

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
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	○

NEW QUESTION 4

Which Azure SQL offering supports automatic database scaling and automatic pausing of the database during inactive periods?

A. Azure SQL Database Hyperscale
B. Azure SQL managed instance
C. Azure SQL Database serveless
D. Azure SQL Database elastic pod

Answer: B

NEW QUESTION 5

Match the types of activities to the appropriate Azure Data Factory activities.
To answer, drag the appropriate activity type from the column on the left to its Data Factory activity on the right. Each activity type may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Activity Types

| Control |
| Data movement |
| Data transformation |

Answer Area

	Copy
	Mapping data flow
	Until

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Activity Types

| Control |
| Data movement |
| Data transformation |

Answer Area

Data movement	Copy
Data transformation	Mapping data flow
Control	Until

NEW QUESTION 6
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 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.

Answer Area

Statements	Yes	No
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.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
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.	○	☐

NEW QUESTION 8
What are two characteristics of real-time data processing? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: BD

NEW QUESTION 9
You need to design and model a database by using a graphical tool that supports project-oriented offline database development.
What should you use?

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

Answer: A

NEW QUESTION 10
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 10
When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

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

Answer: B

NEW QUESTION 12
When can you use an Azure Resource Manager template?

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

Answer: C

NEW QUESTION 16
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 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.

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.	○	⊡
Azure Data Factory pipelines can execute other pipelines.	⊡	○
A processing step within an Azure Data Factory pipeline is an activity.	○	⊡

NEW QUESTION 20
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 24
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	Answer Area	
Index		A database object that holds data
View		A database object whose content is defined by a query
Table		A database object that helps improve the speed of data retrieval

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 26
Match the Azure services to appropriate requirements.
To answer, drag the appropriate services 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.

Azure Services				Answer Area	
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database		Azure Service	Output data to Parquet format.
Azure Synapse Analytics				Azure Service	Store data that is in Parquet format.
				Azure Service	Persist a tabular representation of data that is stored in Parquet format.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Azure Services				Answer Area	
Azure Data Factory	Azure Data Lake Storage	Azure SQL Database		Azure Data Factory	Output data to Parquet format.
Azure Synapse Analytics				Azure Data Lake Storage	Store data that is in Parquet format.
				Azure Synapse Analytics	Persist a tabular representation of data that is stored in Parquet format.

NEW QUESTION 29
You need to develop a solution to provide data to executives. the solution must provide an interactive graphic interface, depict various key performance indications, and support data exploration by using drill down.
What should you use in Microsoft Power BI?

A. a dashboard
B. Microsoft Power Apps
C. a dataflow
D. a report

Answer: D

NEW QUESTION 31
To complete the sentence, select the appropriate option in the answer area.

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

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

NEW QUESTION 32
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: AC

NEW QUESTION 36
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 39
You need to recommend a non-relational data store that is optimized for storing and retrieving files, videos, audio stream, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file.
Which type of data store should you recommend?

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

Answer: C

NEW QUESTION 40
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
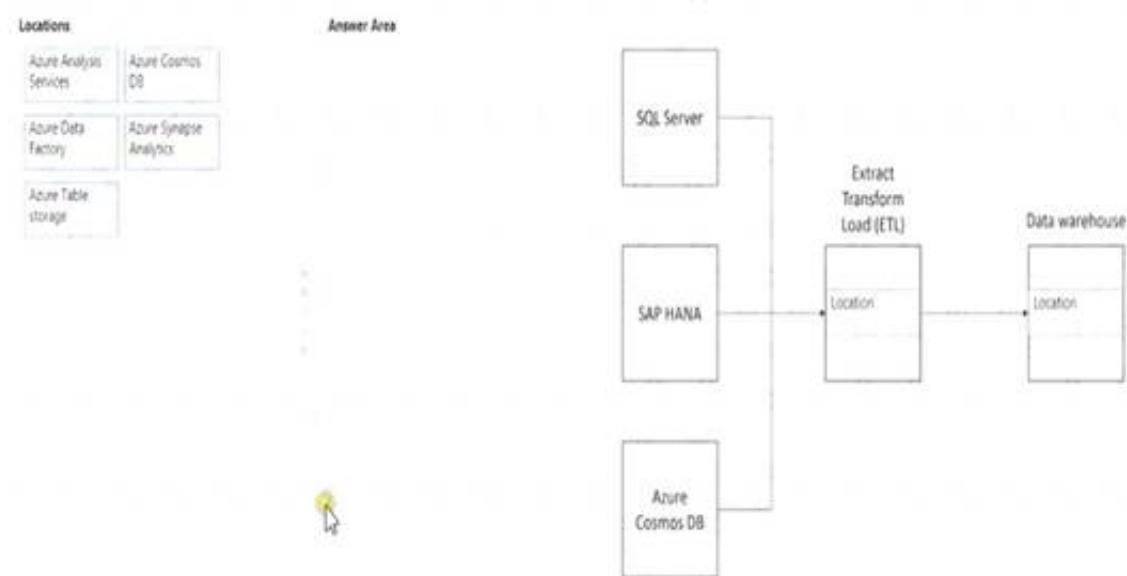

NEW QUESTION 41
Match the Azure services to the appropriate locations in the architecture.
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.
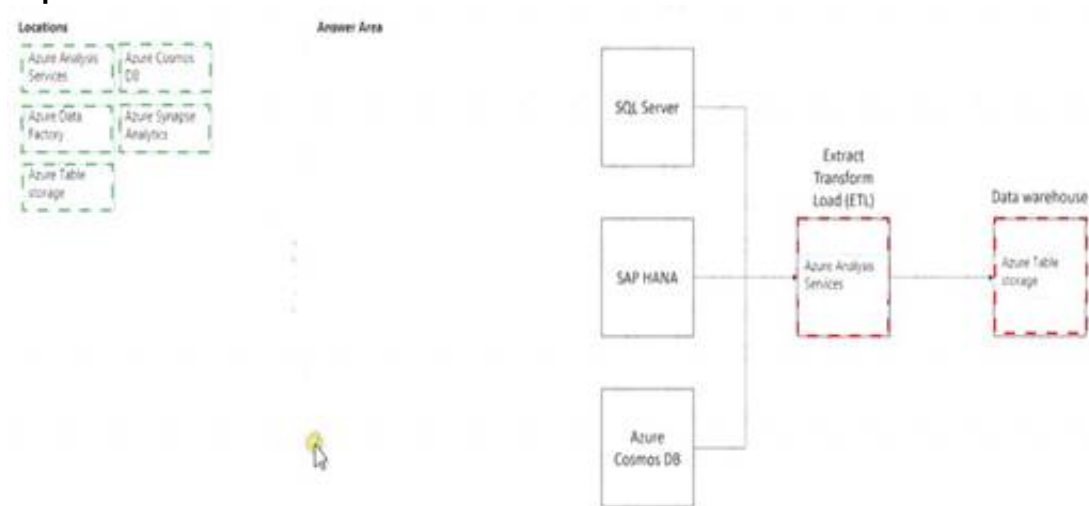NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 42
You manage an application that stores data in a shared folder on a Windows server.
You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

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

Answer: B

NEW QUESTION 45
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 46
When you create an Azure SQL database, which account can always connect to the database ?

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

Answer: B

NEW QUESTION 48
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 49
You have an inventory management database that contains the following table.

ProductName	Quantity
Product1	100
Product2	129
Product3	176

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

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

Answer: C

NEW QUESTION 51
A team of developers has computers Thai run Windows 10 and Ubuntu Desktop.
The developers need to connect to and query an Azure SCX database from the computers. The developers require code assistance features such as intellSense.
What should the developers use ?

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

Answer: B

NEW QUESTION 56
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