Data process   **Technology**

Ingest
RevoScaleR	V
Apache Sqoop	
Apache DistCp	
Azure CLI	

Process
Apache DistCp	V
Apache Kafka	
C#	
Apache Hive	

Download
Apache Sqoop	V
MapReduce	
RevoScaleR	
Ambari Hive View	

Correct Answer:

Data process   **Technology**

Ingest
RevoScaleR	V
Apache Sqoop	
Apache DistCp	
Azure CLI	

Process
Apache DistCp	V
Apache Kafka	
C#	
Apache Hive	

Download
Apache Sqoop	V
MapReduce	
RevoScaleR	
Ambari Hive View	

QUESTION 23
DRAG DROP
You manage the Microsoft Azure Databricks environment for a company. You must be able to access a private Azure Blob Storage account. Data must be available to all Azure Databricks workspaces. You need to provide the data access.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Upload a certificate	
Add secrets to the scope	
Use Blob Storage access key	
Create a secret scope	
Configure a JDBC connector	
Mount the Azure Blob Storage container	

Correct Answer:

Actions	Answer Area
Upload a certificate	Create a secret scope
Add secrets to the scope	Add secrets to the scope
Use Blob Storage access key	Mount the Azure Blob Storage container
Create a secret scope	
Configure a JDBC connector	
Mount the Azure Blob Storage container	

QUESTION 24
HOTSPOT
You are developing a solution using a Lambda architecture on Microsoft Azure.

The data at test layer must meet the following requirements:

Data storage:

▪ Serve as a repository (or high volumes of large files in various formats.
▪ Implement optimized storage for big data analytics workloads.

▪ Ensure that data can be organized using a hierarchical structure.

Batch processing:
▪ Use a managed solution for in-memory computation processing.
▪ Natively support Scala, Python, and R programming languages.
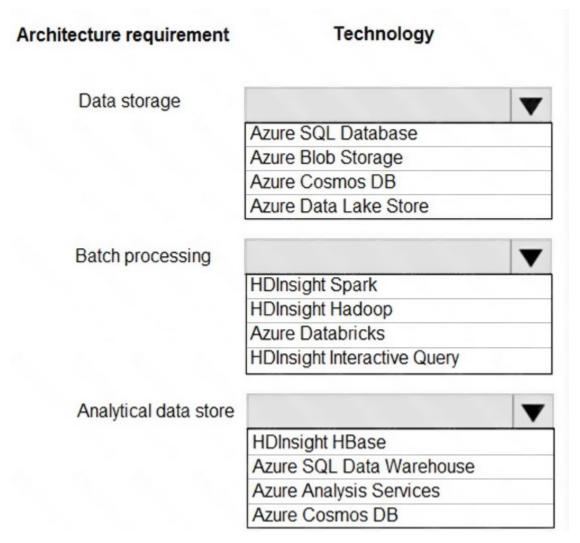▪ Provide the ability to resize and terminate the cluster automatically.

Analytical data store:

▪ Support parallel processing.
▪ Use columnar storage.
▪ Support SQL-based languages.

You need to identify the correct technologies to build the Lambda architecture.

Which technologies should you use? To answer, select the appropriate options in the answer area

NOTE: Each correct selection is worth one point.

Architecture requirement	Technology
Data storage	▼
	Azure SQL Database
	Azure Blob Storage
	Azure Cosmos DB
	Azure Data Lake Store
Batch processing	▼
	HDInsight Spark
	HDInsight Hadoop
	Azure Databricks
	HDInsight Interactive Query
Analytical data store	▼
	HDInsight HBase
	Azure SQL Data Warehouse
	Azure Analysis Services
	Azure Cosmos DB

Correct Answer:

Architecture requirement   Technology

Data storage

Azure SQL Database
Azure Blob Storage
Azure Cosmos DB
Azure Data Lake Store

Batch processing

HDInsight Spark
HDInsight Hadoop
Azure Databricks
HDInsight Interactive Query

Analytical data store

HDInsight HBase
Azure SQL Data Warehouse
Azure Analysis Services
Azure Cosmos DB

QUESTION 25
A company manages several on-premises Microsoft SQL Server databases.

You need to migrate the databases to Microsoft Azure by using a backup and restore process.

Which data technology should you use?

A. Azure SQL Database single database
B. Azure SQL Data Warehouse
C. Azure Cosmos DB
D. Azure SQL Database Managed Instance

Correct Answer: D
Explanation:
Managed instance is a new deployment option of Azure SQL Database, providing near 100%

compatibility with the latest SQL Server on-premises (Enterprise Edition) Database Engine, providing a native virtual network (VNet) implementation that addresses common security concerns, and a business model favorable for on-premises SQL Server customers. The managed instance deployment model allows existing SQL Server customers to lift and shift their on-premises applications to the cloud with minimal application and database changes.

References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance

QUESTION 26
A company manages several on-premises Microsoft SQL Server databases.

You need to migrate the databases to Microsoft Azure by using the backup process of Microsoft SQL Server.

Which data technology should you use?

A. Azure SQL Database Managed Instance
B. Azure SQL Data Warehouse
C. Azure Cosmos DB
D. Azure SQL Database single database

Correct Answer: D

QUESTION 27
Note: This question is part of series of questions that present the same scenario. Each question in the series contain a unique solution. Determine whether the solution meets the stated goals.

You develop a data ingestion process that will import data to a Microsoft Azure SQL Data Warehouse. The data to be ingested resides in parquet files stored in an Azure Data Lake Gen 2 storage account.

You need to load the data from the Azure Data Lake Gen 2 storage account into the Azure SQL Data Warehouse.

Solution:
1. Use Azure Data Factory to convert the parquet files to CSV files
2. Create an external data source pointing to the Azure storage account
3. Create an external file format and external table using the external data source
4. Load the data using the INSERT...SELECT statement

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
There is no need to convert the parquet files to CSV files.

You load the data using the CREATE TABLE AS SELECT statement.