select bi-directionally across multiple SQL databases and SQL Server instances.

With Data Sync, you can keep data synchronized between your on-premises databases and Azure SQL databases to enable hybrid applications.

Compare Data Sync with Transactional Replication

	Data Sync	Transactional Replication
Advantages	- Active-active support - Bi-directional between on-premises and Azure SQL Database	- Lower latency - Transactional consistency - Reuse existing topology after migration
Disadvantages	- 5 min or more latency - No transactional consistency - Higher performance impact	- Can't publish from Azure SQL Database single database or pooled database - High maintenance cost

References:
https://docs.microsoft.com/en-us/azure/sql-database/sql-database-sync-data

QUESTION 34
A company plans to use Azure Storage for file storage purposes. Compliance rules require:

- A single storage account to store all operations including reads, writes and deletes
- Retention of an on-premises copy of historical operations

You need to configure the storage account.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Configure the storage account to log read, write and delete operations for service type Blob
B. Use the AzCopy tool to download log data from $logs/blob
C. Configure the storage account to log read, write and delete operations for service-type table
D. Use the storage client to download log data from $logs/table
E. Configure the storage account to log read, write and delete operations for service type queue

Correct Answer: AB
Explanation:
Storage Logging logs request data in a set of blobs in a blob container named $logs in your storage account. This container does not show up if you list all the blob containers in your account but you can see its contents if you access it directly.

To view and analyze your log data, you should download the blobs that contain the log data you are interested in to a local machine. Many storage-browsing tools enable you to download blobs from your storage account; you can also use the Azure Storage team provided command-line Azure Copy Tool (AzCopy) to download your log data.

References:
https://docs.microsoft.com/en-us/rest/api/storageservices/enabling-storage-logging-and-accessing-log-data

QUESTION 35
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains 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. Create an external data source pointing to the Azure storage account
2. Create a workload group using the Azure storage account name as the pool name
3. Load the data using the INSERT...SELECT statement

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
You need to create an external file format and external table using the external data source.

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

References:
https://docs.microsoft.com/en-us/azure/sql-data-warehouse/sql-data-warehouse-load-from-azure-data-lake-store

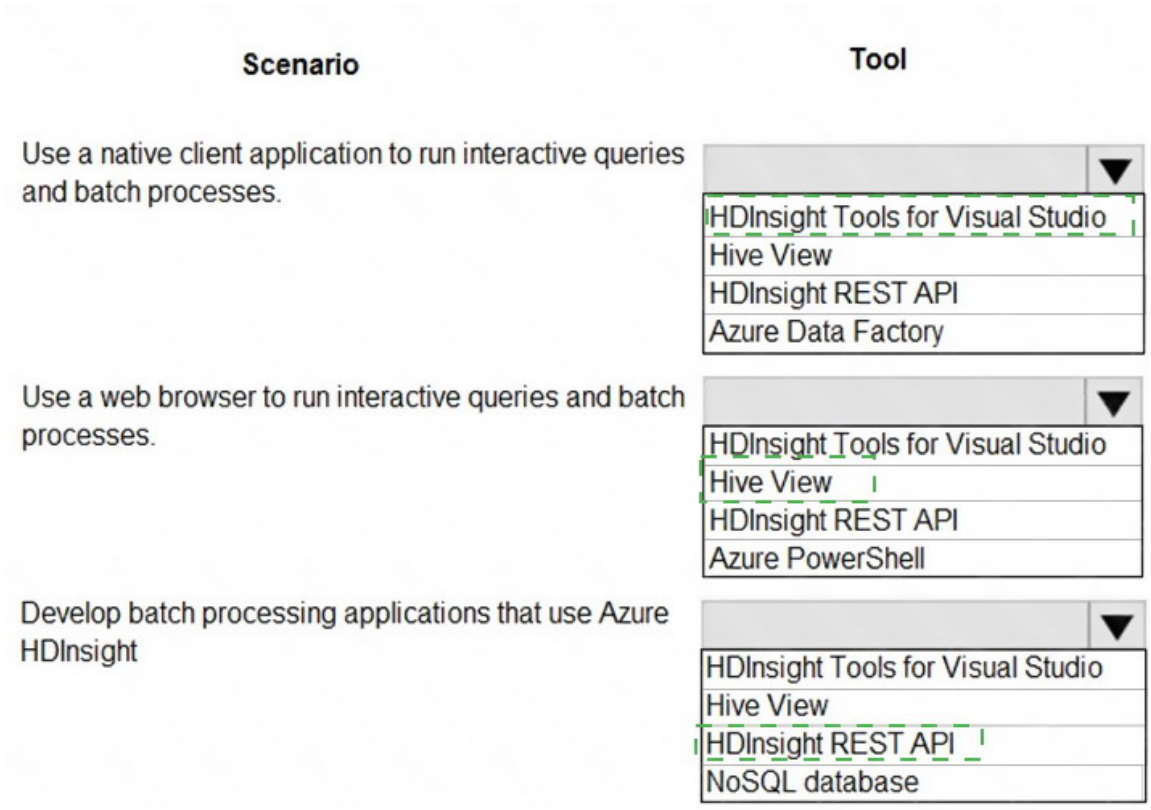
QUESTION 36
HOTSPOT
A company plans to develop solutions to perform batch processing of multiple sets of geospatial data. You need to implement the solutions.

Which Azure services should you use? To answer, select the appropriate configuration tit the answer area.

NOTE: Each correct selection is worth one point.

Scenario	Tool
Use a native client application to run interactive queries and batch processes.	HDInsight Tools for Visual Studio Hive View HDInsight REST API Azure Data Factory
Use a web browser to run interactive queries and batch processes.	HDInsight Tools for Visual Studio Hive View HDInsight REST API Azure PowerShell
Develop batch processing applications that use Azure HDInsight	HDInsight Tools for Visual Studio Hive View HDInsight REST API NoSQL database

Correct Answer:



QUESTION 37
A company runs Microsoft SQL Server in an on-premises virtual machine (VM).

You must migrate the database to Azure SQL Database. You synchronize users from Active Directory to Azure Active Directory (Azure AD).

You need to configure Azure SQL Database to use an Azure AD user as administrator. What should you configure?

A. For each Azure SQL Database, set the Access Control to administrator.
B. For the Azure SQL Database server, set the Active Directory to administrator.
C. For each Azure SQL Database, set the Active Directory administrator role.
D. For the Azure SQL Database server, set the Access Control to administrator.

Correct Answer: C

QUESTION 38
You develop data engineering solutions for a company.

You must integrate the company's on-premises Microsoft SQL Server data with Microsoft Azure SQL Database. Data must be transformed incrementally.

You need to implement the data integration solution.

Which tool should you use to configure a pipeline to copy data?

A. Use the Copy Data tool with Blob storage linked service as the source
B. Use Azure PowerShell with SQL Server linked service as a source
C. Use Azure Data Factory UI with Blob storage linked service as a source
D. Use the .NET Data Factory API with Blob storage linked service as the source

Correct Answer: C
Explanation:
The Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory to provide data integration capabilities across different network environments.

A linked service defines the information needed for Azure Data Factory to connect to a data resource. We have three resources in this scenario for which linked services are needed:

- On-premises SQL Server
- Azure Blob Storage
- Azure SQL database

Note:
Azure Data Factory is a fully managed cloud-based data integration service that orchestrates and automates the movement and transformation of data. The key concept in the ADF model is pipeline. A pipeline is a logical grouping of Activities, each of which defines the actions to perform on the data contained in Datasets. Linked services are used to define the information needed for Data Factory to connect to the data resources.

References:
https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/move-sql-azure-adf

QUESTION 39
You manage a solution that uses Azure HDInsight clusters.

You need to implement a solution to monitor cluster performance and status.

Which technology should you use?

A. Azure HDInsight .NET SDK
B. Azure HDInsight REST API
C. Ambari REST API
D. Azure Log Analytics
E. Ambari Web UI

Correct Answer: E
Explanation:
Ambari is the recommended tool for monitoring utilization across the whole cluster. The Ambari dashboard shows easily glanceable widgets that display metrics such as CPU, network, YARN memory, and HDFS disk usage. The specific metrics shown depend on cluster type. The "Hosts" tab shows metrics for individual nodes so you can ensure the load on your cluster is evenly distributed.

The Apache Ambari project is aimed at making Hadoop management simpler by developing software for provisioning, managing, and monitoring Apache Hadoop clusters. Ambari provides an intuitive, easy-to-use Hadoop management web UI backed by its RESTful APIs.