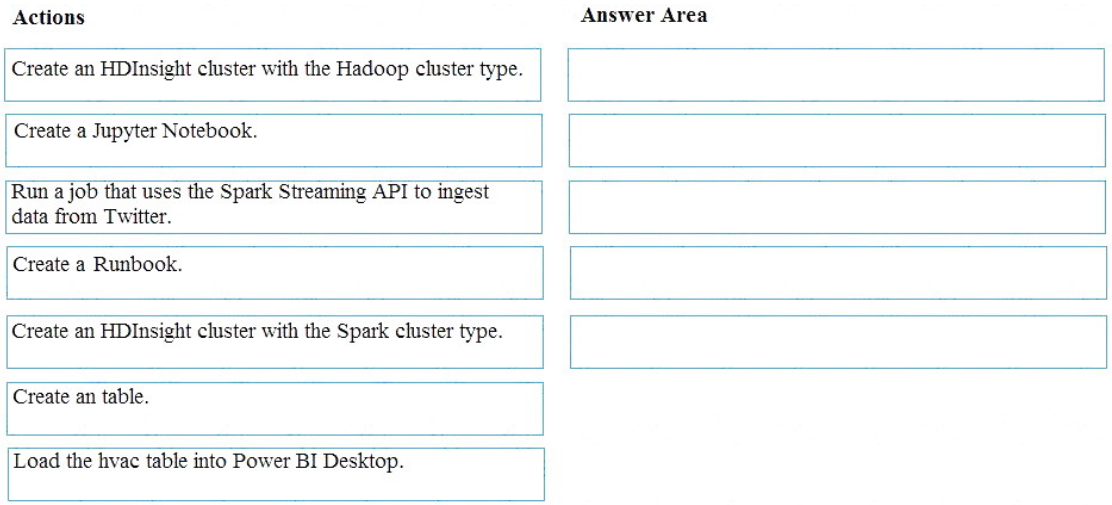
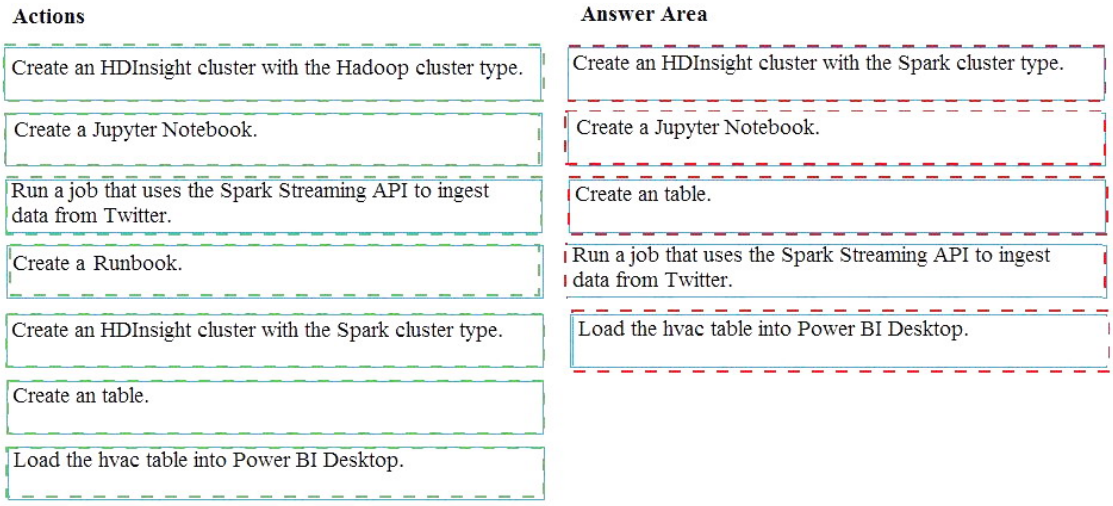


Correct Answer:



QUESTION 17

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 data engineering solutions for a company.

A project requires the deployment of resources to Microsoft Azure for batch data processing on Azure HDInsight. Batch processing will run daily and must:

- Scale to minimize costs
- Be monitored for cluster performance

You need to recommend a tool that will monitor clusters and provide information to suggest how to scale.

Solution: Download Azure HDInsight cluster logs by using Azure PowerShell.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
Instead monitor clusters by using Azure Log Analytics and HDInsight cluster management solutions.

References:
https://docs.microsoft.com/en-us/azure/hdinsight/hdinsight-hadoop-oms-log-analytics-tutorial

QUESTION 18
You are developing a data engineering solution for a company. The solution will store a large set of key-value pair data by using Microsoft Azure Cosmos DB

The solution has the following requirements:

- Data must be partitioned into multiple containers.
- Data containers must be configured separately.
- Data must be accessible from applications hosted around the world.
- The solution must minimize latency.

You need to provision Azure Cosmos DB

A. Configure account-level throughput.
B. Provision an Azure Cosmos DB account with the Azure Table API Enable geo-redundancy.
C. Configure table-level throughput
D. Replicate the data globally by manually adding regions lo the Azure Cosmos DB account.
E. Provision an Azure Cosmos DB account with the Azure Table API. Enable multi-region writes.

Correct Answer: E

QUESTION 19
A company is designing a hybrid solution to synchronize data and on-premises Microsoft SQL Server database to Azure SQL Database.

You must perform an assessment of databases to determine whether data will move without compatibility issues.

You need to perform the assessment.

Which tool should you use?

A. Azure SQL Data Sync
B. SQL Vulnerability Assessment (VA)
C. SQL Server Migration Assistant (SSMA)
D. Microsoft Assessment and Planning Toolkit
E. Data Migration Assistant (DMA)

Correct Answer: E

Explanation:
The Data Migration Assistant (DMA) helps you upgrade to a modern data platform by detecting compatibility issues that can impact database functionality in your new version of SQL Server or Azure SQL Database. DMA recommends performance and reliability improvements for your target environment and allows you to move your schema, data, and uncontained objects from your source server to your target server.

References:
https://docs.microsoft.com/en-us/sql/dma/dma-overview

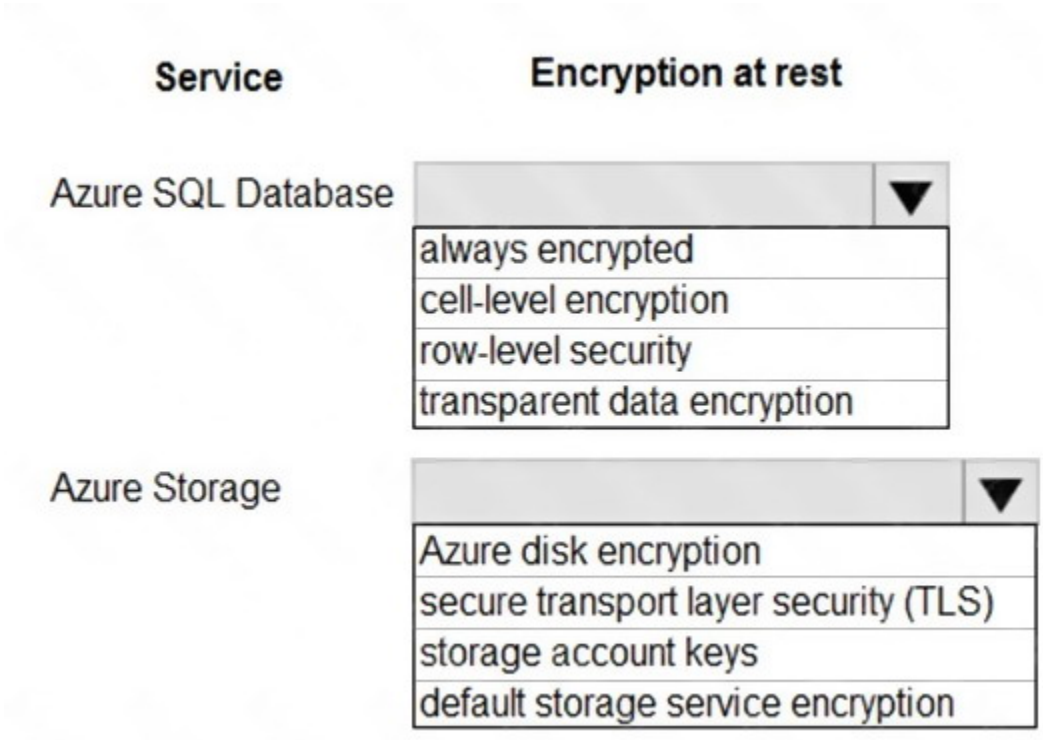
QUESTION 20
HOTSPOT
Your company uses Azure SQL Database and Azure Blob storage.

All data at rest must be encrypted by using the company's own key. The solution must minimize administrative effort and the impact to applications which use the database.

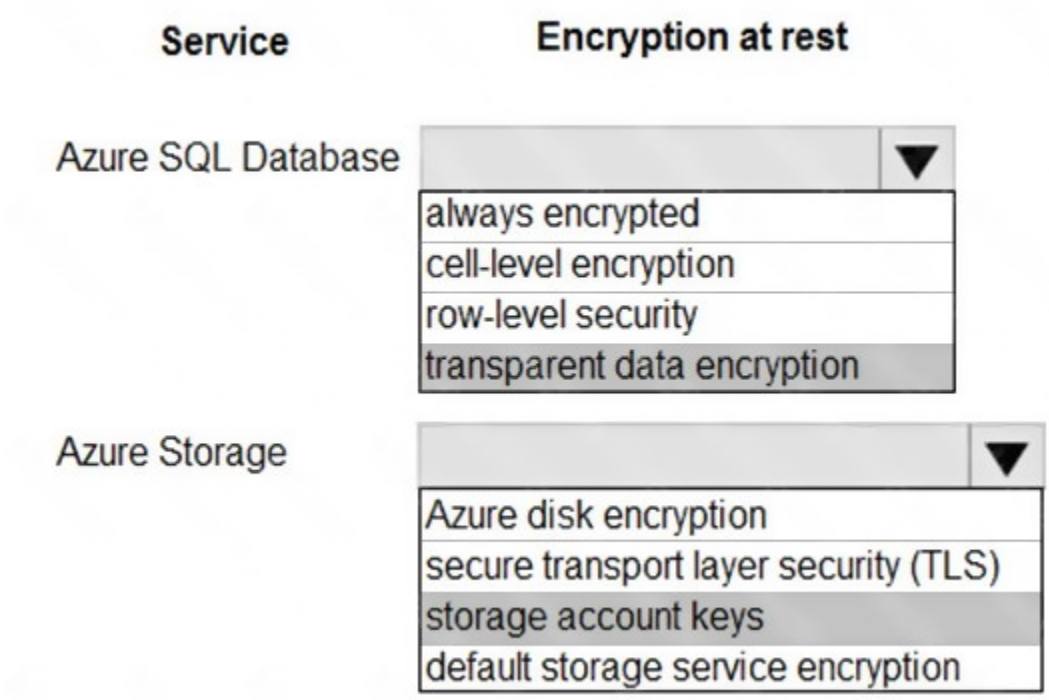
You need to configure security.

What should you implement? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.



Correct Answer:



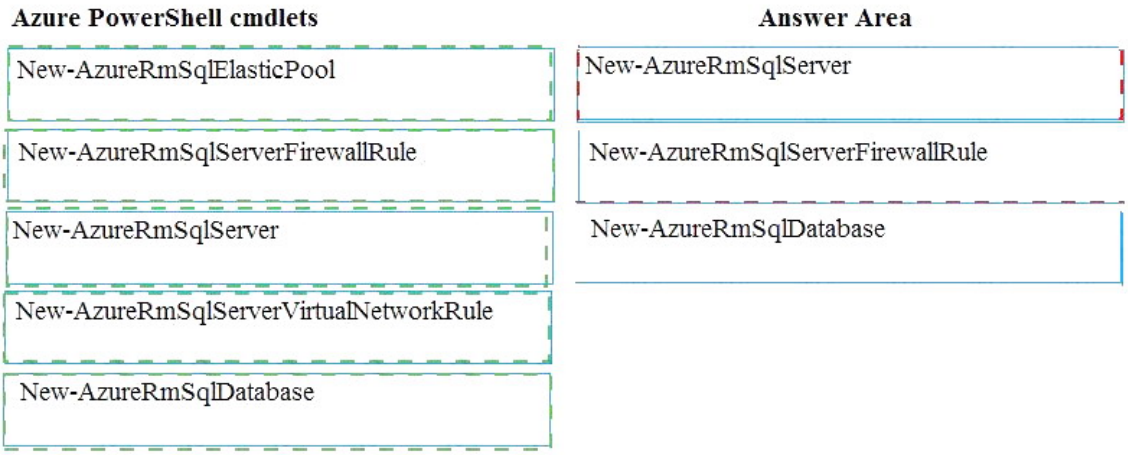
QUESTION 21
DRAG DROP
You plan to create a new single database instance of Microsoft Azure SQL Database.

The database must only allow communication from the data engineer's workstation. You must connect directly to the instance by using Microsoft SQL Server Management Studio.

You need to create and configure the Database. Which three Azure PowerShell cmdlets should you use to develop the solution? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Azure PowerShell cmdlets	Answer Area
New-AzureRmSqlElasticPool	
New-AzureRmSqlServerFirewallRule	
New-AzureRmSqlServer	
New-AzureRmSqlServerVirtualNetworkRule	
New-AzureRmSqlDatabase	

Correct Answer:



QUESTION 22
HOTSPOT
A company is deploying a service-based data environment. You are developing a solution to process this data.

The solution must meet the following requirements:

- Use an Azure HDInsight cluster for data ingestion from a relational database in a different cloud service
- Use an Azure Data Lake Storage account to store processed data
- Allow users to download processed data

You need to recommend technologies for the solution.

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