You need to ensure polling data security requirements are met.

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

NOTE: Each correct selection is worth one point.

Security technology	
Azure Active Directory user	V
Managed Identity	
Database scoped credential	V
Database encryption key	80
Application role	
	Azure Active Directory user Domain Active Directory user Managed Identity Database scoped credential Database encryption key

Correct Answer:

Context	Security technology	
SQL Server	Azure Active Directory user	V
	Domain Active Directory user	
	Managed Identity	
PolyBase	Database scoped credential	V
	Database encryption key	. 60
	Application role	
	A STATE OF THE PARTY OF THE PAR	5

QUESTION 4

You need to ensure that phone-based poling data can be analyzed in the PollingData database. How should you configure Azure Data Factory?

- A. Use a tumbling schedule trigger
- B. Use an event-based trigger
- C. Use a schedule trigger
- D. Use manual execution

Correct Answer: C Explanation:

When creating a schedule trigger, you specify a schedule (start date, recurrence, end date etc.) for the trigger, and associate with a Data Factory pipeline.

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Scenario:

All data migration processes must use Azure Data Factory

All data migrations must run automatically during non-business hours

References:

https://docs.microsoft.com/en-us/azure/data-factory/how-to-create-schedule-trigger

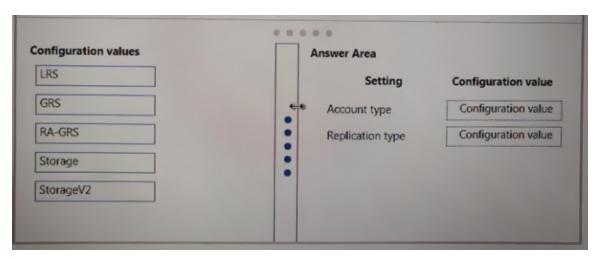
QUESTION 5

DRAG DROP

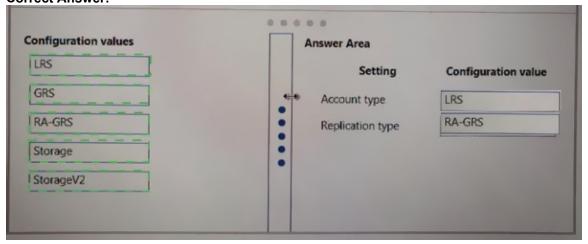
You need to provision the polling data storage account.

How should you configure the storage account? To answer, drag the appropriate Configuration Value to the correct Setting. Each Configuration Value 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.



Correct Answer:



QUESTION 6

HOTSPOT

You need to ensure that Azure Data Factory pipelines can be deployed. How should you configure authentication and authorization for deployments? To answer, select the appropriate options in the answer choices.

NOTE: Each correct selection is worth one point.

Security requirement	Technology	
Authorization	RBAC V	
	DAC	
	MAC	
	Claims	
Authentication	Service Principal Kerberos	٨
	Certificate-based	
	Bearer Token	

Correct Answer:

Authorization Authentication Authentication Authentication Service Principal | ^ Kerberos Certificate-based Bearer Token

Topic 2, Contoso Ltd

Overview

Current environment

Contoso relies on an extensive partner network for marketing, sales, and distribution. Contoso uses external companies that manufacture everything from the actual pharmaceutical to the packaging.

The majority of the company's data reside in Microsoft SQL Server database. Application databases fall into one of the following tiers:

Applications	Tier	Replication	Notes
Internal Contoso	1	Yes	
Internal Contoso	2	SQL Data Sync	Data Sync between databases
Internal Partner	3	Yes	Replicate to Partner
External Contoso	4,5,6	Yes	
External Partner	7,8	No	Partner managed
Internal Distribution and Sales	9	Yes, once ingested at branches	Data ingested from Contoso branches
External Distribution and Sales	10	Yes, once ingested at Contoso main office	Data is ingested from multiple sources

The company has a reporting infrastructure that ingests data from local databases and partner

services. Partners services consists of distributors, wholesales, and retailers across the world. The company performs daily, weekly, and monthly reporting.

Requirements

Tier 3 and Tier 6 through Tier 8 application must use database density on the same server and Elastic pools in a cost-effective manner.

Applications must still have access to data from both internal and external applications keeping the data encrypted and secure at rest and in transit.

A disaster recovery strategy must be implemented for Tier 3 and Tier 6 through 8 allowing for failover in the case of server going offline.

Selected internal applications must have the data hosted in single Microsoft Azure SQL Databases.

- Tier 1 internal applications on the premium P2 tier
- Tier 2 internal applications on the standard S4 tier

The solution must support migrating databases that support external and internal application to Azure SQL Database. The migrated databases will be supported by Azure Data Factory pipelines for the continued movement, migration and updating of data both in the cloud and from local core business systems and repositories.

Tier 7 and Tier 8 partner access must be restricted to the database only.

In addition to default Azure backup behavior, Tier 4 and 5 databases must be on a backup strategy that performs a transaction log backup eve hour, a differential backup of databases every day and a full back up every week.

Back up strategies must be put in place for all other standalone Azure SQL Databases using Azure SQL-provided backup storage and capabilities.

Databases

Contoso requires their data estate to be designed and implemented in the Azure Cloud. Moving to the cloud must not inhibit access to or availability of data.

Databases:

Tier 1 Database must implement data masking using the following masking logic:

Data type	Masking requirement	
A	Mask 4 or less string data type characters	
В	Mask first letter and domain	
С	Mask everything except characters at the beginning and end	

Tier 2 databases must sync between branches and cloud databases and in the event of conflicts must be set up for conflicts to be won by on-premises databases.

Tier 3 and Tier 6 through Tier 8 applications must use database density on the same server and Elastic pools in a cost-effective manner.