Microsoft

DP-200 Exam

Microsoft Implementing an Azure Data Solution



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Version: 20.0

Question:	1

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

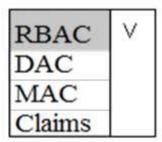
Service Principal	٨
Kerberos	
Certificate-based	
Bearer Token	

Answer:

Security requirement

Technology

Authorization



Authentication

Service Principal	٨
Kerberos	
Certificate-based	
Bearer Token	

Explanation:

The way you control access to resources using RBAC is to create role assignments. This is a key concept to understand – it's how permissions are enforced. A role assignment consists of three elements: security principal, role definition, and scope.

Scenario:

No credentials or secrets should be used during deployments

Phone-based poll data must only be uploaded by authorized users from authorized devices Contractors must not have access to any polling data other than their own Access to polling data must set on a per-active directory user basis

References:

https://docs.microsoft.com/en-us/azure/role-based-access-control/overview

Question: 2

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.

	Answer Area	
Setting	Configuration value	
Account type		
Replication type	9	
r topilouilon typi		
		Answer:
values	Answer Area	
Setting	Configuration value	
Account type	StorageV2	
Replication typ	e RA-GRS	
	Account type Replication type values Setting Account type	Account type Replication type values Answer Area Setting Configuration value Account type StorageV2

Explanation:

Account type: StorageV2

You must create new storage accounts as type StorageV2 (general-purpose V2) to take advantage of Data Lake Storage Gen2 features.

Scenario: Polling data is stored in one of the two locations: An on-premises Microsoft SQL Server 2019 database named PollingData Azure Data Lake Gen 2 Data in Data Lake is queried by using PolyBase

Replication type: RA-GRS

Scenario: All services and processes must be resilient to a regional Azure outage.

If you opt for GRS, you have two related options to choose from:

GRS replicates your data to another data center in a secondary region, but that data is available to be read only if Microsoft initiates a failover from the primary to secondary region.

Read-access geo-redundant storage (RA-GRS) is based on GRS. RA-GRS replicates your data to another data center in a secondary region, and also provides you with the option to read from the secondary region. With RA-GRS, you can read from the secondary region regardless of whether Microsoft initiates a failover from the primary to secondary region.

References:

https://docs.microsoft.com/bs-cyrl-ba/azure/storage/blobs/data-lake-storage-quickstart-create-account

https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs

Question: 3			
HOTSPOT			

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.

<u>sql</u>

Question: 4
DRAG DROP

Context	Security technology	
SQL Server	Azure Active Directory user Domain Active Directory user Managed Identity	
PolyBase	Database scoped credential Database encryption key Application role	
		Answer:
Context	Security technology	
SQL Server	Azure Active Directory user Domain Active Directory user Managed Identity	
PolyBase	Database scoped credential Database encryption key Application role	
Explanation:		
Box 1: Azure Active Dir Scenario: Access to polling data r	ectory user must set on a per-active directory user basis	
Box 2: DataBase Scope SQL Server uses a data secured Hadoop cluste	base scoped credential to access non-public A	zure blob storage or Kerberos-
PolyBase cannot authe	nticate by using Azure AD authentication.	
References:		

https://docs.microsoft.com/en-us/sql/t-sql/statements/create-database-scoped-credential-transact-

You need to ensure that phone-based polling data can be analyzed in the PollingData database.

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

Actions

Parameterize deployment by using Azure Integration Runtime

Configure an Azure Logic App to deploy the deployment artifact

Configure Azure DevOps to deploy the deployment artifact

Create a deployment artifact containing an extracted Azure Resource Manager template

Parameterize deployment by using the Azure Resource Manager template parameter file

Create a deployment artifact containing a SQL Server Integration Services (SSIS) package

Answer Area

Answer Area

Create a deployment artifact containing an extracted Azure Resource Manager template

Parameterize deployment by using the Azure Resource Manager template parameter file

Configure Azure DevOps to deploy the deployment artifact

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Scenario:

All deployments must be performed by using Azure DevOps. Deployments must use templates used in multiple environments

No credentials or secrets should be used during deployments

Question: 5

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

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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