

DP-200 Exam

Microsoft Implementing an Azure Data Solution



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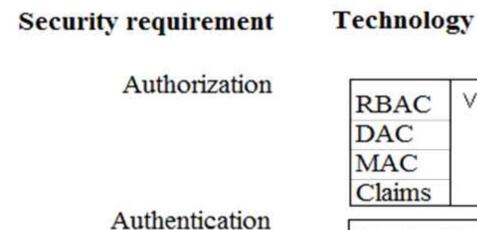
Version: 20.0

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.



RBAC DAC MAC Claims

Service Principal Kerberos Certificate-based Bearer Token

Answer:

Security requirement

Authorization

Technology



Authentication

Service Principal

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.

Configuratio	n values	Answer Area	
LRS	Setting	Configuration value	1
GRS	Account type		
RA-GRS	Replication typ		
Storage	replication typ		
StorageV2			
			Answer:
Configuratio	n values	Answer Area	
LRS	Setting	Configuration value	•
GRS	Account type	StorageV2	
Storage	Replication typ	e RA-GRS	

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-createaccount

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.

Context Security technology

COL Comron		
SQL Server	Azure Active Directory user	V
	Domain Active Directory user	
	Managed Identity	
PolyBase	Database scoped credential	V
-		.×.
	Database encryption key	

Application role

Answer:

Context Security technology

COL Courses		
SQL Server	Azure Active Directory user	V.
	Domain Active Directory user	
	Managed Identity	1
		1
PolyBase	Database scoped credential	V
	Database encryption key	
	Application role	

Explanation:

Box 1: Azure Active Directory user Scenario: Access to polling data must set on a per-active directory user basis

Box 2: DataBase Scoped Credential

SQL Server uses a database scoped credential to access non-public Azure blob storage or Kerberossecured Hadoop clusters with PolyBase.

PolyBase cannot authenticate by using Azure AD authentication.

References:

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

Question: 4

DRAG DROP

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

Answer Area

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:

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

Explanation: 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

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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