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# Question 1

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## Question Type: MultipleChoice

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You deploy two instances of an Azure web app. One instance is in the East US Azure region and the other instance is in the West US Azure region. The web app uses Azure Blob storage to deliver large files to end users.

You need to recommend a solution for delivering the files to the users. The solution must meet the following requirements:

Ensure that the users receive files from the same region as the web app that they access.

Ensure that the files only need to be updated once.

Minimize costs.

What should you include in the recommendation?

### Options:

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- A- Azure File Sync
- B- Distributed File System (DFS)
- C- read-access geo-redundant storage (RA-GRS)
- D- geo-redundant storage (GRS)

**Answer:**

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C

## Question 2

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**Question Type:** MultipleChoice

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You store web access logs data in Azure Blob storage.

You plan to generate monthly reports from the access logs.

You need to recommend an automated process to upload the data to Azure SQL Database every month.

What should you include in the recommendation?

**Options:**

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**A-** Azure Data Factory

**B-** Data Migration Assistant

**C-** Microsoft SQL Server Migration Assistant (SSMA)

D- AzCopy

### Answer:

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A

### Explanation:

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Azure Data Factory is the platform that solves such data scenarios. It is the cloud-based ETL and data integration service that allows you to create data-driven workflows for orchestrating data movement and transforming data at scale. Using Azure Data Factory, you can create and schedule data-driven workflows (called pipelines) that can ingest data from disparate data stores. You can build complex ETL processes that transform data visually with data flows or by using compute services such as Azure HDInsight Hadoop, Azure Databricks, and Azure SQL Database.

<https://docs.microsoft.com/en-gb/azure/data-factory/introduction>

## Question 3

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**Question Type:** MultipleChoice

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You have the resources shown in the following table.

Name	Type
AS1	Azure Synapse Analytics instance
CDB1	Azure Cosmos DB SQL API account

CDB1 hosts a container that stores continuously updated operational data.

You are designing a solution that will use AS1 to analyze the operational data daily.

You need to recommend a solution to analyze the data without affecting the performance of the operational data store.

What should you include in the recommendation?

### Options:

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- A- Azure Cosmos DB change feed
- B- Azure Data Factory with Azure Cosmos DB and Azure Synapse Analytics connectors
- C- Azure Synapse Analytics with PolyBase data loading
- D- Azure Synapse Link for Azure Cosmos DB

### Answer:

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C

## Question 4

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**Question Type: MultipleChoice**

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You plan to deploy an Azure SQL database that will store Personally Identifiable Information (PII). You need to ensure that only privileged users can view the PII.

What should you include in the solution?

**Options:**

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- A- Transparent Data Encryption (TDE)
- B- Data Discovery & Classification
- C- dynamic data masking
- D- role-based access control (RBAC)

**Answer:**

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D

## Question 5

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**Question Type: MultipleChoice**

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You plan to deploy an app that will use an Azure Storage account.

You need to deploy the storage account. The solution must meet the following requirements:

- \* Store the data of multiple users.
- \* Encrypt each user's data by using a separate key.
- \* Encrypt all the data in the storage account by using Microsoft keys or customer-managed keys.

What should you deploy?

### Options:

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- A-** files in a general purpose v2 storage account.
- B-** blobs in an Azure Data Lake Storage Gen2 account.
- C-** files in a premium file share storage account.
- D-** blobs in a general purpose v2 storage account

### Answer:

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B

## Question 6

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**Question Type:** MultipleChoice

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You have data files in Azure Blob Storage.

You plan to transform the files and move them to Azure Data Lake Storage.

You need to transform the data by using mapping data flow.

Which service should you use?

### Options:

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**A-** Azure Data Box Gateway

**B-** Azure Databricks

**C-** Azure Data Factory

**D-** Azure Storage Sync

### Answer:

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C



## **Explanation:**

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You can use Copy Activity in Azure Data Factory to copy data from and to Azure Data Lake Storage Gen2, and use Data Flow to transform data in Azure Data Lake Storage Gen2.

<https://docs.microsoft.com/en-us/azure/data-factory/connector-azure-data-lake-storage>

## **Question 7**

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### **Question Type: MultipleChoice**

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You have an application that is used by 6,000 users to validate their vacation requests. The application manages its own credential

Users must enter a username and password to access the application. The application does NOT support identity providers.

You plan to upgrade the application to use single sign-on (SSO) authentication by using an Azure Active Directory (Azure AD) application registration.

Which SSO method should you use?

## **Options:**

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- A- password-based
- B- OpenID Connect
- C- header-based
- D- SAML

**Answer:**

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A

## Question 8

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**Question Type:** MultipleChoice

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You plan to deploy an application named App1 that will run on five Azure virtual machines. Additional virtual machines will be deployed later to run App1.

You need to recommend a solution to meet the following requirements for the virtual machines that will run App1:

Ensure that the virtual machines can authenticate to Azure Active Directory (Azure AD) to gain access to an Azure key vault, Azure Logic Apps instances, and an Azure SQL database.

Avoid assigning new roles and permissions for Azure services when you deploy additional virtual machines.

Avoid storing secrets and certificates on the virtual machines.

Which type of identity should you include in the recommendation?

**Options:**

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- A- a service principal that is configured to use a certificate
- B- a system-assigned managed identity
- C- a service principal that is configured to use a client secret
- D- a user-assigned managed identity

**Answer:**

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D

**Explanation:**

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Managed identities for Azure resources is a feature of Azure Active Directory.

User-assigned managed identity can be shared. The same user-assigned managed identity can be associated with more than one Azure resource.

Incorrect Answers:

B: System-assigned managed identity cannot be shared. It can only be associated with a single Azure resource.

<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

## Question 9

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**Question Type:** MultipleChoice

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You have an Azure subscription.

You need to recommend a solution to provide developers with the ability to provision Azure virtual machines. The solution must meet the following requirements:

- \* Only allow the creation of the virtual machines in specific regions.
- \* Only allow the creation of specific sizes of virtual machines.

What should you include in the recommendation?

**Options:**

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- A- Conditional Access policies
- B- role-based access control (RBAC)
- C- Azure Resource Manager (ARM) templates
- D- Azure Policy

**Answer:**

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D

**Explanation:**

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<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

<https://docs.microsoft.com/en-us/azure/cloud-adoption-framework/manage/azure-server-management/common-policies#restrict-vm-size>

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