

DP-203 Microsoft Azure Data Engineer

Sample Practice Questions on Azure Data Factory

30th July 2021

Quiz Time

Quiz Time - ADF

Question 1 A company wants to use a set of services on Azure. They want to make use of Platform-as-a-service products to create a new data pipeline process. They have the following requirements

Data Ingestion

- This layer must provide access to multiple sources
- This layer must provide the ability to orchestrate a workflow
- It must also provide the capability to run SQL Server Integration Service packages

Storage

- The storage layer must be optimized for Big Data workloads
- It must provide encryption of data at rest
- There must be no size constraints

Prepare and Train

- This layer must provide a fully managed interactive workspace for exploration and visualization
- Here you should be able to program in R, SQL or Scala
- It must provide seamless user authentication with Azure Active Directory

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Question 1 Continued :

Model and Service

- This layer must provide support for SQL language
- It must implement native columnar storage

What technology should they be using for the “Data Ingestion” layer?

- 1) Azure Logic Apps
- 2) Azure Data Factory – Answer
- 3) Azure Automations
- 4) Azure Functions

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Question 2

The Azure Data Factory instance have to meet the requirements to move the data from the On-premise SQL Servers to Azure. What should you be using for as the integration runtime?

- 1) Azure SSIS Integration Runtime
- 2) .Net Common Language Runtime
- 3) Azure Integration Runtime
- 4) Self Hosted Integration Runtime - Answer

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Question 3

You have an Azure data factory.

You need to examine the pipeline failures from the last 60 days.

What would you use?

- 1) Azure Monitor -Answer
- 2) Resource health blade for the data factory resource
- 3) the activity log blade for the data factory
- 4) the monitor and manage app in the data factory

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Question 4

Which Azure Data Factory component orchestrates a transformation job or runs a data movement command?

- A) Linked Services
- B) Datasets
- C) Activities -Answer

Question 5

You are moving data from an Azure Data Lake Gen2 store to Azure Synapse Analytics. Which Azure Data Factory integration runtime would be used in a data copy activity?

- A) Azure-SSIS
- B) Azure -Answer
- C) Self-hosted

Thank you!