

[⚙ Custom View Settings](#)

Question #25

Topic 2

You have an Azure Storage account and a data warehouse in Azure Synapse Analytics in the UK South region.

You need to copy blob data from the storage account to the data warehouse by using Azure Data Factory. The solution must meet the following requirements:

- 👁 Ensure that the data remains in the UK South region at all times.
- 👁 Minimize administrative effort.

Which type of integration runtime should you use?

- A. Azure integration runtime
- B. Azure-SSIS integration runtime
- C. Self-hosted integration runtime

HOTSPOT -

You have an Azure SQL database named Database1 and two Azure event hubs named HubA and HubB. The data consumed from each source is shown in the following table.

Source	Data
Database1	Driver's name Driver's license number
HubA	Ride route Ride distance Ride duration
HubB	Ride fare Ride payment

You need to implement Azure Stream Analytics to calculate the average fare per mile by driver.

How should you configure the Stream Analytics input for each source? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

HubA: ▼

Stream

Reference

HubB: ▼

Stream

Reference

Database1: ▼

Stream

Reference

You have an Azure Stream Analytics job that receives clickstream data from an Azure event hub.

You need to define a query in the Stream Analytics job. The query must meet the following requirements:

- ☞ Count the number of clicks within each 10-second window based on the country of a visitor.
- ☞ Ensure that each click is NOT counted more than once.

How should you define the Query?

- A. SELECT Country, Avg(*) AS Average FROM ClickStream TIMESTAMP BY CreatedAt GROUP BY Country, SlidingWindow(second, 10)
- B. SELECT Country, Count(*) AS Count FROM ClickStream TIMESTAMP BY CreatedAt GROUP BY Country, TumblingWindow(second, 10)
- C. SELECT Country, Avg(*) AS Average FROM ClickStream TIMESTAMP BY CreatedAt GROUP BY Country, HoppingWindow(second, 10, 2)
- D. SELECT Country, Count(*) AS Count FROM ClickStream TIMESTAMP BY CreatedAt GROUP BY Country, SessionWindow(second, 5, 10)

HOTSPOT -

You are building an Azure Analytics query that will receive input data from Azure IoT Hub and write the results to Azure Blob storage.

You need to calculate the difference in the number of readings per sensor per hour.

How should you complete the query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
SELECT sensorId,  
       growth = reading -  
           (reading) OVER (PARTITION BY sensorId  
                           (reading) OVER (PARTITION BY sensorId  
                                           LIMIT DURATION  
                                           OFFSET  
                                           WHEN  
                                           (hour,1))  
FROM input
```

You need to schedule an Azure Data Factory pipeline to execute when a new file arrives in an Azure Data Lake Storage Gen2 container.

Which type of trigger should you use?

- A. on-demand
- B. tumbling window
- C. schedule
- D. event

[← Previous Questions](#)[Next Questions →](#)