AZ-220 Q&As

Microsoft Azure IoT Developer

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QUESTION 1

You are developing an Azure IoT Central application.

You add a new custom device template to the application.

You need to add a fixed location value to the device template. The value must be updated by the physical IoT device, read-only to device operators, and not graphed by IoT Central.

What should you add to the device template?

A. a Location property

B. a Location telemetry

C. a Cloud property

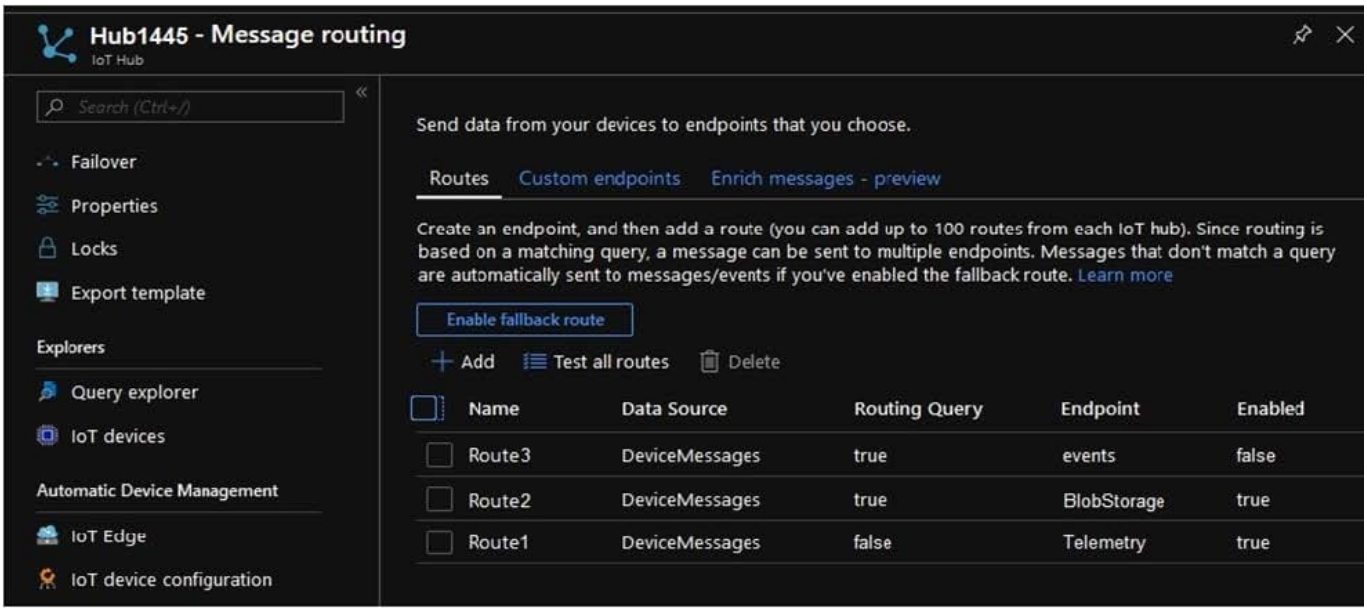
Correct Answer: A

For example, a builder can create a device template for a connected fan that has the following characteristics: Sends temperature telemetry Sends location property

Reference: https://docs.microsoft.com/en-us/azure/iot-central/core/howto-set-up-template

QUESTION 2

You have an Azure Stream Analytics job that connects to an Azure IoT hub named Hub1445 as a streaming data source. Hub1445 is configured as shown in the exhibit.



The Stream Analytics job fails to receive any messages from the IoT hub. What should you do to resolve the issue?

A. Change the Route1 route query to true.

B. Enable the Route3 route.

C. Disable the Route2 route.

D. Enable the fallback route.

Correct Answer: B

The device telemetry is usually passed as JSON from the device through the IoT Hub - this is handled nicely by Azure Streaming Analytics queries. The IoT Hub message routing should be configured as follows: Data source: Device Telemetry Messages Routing query: true (as the routing query is an expression that evaluates to true or false for each received message, the simplest way to send all messages to the endpoint is to just supply true as the query).

Reference: https://darenmay.com/blog/azure-iot-streaming-analytics-data-lake-analytics-and-json/

QUESTION 3

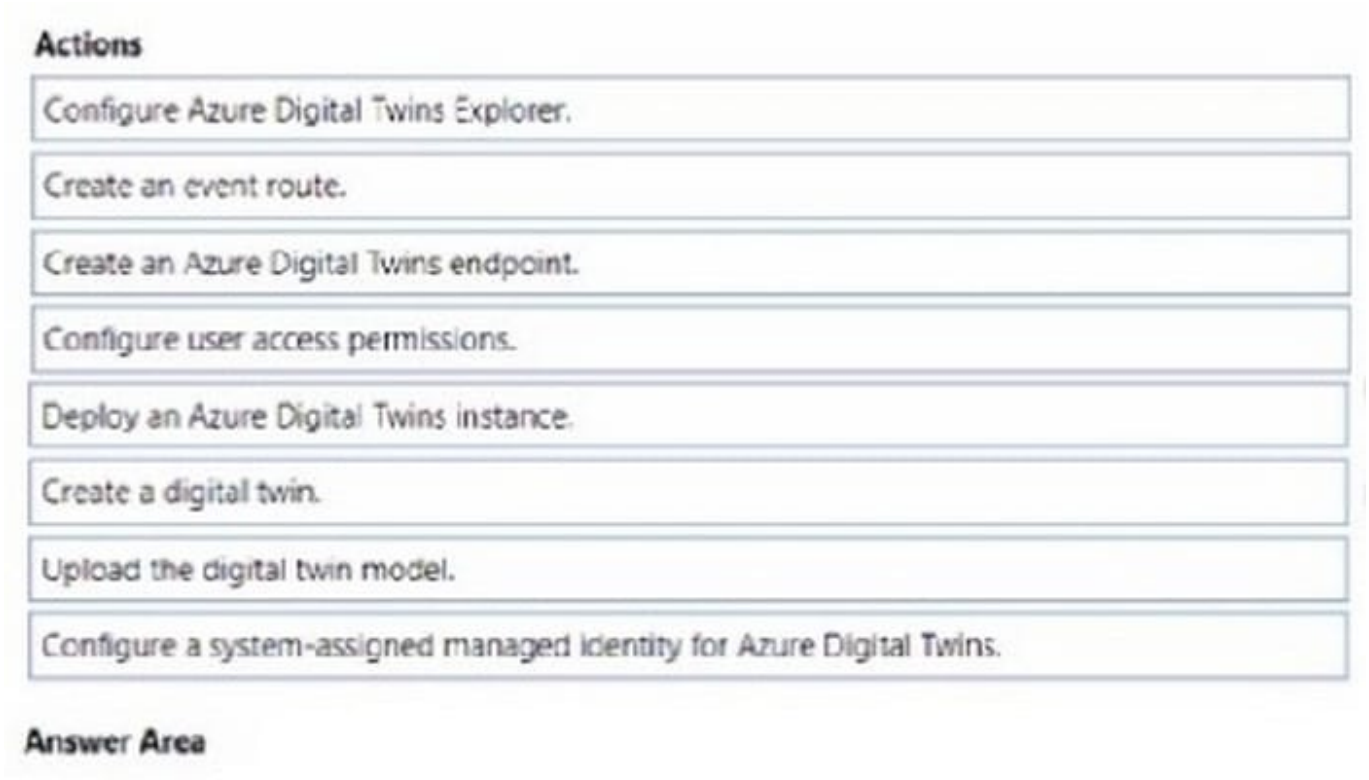
DRAG DROP

You need to configure a digital twin to accept device telemetry data from the IoT hub

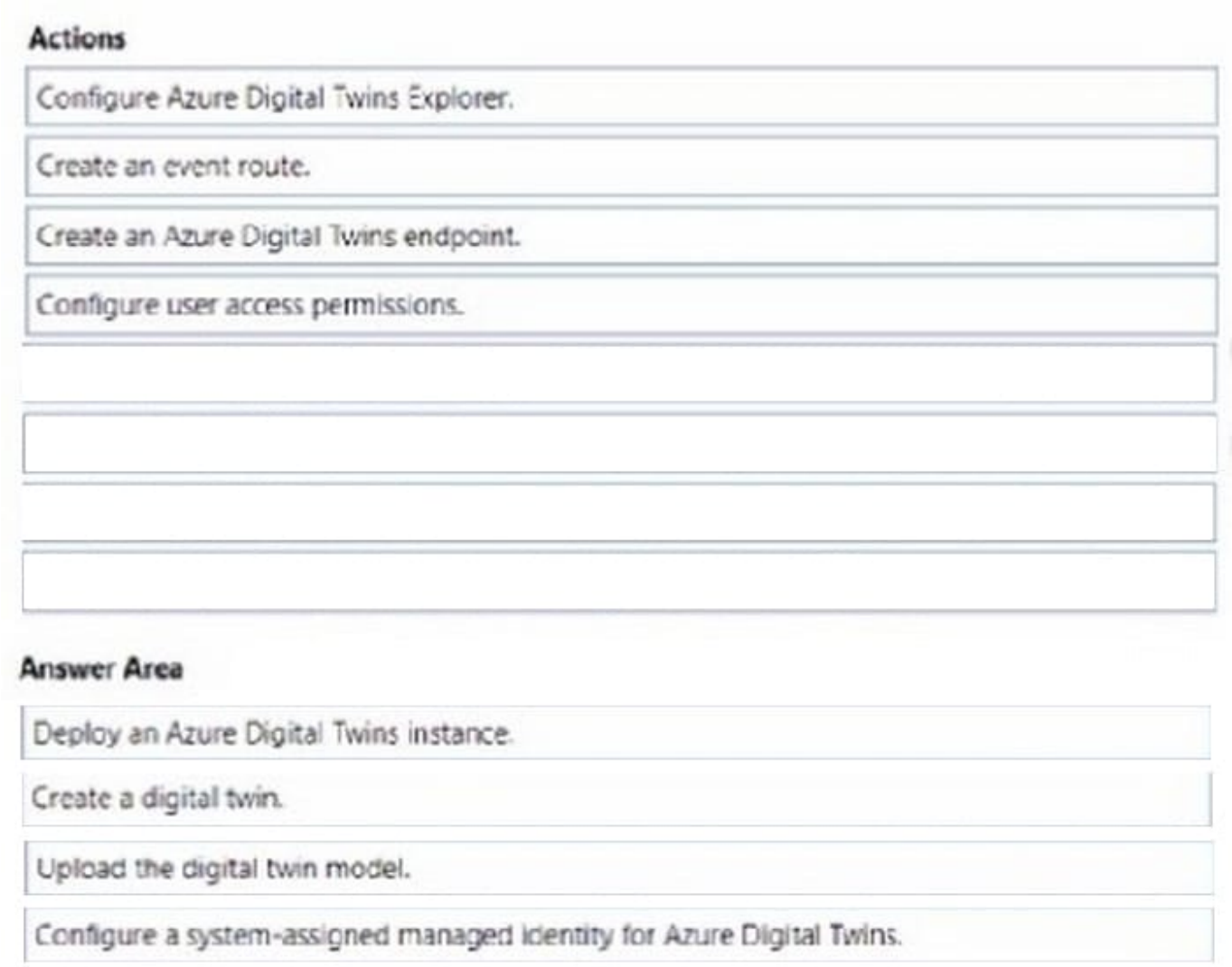
Which four actions should you perform m sequence?

To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



Correct Answer:



QUESTION 4

HOTSPOT

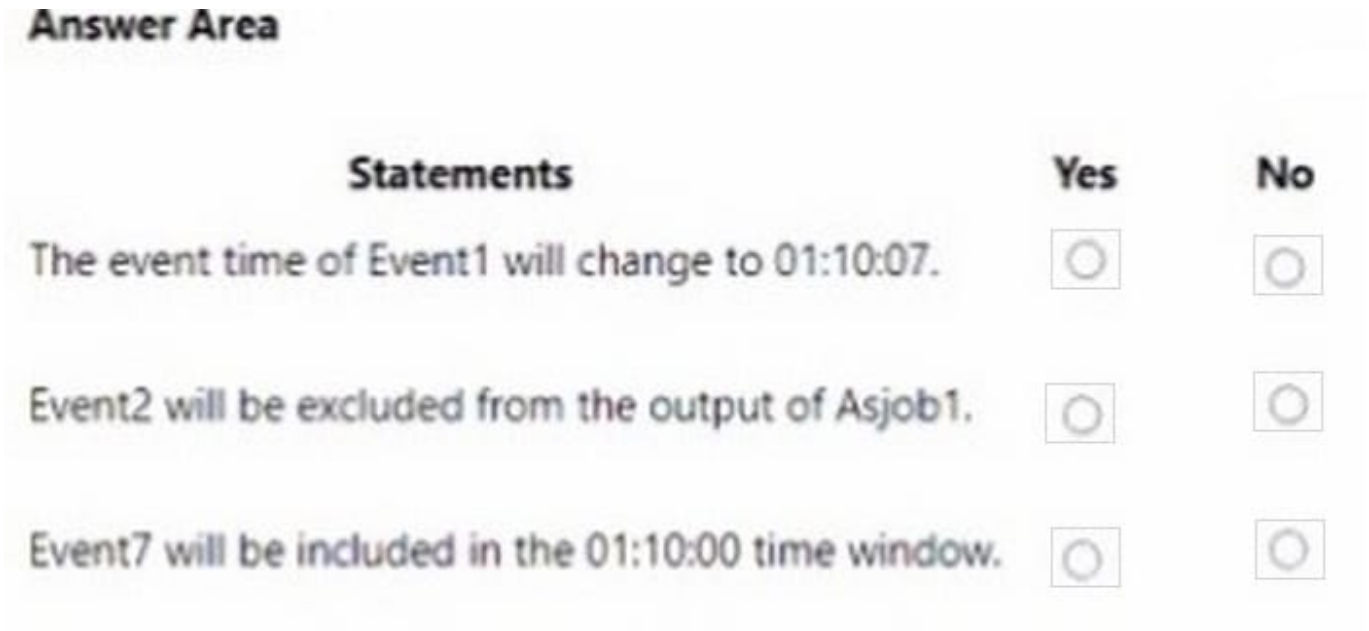
You have an Azure Stream Analytics job named Asjob1 that uses the following query.

Asjob1 receives the events shown in the following table.

Name	Event time hh:mm:ss	Arrival time hh:mm:ss
Event1	01:10:01	01:10:07
Event2	01:10:02	01:10:30
Event3	01:10:03	01:10:04
Event4	01:10:04	01:10:05
Event5	01:10:05	01:10:15
Event6	01:10:06	01:10:07
Event7	01:10:07	01:10:11

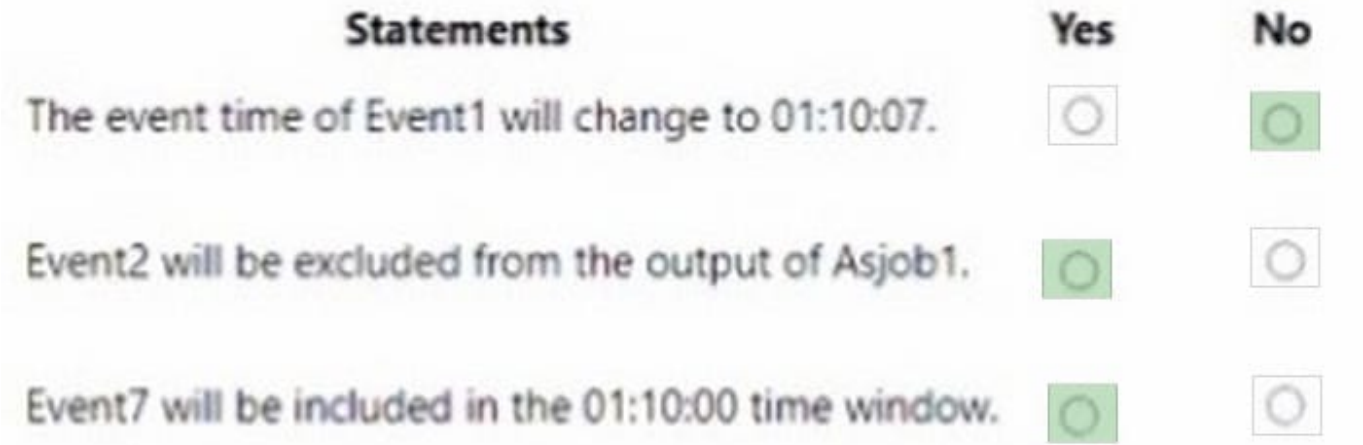
For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:

Answer Area



QUESTION 5

DRAG DROP

You need to add Time Series Insights to the solution to meet the pilot requirements.

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

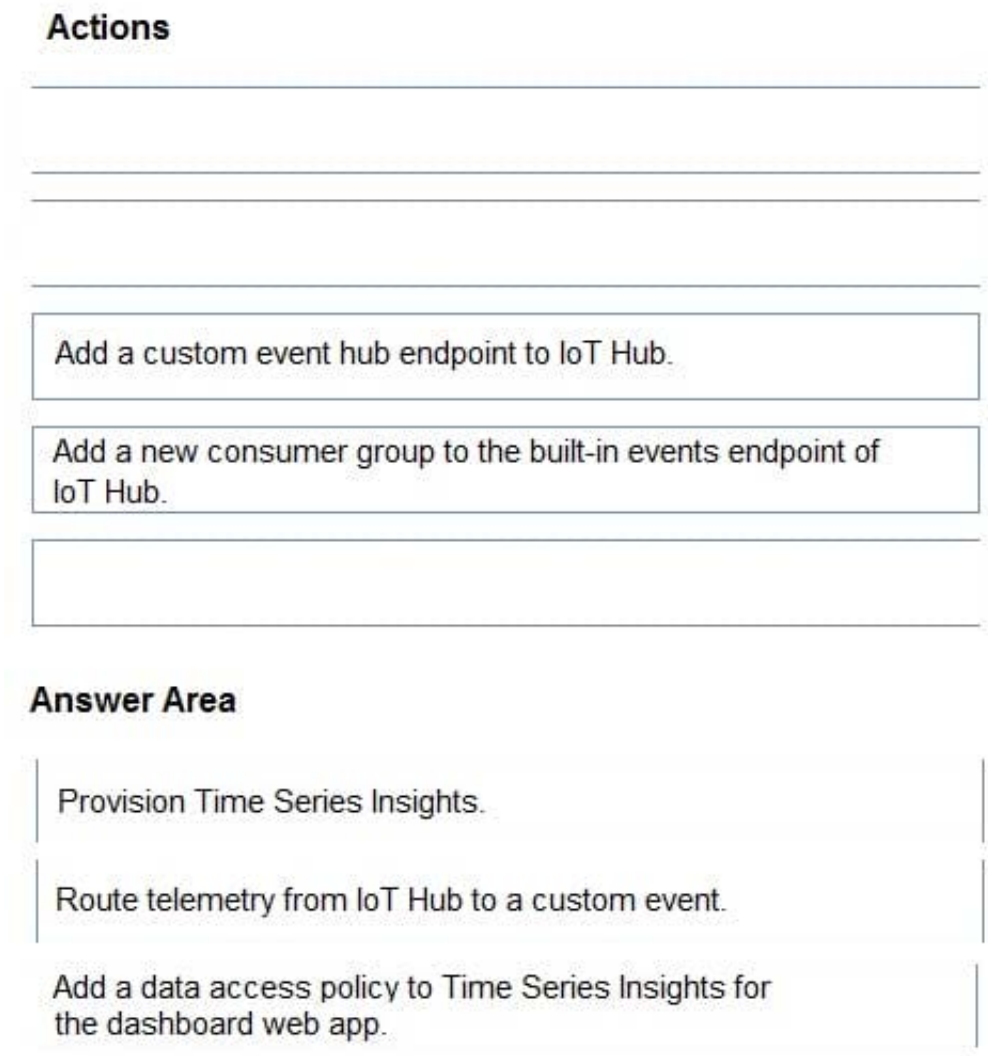
Select and Place:

Actions

Route telemetry from IoT Hub to a custom event.
Provision Time Series Insights.
Add a custom event hub endpoint to IoT Hub.
Add a new consumer group to the built-in events endpoint of IoT Hub.
Add a data access policy to Time Series Insights for the dashboard web app.

Answer Area

Correct Answer:



Step 1: Provision Time Series Insights

Select Provision new IoT Hub to create a new IoT hub.

Step 2: Route telemetry from IoT Hub to a custom event.

Step 3: Add a data access policy to Time Series Insights for the dashboard web app

Scenario: Requirements. Pilot Requirements

During the pilot phase, devices will be deployed to 10 offices. Each office will have up to 1,000 devices.

During this phase, you will add Azure Time Series Insights in parallel to Stream Analytics to support real-time graphs and queries in a dashboard web app.

The pilot deployment must minimize operating costs.

Incorrect Answers:

No need to use an endpoint.

Reference:

https://docs.microsoft.com/en-us/azure/time-series-insights/time-series-insights-update-create-environment