AZ-220^{Q&As}

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Microsoft Azure IoT Developer

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QUESTION 1

You have an existing Azure IoT hub.

You use IoT Hub jobs to schedule long running tasks on connected devices.

Which two operations do the IoT Hub jobs support directly? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Trigger Azure functions.

B. Invoke direct methods.

C. Update desired properties.

D. Send cloud-to-device messages.

E. Disable IoT device registry entries.

Correct Answer: BC

Consider using jobs when you need to schedule and track progress any of the following activities on a set of devices: Invoke direct methods Update desired properties Update tags

Reference: https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-jobs

QUESTION 2

During the POV phase, telemetry from IoT Hub stops flowing to the hot path. The cold path continues to work.

What should you do to restore the hot path?

A. Disable the fallback route.

B. Run the Test all routes action.

C. Create an explicit route for the hot path.

D. Modify cold-route to send only some telemetry data to the cold path.

Correct Answer: C

QUESTION 3

HOTSPOT

You have an Azure IoT hub You have four Azure IoT Edge devices and. The device twin code shown in the following table.

Name	Code

Device1	`"tags": {`
	`    "office": "Seattle-1"`
	`},`

Device2	`"tags": {`
	`    "office": "Seattle-2"`
	`},`

Device3	`"tags": {`
	`    "office": "London"`
	`},`

Device4	`"tags": {`
	`    "office": "LDN"`
	`},`

You have three deployments and the deployment code shown in the following table.

Name	Code

Deployment1	`{`
	`    "id": "deploysim",`
	`    "priority": 10,`
	`    "targetCondition": "tags.office='Seattle-*' ",`
	
	`"$edgeHub": {`
	`            "properties.desired": {`
	`                "routes": {`
	`                    "MyModule1": "FROM /messages/modules/ MyModule1/* INTO $upstream"`
	`                }`

Deployment2	`{`
	`    "id": "deploysim",`
	`    "priority": 20,`
	`    "targetCondition": "tags.office='London' ",`
	
	`"$edgeHub": {`
	`            "properties.desired": {`
	`                "routes": {`
	`                    "MyModule1": "FROM /messages/modules/ MyModule1/* INTO $upstream"`
	`                }`

Deployment3	`{`
	`    "id": "deploysim",`
	`    "priority": 30,`
	`    "targetCondition": "tags.office='London' OR tags.office='LDN' ",`
	
	`"$edgeHub": {`
	`            "properties.desired": {`
	`                "routes": {`
	`                    "MyModule2": "FROM /messages/modules/ MyModule2/* INTO $upstream"`
	`                }`

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:

Answer Area

Statements	Yes	No
The IoT hub receives messages from the MyModule1 route of Device2.	○	○
The IoT hub receives messages from the MyModule2 route of Device3.	○	○
The IoT hub receives messages from the MyModule2 route of Device4.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
The IoT hub receives messages from the MyModule1 route of Device2.	●	○
The IoT hub receives messages from the MyModule2 route of Device3.	○	●
The IoT hub receives messages from the MyModule2 route of Device4.	●	○

QUESTION 4

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a custom Azure IoT Edge module.

The module needs to identify the device ID of the local device.

Solution: You configure the module to read the device ID of the device twin.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

Device twins are JSON documents that store device state information including metadata, configurations, and conditions. Azure IoT Hub maintains a device twin for each device that you connect to IoT Hub. Device identity properties. The root of the device twin JSON document contains the read-only properties from the corresponding device identity stored in the identity registry.

Reference: https://docs.microsoft.com/en-us/azure/iot-hub/iot-hub-devguide-device-twins

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QUESTION 5

DRAG DROP

You have an Azure subscription that contains an Azure IoT hub and 100 IoT devices.

The devices connect to the IoT hub by using the Message Queuing Telemetry Transport (MQTT) protocol and authenticate to the IoT hub by using symmetric keys

You need to configure the username and password for the MQTT connection.

What should you use? To answer, drag the appropriate components to the correct targets. Each component 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.

Select and Place:

Components

The device ID
The MAC address
The X.509 public key
The symmetric key of the device
The shared access signature (SAS) token

Answer Area

Username: {IoThubhostname}/

Password:

Correct Answer:

Components

The MAC address
The X.509 public key
The symmetric key of the device

Answer Area

Username: {IoThubhostname}/ | The device ID

Password: | The shared access signature (SAS) token