AZ-220 Q&As

Microsoft Azure IoT Developer

Pass Microsoft AZ-220 Exam with 100% Guarantee

Free Download Real Questions & Answers **PDF** and **VCE** file from:

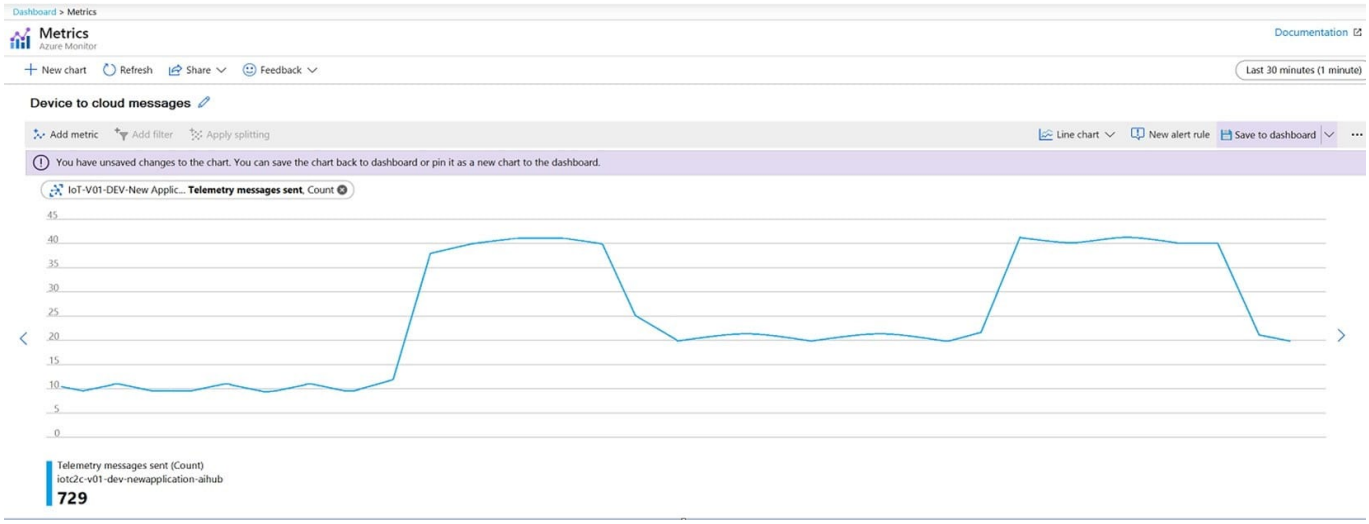
https://www.geekcert.com/az-220.html

100% Passing Guarantee
100% Money Back Assurance

Following Questions and Answers are all new published by Microsoft Official Exam Center

QUESTION 1

You have 20 devices that connect to an Azure IoT hub. You open Azure Monitor as shown in the exhibit.



You discover that telemetry is not being received from five IoT devices.

You need to identify the names of the devices that are not generating telemetry and visualize the data.

What should you do first?

A. Add the Number of throttling errors metric and archive the logs to an Azure storage account.

B. Configure diagnostics for Routes and stream the logs to Azure Event Hubs.

C. Add the Telemetry messages sent metric and archive the logs to an Azure Storage account.

D. Configure diagnostics for Connections and send the logs to Azure Log Analytics.

Correct Answer: D

To log device connection events and errors, turn on diagnostics for IoT Hub. We recommend turning on these logs as early as possible, because if diagnostic logs aren\\'t enabled, when device disconnects occur, you won\\'t have any information to troubleshoot the problem with.

1.

Sign in to the Azure portal.

2.

Browse to your IoT hub.

3.

Select Diagnostics settings.

4.

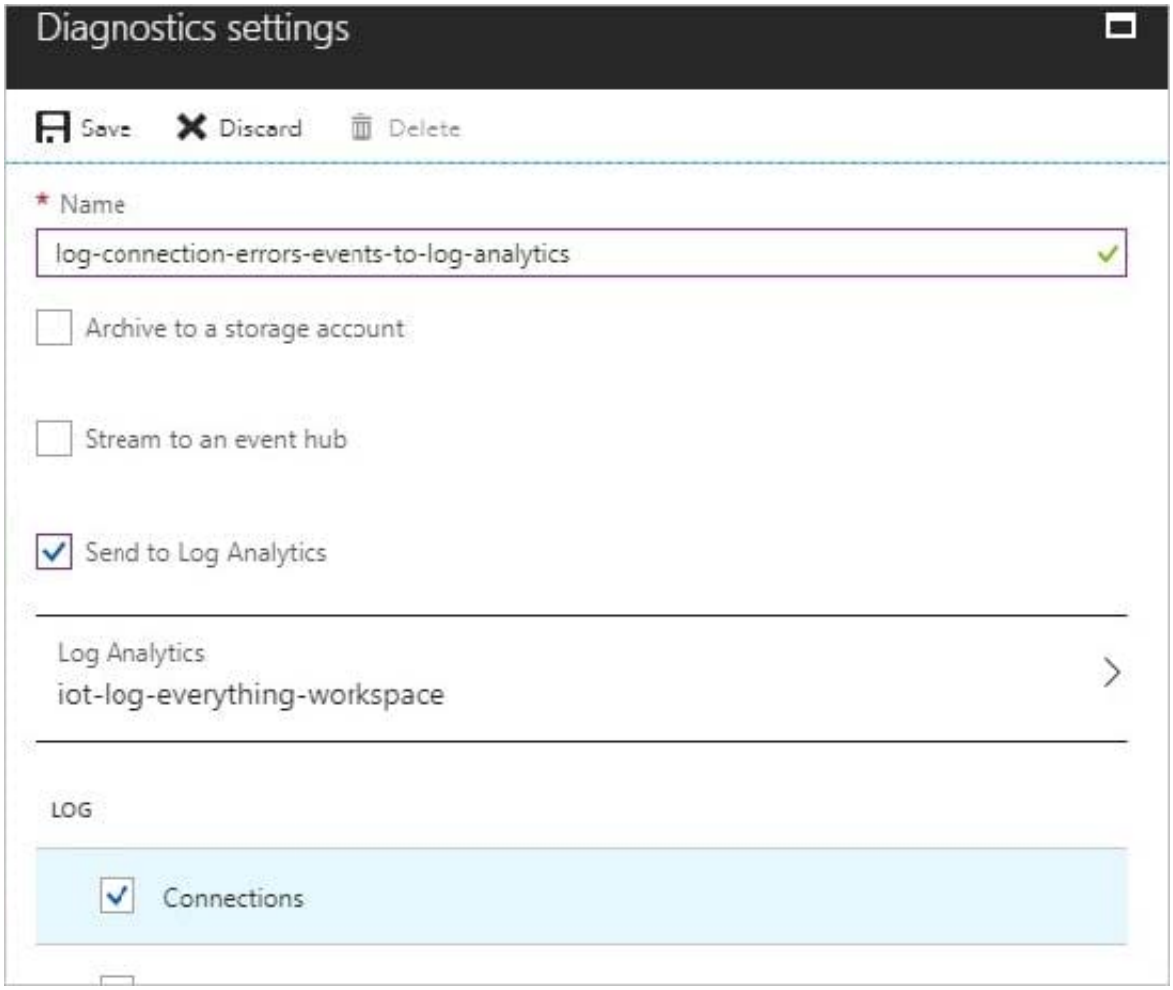
Select Turn on diagnostics.

5.

Enable Connections logs to be collected.

6.

For easier analysis, turn on Send to Log Analytics



Reference: https://docs.microsoft.com/bs-cyrl-ba/azure/Iot-hub/iot-hub-troubleshoot-connectivity

QUESTION 2

HOTSPOT

You have an Azure IoT Edge automatic deployment named D1 that deploys a temperature module to five IoT Edge devices.

D1 has a deployment priority of 10 and the following module configuration.

```
"TemperatureModule": {
  "properties.desired": {
    "SendData": true,
    "SendInterval": 5
  }
}
```

You need to create a new layered deployment that will add a new twin property named ReportingMode. The new deployment must not overwrite the existing module configurations set by D1.

How should you configure the deployment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

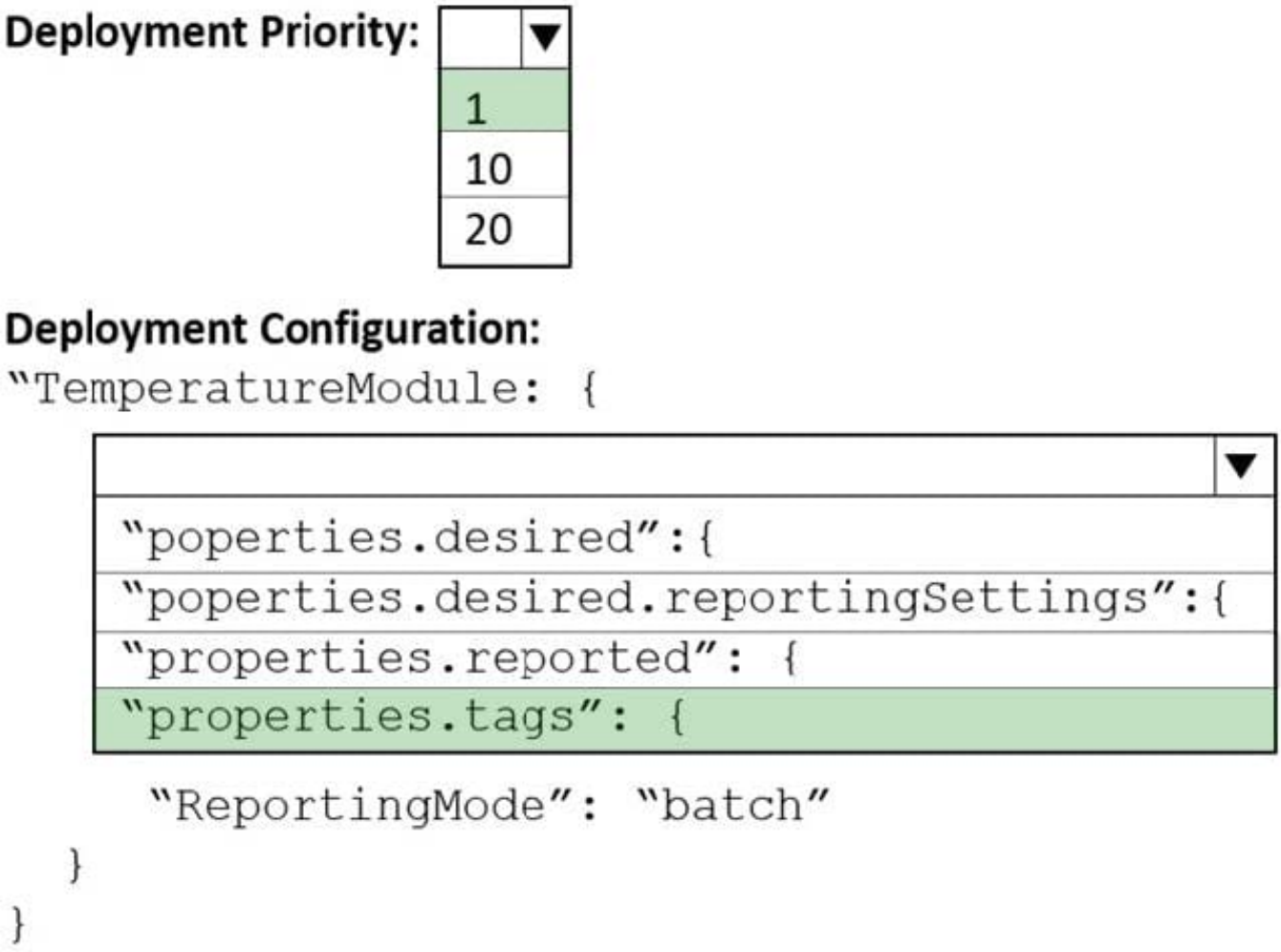
Deployment Priority: [▼]
- 1
- 10
- 20

Deployment Configuration:

```
"TemperatureModule: {
    [ ▼ ]
      "ReportingMode": "batch"
  }
}
```

- "poperties.desired":{
- "poperties.desired.reportingSettings":{
- "properties.reported": {
- "properties.tags": {

Correct Answer:



Box 1: 1

A priority defines whether a deployment should be applied to a targeted device relative to other deployments. A deployment priority is a positive integer, with larger numbers denoting higher priority. If an IoT Edge device is targeted by more

than one deployment, the deployment with the highest priority applies. Deployments with lower priorities are not applied, nor are they merged. If a device is targeted with two or more deployments with equal priority, the most recently created

deployment (determined by the creation timestamp) applies.

Box 2: "properties.tags": {

You create a deployment manifest and then define which devices it applies to based on tags in the device twin.

Reference:

https://docs.microsoft.com/en-us/azure/iot-edge/module-deployment-monitoring

QUESTION 3

HOTSPOT

You have an Azure IoT solution that includes an Azure IoT hub and 50 IoT devices. The device twins have the following structure.

```
{
  "tags": {
    "deploymentLocation": "Building 4, Room 100"
  },
  "properties": {
    "desired": {
      "firmwareVersion": "2.0",
      },
    },
    "reported": {
      "firmwareVersion": "1.0",
      },
    }
  }
}
```

You need to configure message enrichments to add the following values to messages:

1.

The device deployment location

2.

The device firmware version

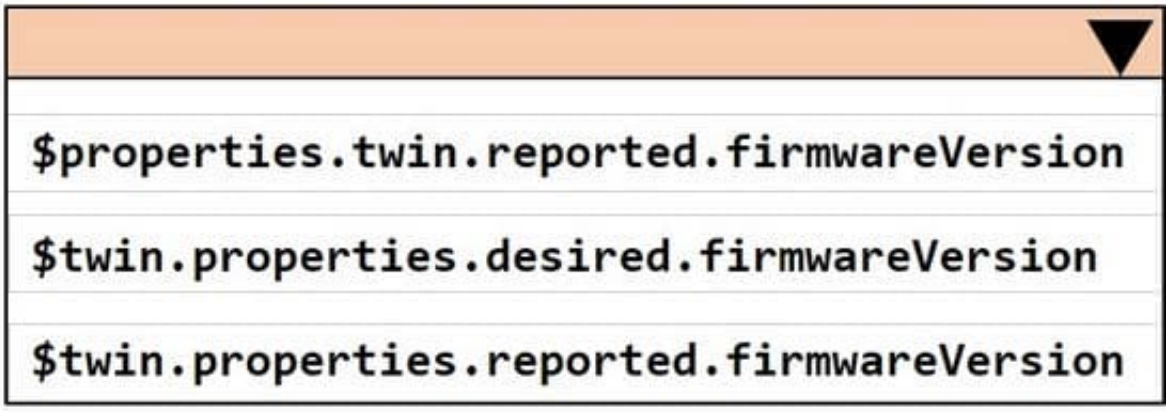
How should you configure the message enrichments? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

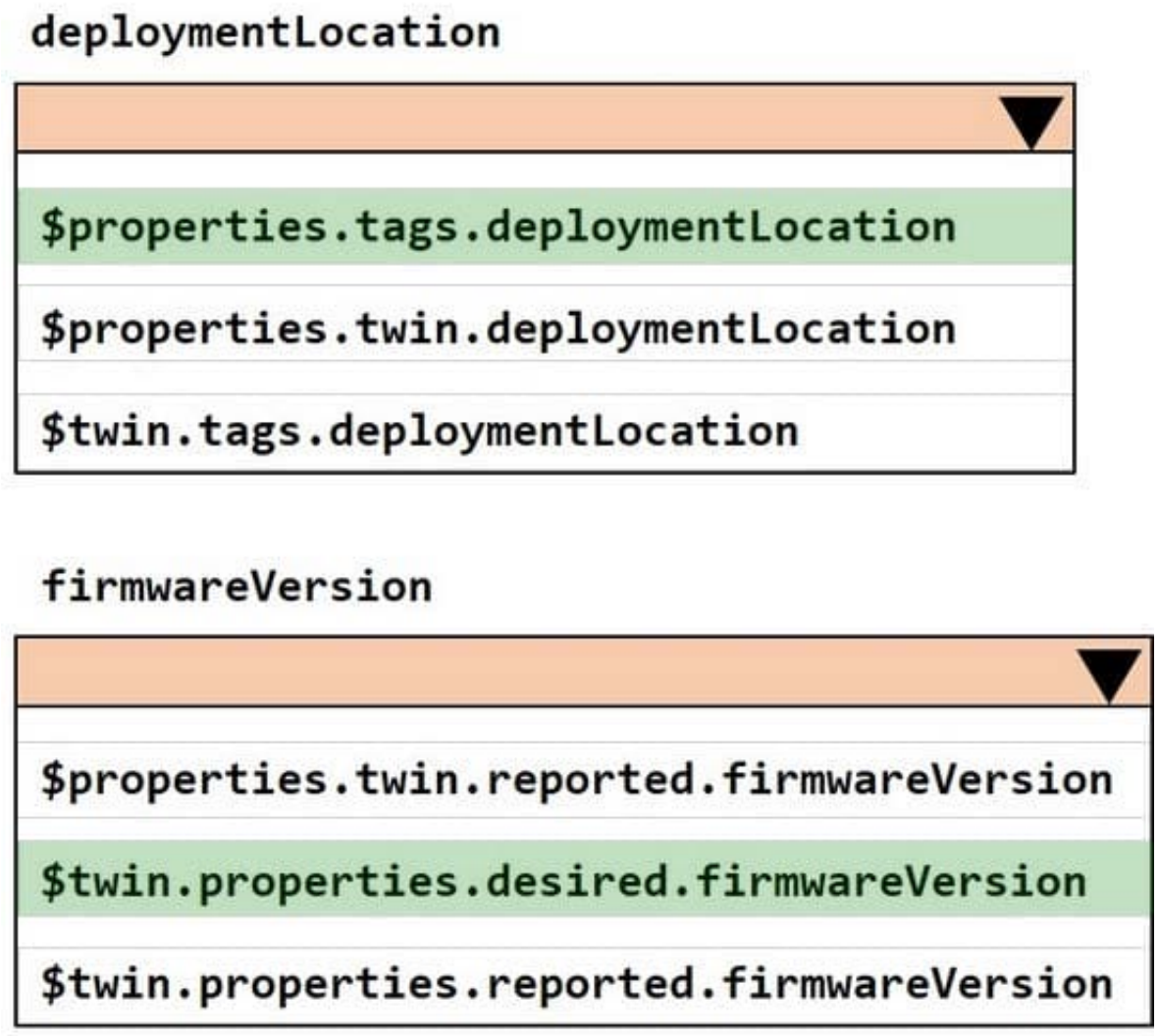
Hot Area:

deploymentLocation

firmwareVersion



Correct Answer:



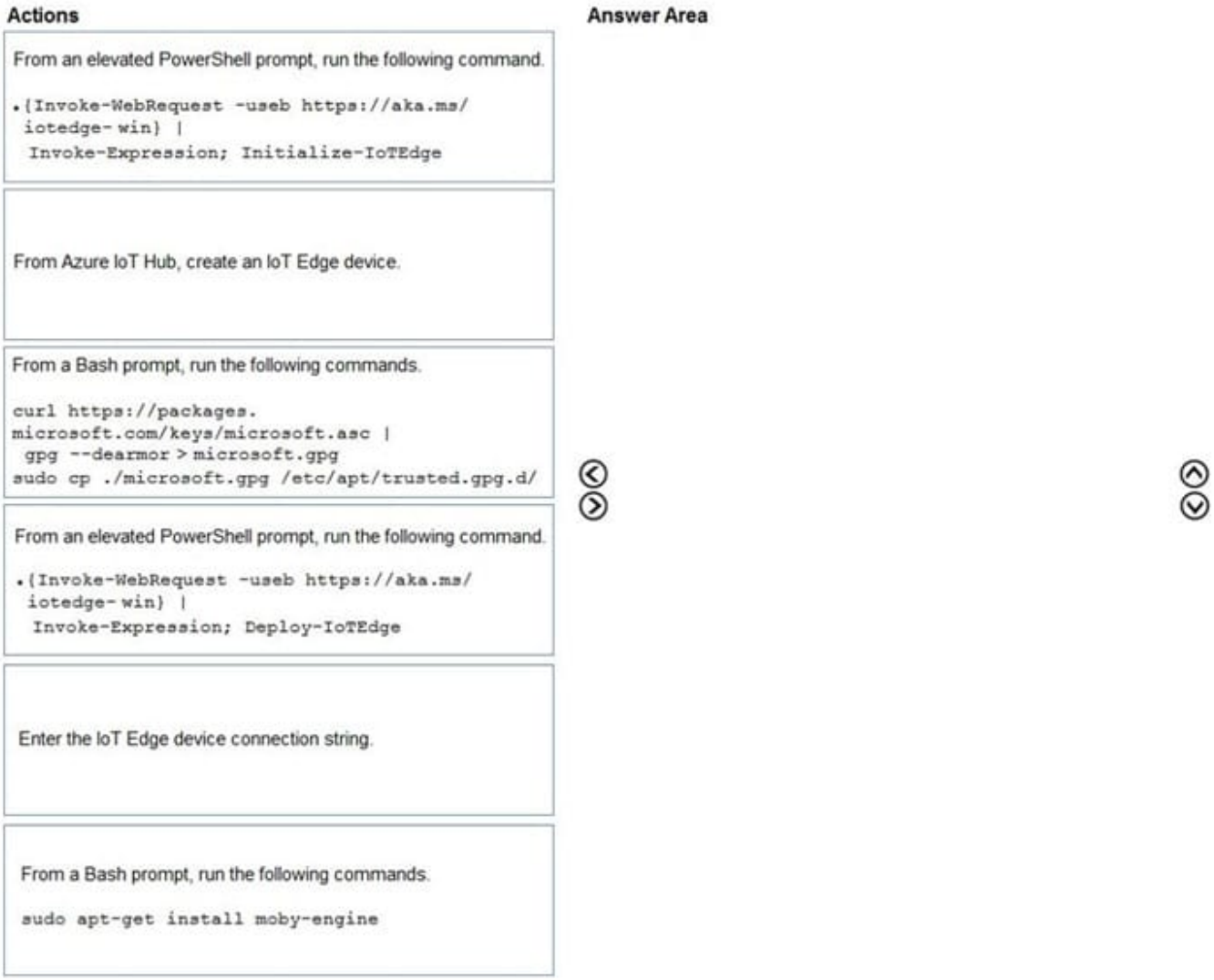
QUESTION 4

DRAG DROP

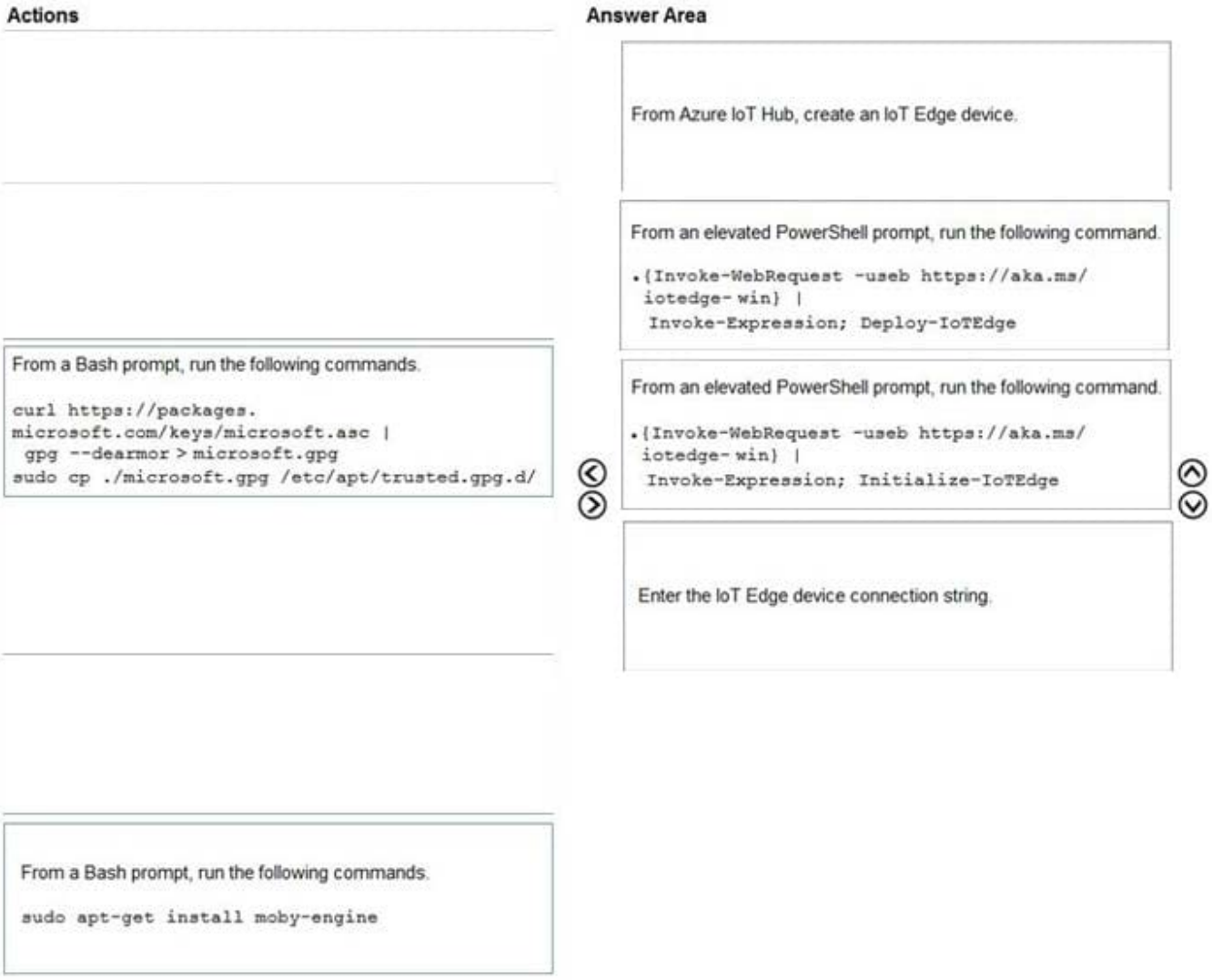
You need to install the Azure IoT Edge runtime on a new device that runs Windows 10 IoT Enterprise.

Which four 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:



Correct Answer:



Step 1: From Azure IoT Hub, create an IoT Edge Device

Step 2: Deploy-IoTEdge

The Deploy-IoTEdge command checks that your Windows machine is on a supported version, turns on the containers feature, and then downloads the moby runtime and the IoT Edge runtime. The command defaults to using Windows

containers.

{Invoke-WebRequest -useb https://aka.ms/iotedge-win} | Invoke-Expression; `

Deploy-IoTEdge

Step 3: Initialize-IoTEdge

The Initialize-IoTEdge command configures the IoT Edge runtime on your machine. The command defaults to manual provisioning with Windows containers.

{Invoke-WebRequest -useb https://aka.ms/iotedge

Step 4: Enter the IoT Edge device connection string.

When prompted, provide the device connection string that you retrieved in step 1. The device connection string associates the physical device with a device ID in IoT Hub.

Reference:

https://docs.microsoft.com/en-us/azure/iot-edge/module-composition

QUESTION 5

HOTSPOT

You have an Azure IoT solution that contains the Azure IoT Edge devices shown in the following table.

Name	Country	City
iotDevice1	UK	London
iotDevice2	France	Paris
iotDevice3	UK	Birmingham

You have the standard deployments and target conditions shown in the following table.

Deployment number	Country	City	Priority
1	UK	London	5
2	UK	London	3
3	France	Paris	1
4	UK	Birmingham	1
5	UK	London	1

You have the modules shown in the following table.

Module	Deployment
Module1	2,5
Module2	3,4
Module3	1

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
If deployment 4 is deleted, Module2 will be removed from iotDevice3.	○	○
If deployment 1 is deleted, iotDevice1 will receive deployment 2.	○	○
If iotDevice3 moves to London, the device will receive Module1.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
If deployment 4 is deleted, Module2 will be removed from iotDevice3.	○	○
If deployment 1 is deleted, iotDevice1 will receive deployment 2.	○	○
If iotDevice3 moves to London, the device will receive Module1.	○	○