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Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

Which two actions must be completed before starting the process of sending IoT data to the cloud via edge routers? (Choose two.)

A. Measure the voltage, power rating, and quiescent current for the sensors that send data to the cloud.

B. Gather the hardware (MAC) addresses of local and cloud routers to ensure low latency communication.

C. Collect information about the CPU architecture in the cloud and edge to ensure that they match.

D. Gather the interval, the volume, and the latency that the data must be provisioned with.

E. Collect information about growth, required elasticity, and high availability of the provisioning process.

Correct Answer: DE

QUESTION 2

Which two statements about how to provision and manage data originators in a cloud environment are true? (Choose two.)

A. The provisioning of digital identities is the responsibility of the data originators.

B. Cloud providers offer services for automated device provisioning, which allows the lifecycle of the cloud-representation for data originators to be managed.

C. Cloud providers offer application programming interfaces, which allow a programmatic provisioning of data originators.

D. There is no need to provision and manage access for data originators in the cloud.

E. The access to public clouds must be configured and managed manually.

Correct Answer: CE

QUESTION 3

When an RS232 device is connected to a Cisco IR829 router, the data collected is not being parsed correctly by the edge application.

Which two steps should be taken to troubleshoot the issue? (Choose two.)

A. SSH access on the Cisco IR829 router must be enabled for IOx Guest OS.

B. Communication mode must be set to half duplex over serial connection.

C. Serial cable length should not exceed 1.5 meters.

D. Ensure that communication parameters like baud rate and parity are set correctly.

E. Set the cable connections based on the PIN layout from the sensor vendor.
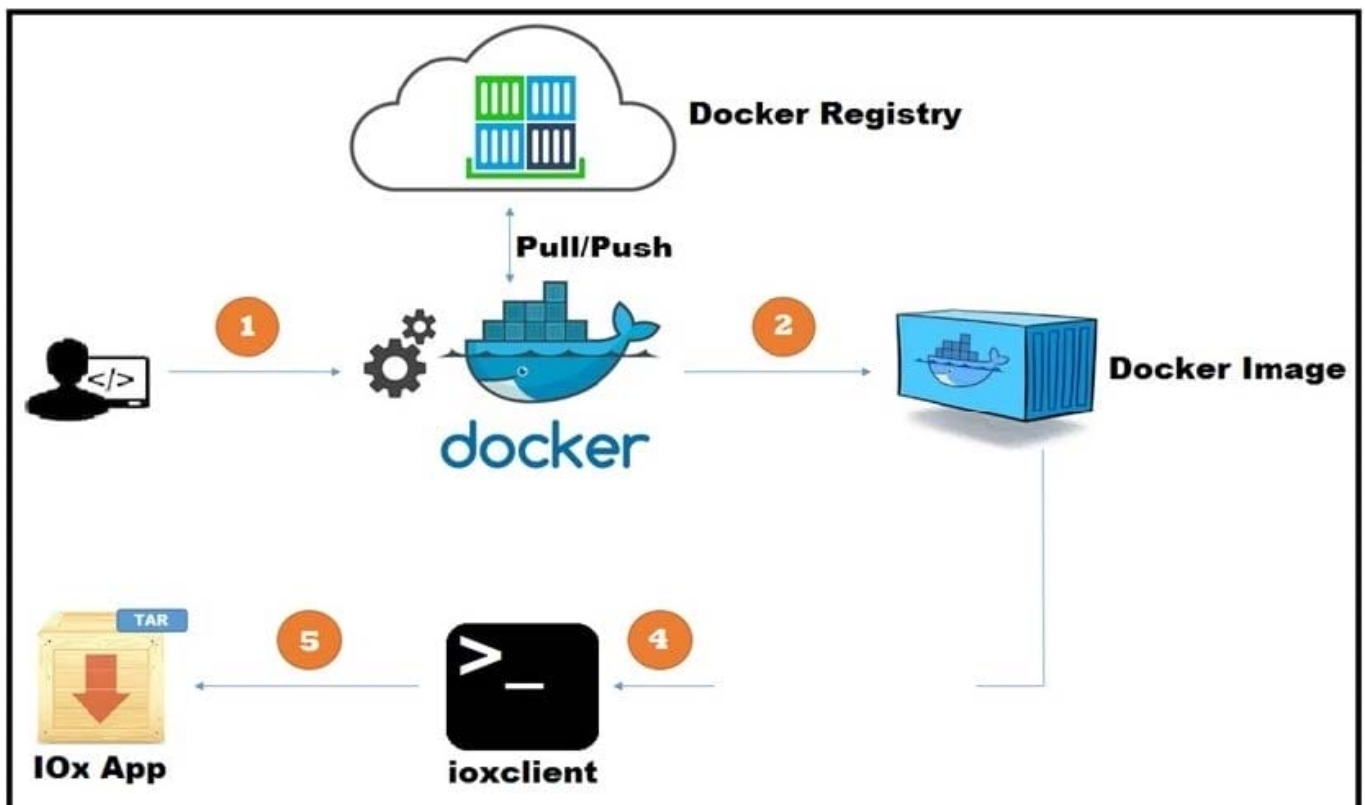
Correct Answer: DE

QUESTION 4

Which element ensures that PKI is used to establish the identity of IoT devices?

A. unique device identifier

B. encryption key

C. air gap

D. hashed routes

Correct Answer: A

QUESTION 5

Refer to the exhibit. A new application has just been developed as a Docker container. What is the missing step for packaging the container ready for deployment in IOx?

A. Pull/push the image to the Docker registry.

B. Build the package.yaml files.

C. Build the package.cert file to sign the app.

D. Log in to device manager and load the application.

Correct Answer: B

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