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➢ **Vendor:** Cisco

➢ **Exam Code:** 300-915

➢ **Exam Name:** Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

➢ **New Updated Questions from Braindump2go (Updated in August/2020)**

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QUESTION 26
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 27
DRAG DROP

The network team of a large international airport is creating a sensor network on their site using the Cisco LoRaWAN solution. Drag and drop the actions from the left to right needed to implement this project. Not all options are used.

Select and Place:

Correct Answer:

QUESTION 28
After an application is deployed, potential issues arise around connectivity. As part of the troubleshooting process, the IP address must be determined to ensure end-to-end communication.

Which method provides the required details using the Cisco IOx CLI?

A. **ioxclient application status <iox_application>**
B. **ioxclient application metrics <iox_application>**
C. **ioxclient application getconfig <iox_application>**
D. **ioxclient application info <iox_application> Correct**

Answer: D

QUESTION 29
Where are edge data services typically instantiated?

A. at the edge of network
B. in the cloud
C. in the data center
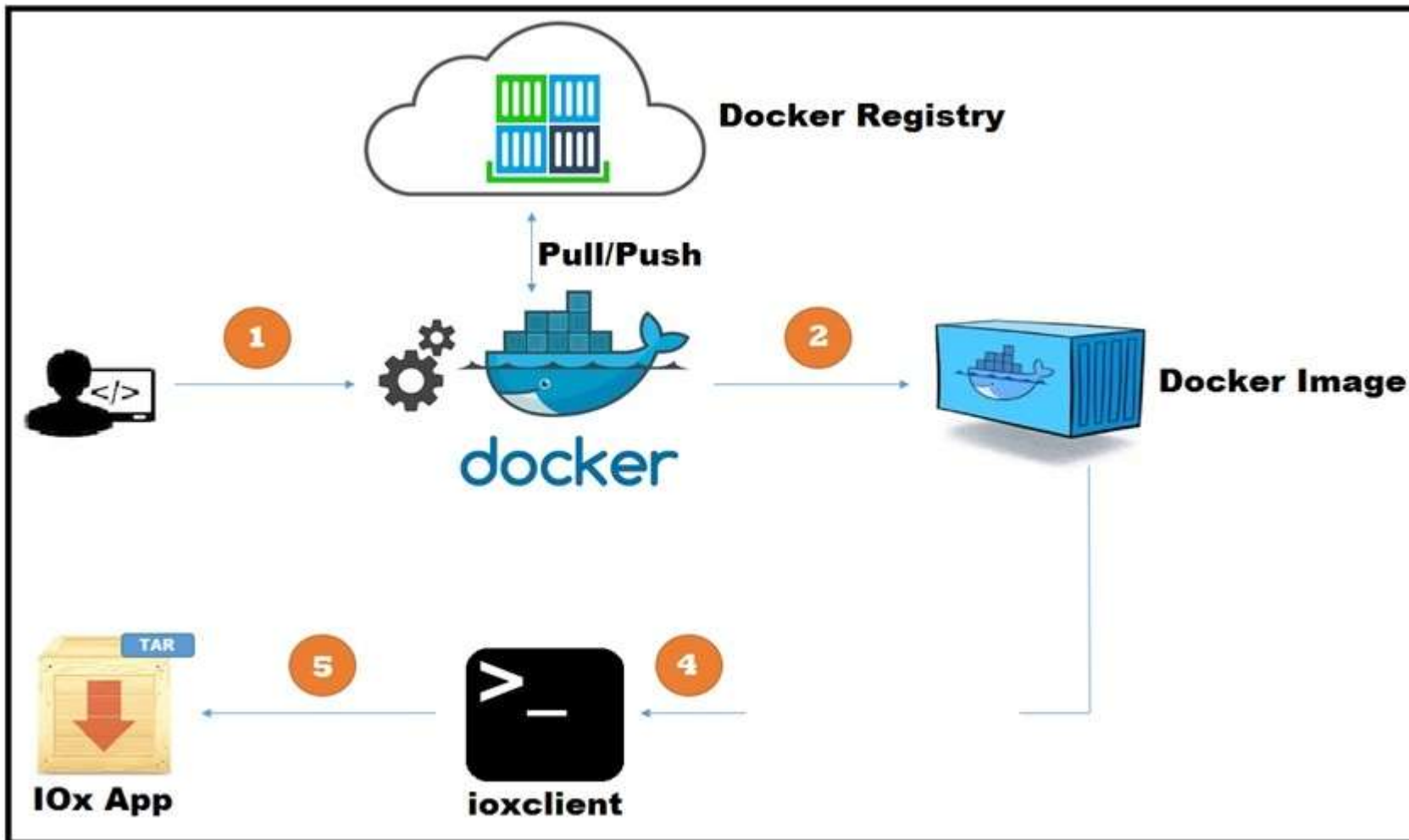
D. in a private cloud

Correct Answer: A

QUESTION 30
Which two commands inside a Docker container on a gateway help to troubleshoot why the compute performance of the device is slowing down? (Choose two.)

A. **show processes**
B. **top**
C. **wmic**
D. **ps**
E. **proc**

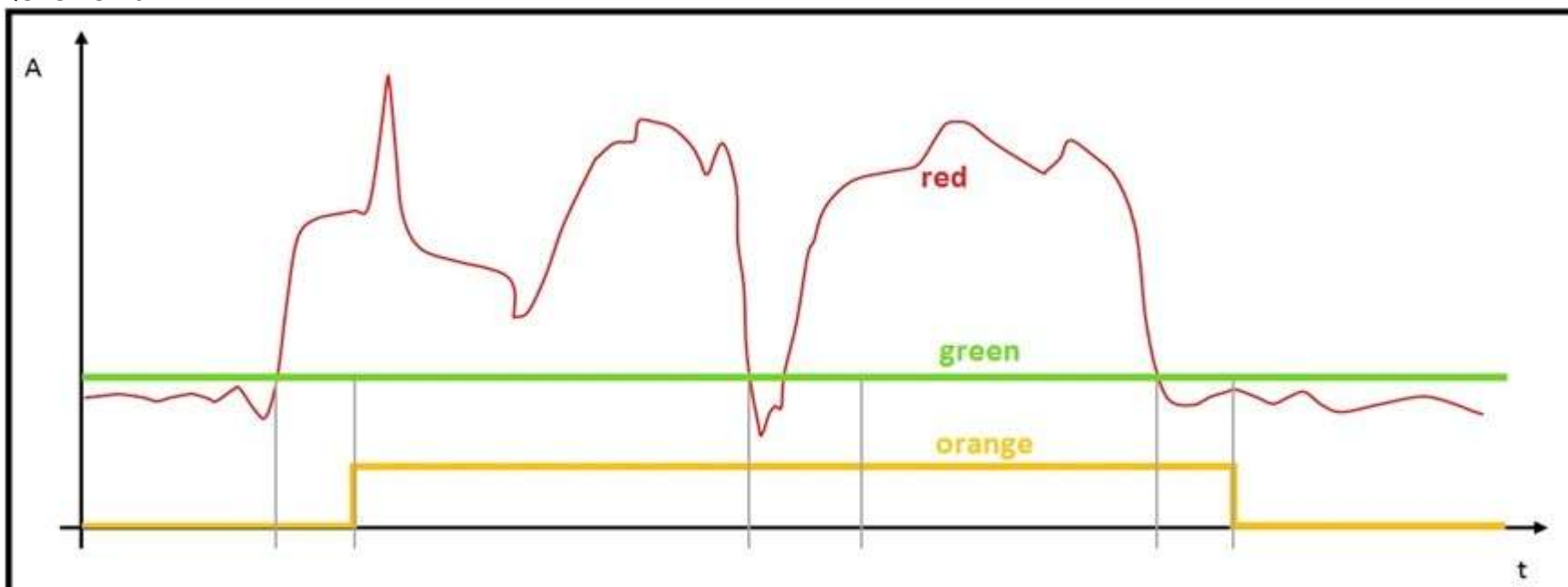**Correct Answer:** BD

QUESTION 31

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

QUESTION 32

Refer to the exhibit. The graph has been provided by the monitoring team to the IoT Engineer. The red line represents the consumption of energy from an industrial machine.

Which two pieces of information can be captured? (Choose two.)

A. The green graph visualizes the mean value of the data points.
B. The green graph visualizes if the electronic device is not in stand-by mode.
C. The orange graph visualizes a boolean: power on/off.
D. The orange graph contains more information than the red graph.

Correct Answer: AC

QUESTION 33
Which two data sources are used with a visualization tool such as Grafana? (Choose two.)

A. Microsoft Power BI
B. Kibana
C. InfluxDB
D. Elasticsearch
E. Tableau

Correct Answer: CD

QUESTION 34
A customer is deploying sensors with Cisco IR829 routers in moving trucks to continuously monitor the health of engines using a cloud application.

Which data extraction and processing strategy is best suited in this environment?

A. No need to store data locally, upload in real time to the cloud for processing.
B. Generate local alerts and create reports at the edge, and upload to the cloud at the end of the day.
C. Use the store and forward mechanism to upload the information at the earliest to cloud.
D. Ensure that data is stored for a longer duration locally and upload to the cloud every week.

Correct Answer: B

QUESTION 35
DRAG DROP

Drag and drop the Dockerfile instructions from the left onto the correct arguments on the right.

Select and Place:

EXPOSE		alpine	
ADD		apk update	
WORKDIR		/opt/cisco	
RUN		start.sh .	
FROM		8000	

Correct Answer:

EXPOSE		FROM	
ADD		ADD	
WORKDIR		WORKDIR	
RUN		RUN	
FROM		EXPOSE	

QUESTION 36

```
log: Sending CONNECT (u1, p1, wr0, wq0, wf0, c1, k60) client_id=b'IR829_gateway'
log: Sending PUBLISH (d0, q0, r0, m1), 'b'/v1/json/dev2app/modbussensor'', ... (23
log: Received CONNACK (0, 4)
Connected with result code 4
Disconnected with result code 0
```

Refer to the exhibit. Based on the MQTT client output, which action should be taken so that the connection to the broker can be established?

A. Change the username/password.
B. Open port 1883 on the network firewall.
C. Change the IP address of the broker.
D. Add the certificate.

Correct Answer: A

QUESTION 37

Which lightweight protocol is used to send data from the edge compute resources to the cloud?

A. MQTT
B. XMPP
C. AMQP
D. MT Connect

Correct

Answer: A