300-915 Q&As

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

An IoT application has been built into the application CI/CD pipeline. The application needs credentials to access other applications, APIs, and cloud resources.

When should the credentials be inserted into the application using the CI/CD process?

A. hard coded into your application code base

B. during application runtime

C. after application testing

D. during application build time

Correct Answer: A

QUESTION 2

What is a major difference of MQTT in terms of design compared to AMQP?

A. MQTT requires more bandwidth.

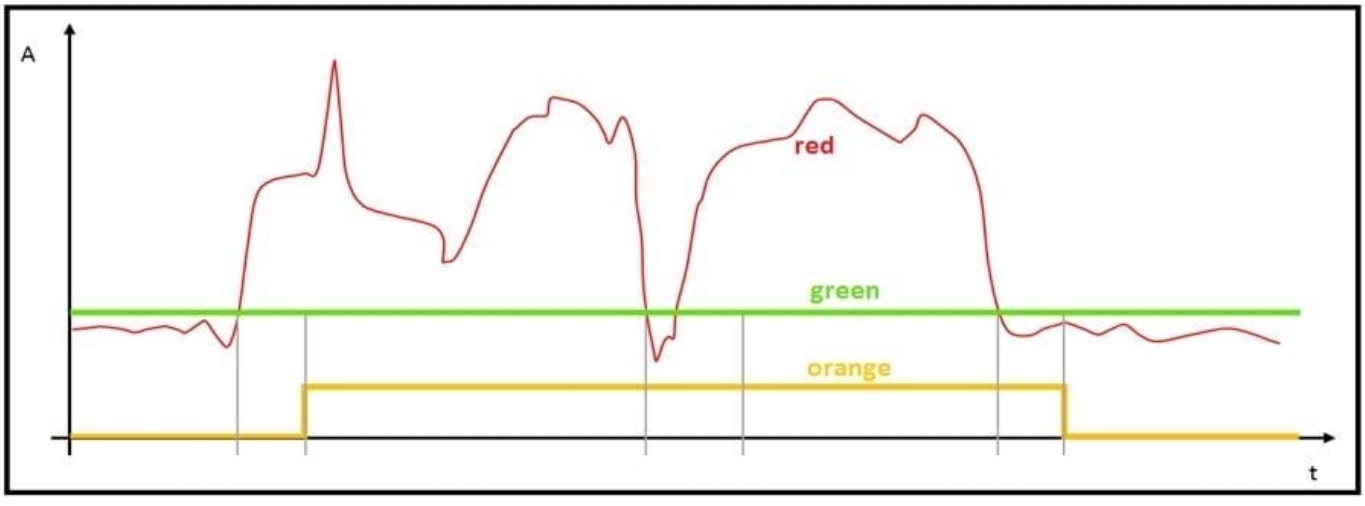
B. MQTT has very low overhead.

C. MQTT has more advanced routing features for messages.

D. MQTT provides routing based on headers.

Correct Answer: B

QUESTION 3



Refer to the exhibit. The red line represents the energy consumption of an industrial machine.

Which two statements about the graphs are true? (Choose two.)

A. The orange graph is expected to drop to zero for a brief period around the midpoint on the x axis.

B. The red graph contains the raw data points.

C. The green graph is the mean value of the data points.

D. The green graph does not give us any valuable information.

E. The orange graph has three values on the y-axis.

Correct Answer: BC

QUESTION 4

A network is being configured for an Ethernet-connected sensor. The sensor fails to send data to the configured destination. The IP address of the sensor can be pinged from a laptop on the same subnet. When a different subnet is used, the sensor cannot be reached, but other clients on the same subnet are still accessible.

What are two reasons for the connectivity problem? (Choose two.)

A. wrong DNS server on the sensor

B. wrong subnet mask on your laptop

C. wrong default gateway on the sensor

D. wrong default gateway on your laptop

E. wrong subnet mask on the sensor

Correct Answer: CE

QUESTION 5

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

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