300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

Which method is used to gather data from a sensor?

A. Configure the edge application to push data to the cloud.

B. Set up a rendezvous point where the sensor and edge application meet.

C. Set up a dedicate process for each sensor that grabs data.

D. Pull data from the sensor.

Correct Answer: A

QUESTION 2

```
FROM devhub-docker.cisco.com/iox-docker/ir800/base-rootfs as builder
RUN opkg update
RUN opkg install iox-toolchain
RUN mkdir -p /var/helloworld/
COPY helloworld.c /var/helloworld/
WORKDIR /var/helloworld/
RUN gcc helloworld.c -o helloworld

FROM devhub-docker.cisco.com/iox-docker/ir800/base-rootfs
RUN mkdir -p /var/helloworld/
COPY --from=builder /var/helloworld/helloworld /var/helloworld
RUN chmod +x /var/helloworld/helloworld
COPY init_app.sh /etc/init.d/
RUN chmod +x /etc/init.d/init_app.sh
RUN update-rc.d init_app.sh defaults
```

Refer to the exhibit. When a Docker image is built using this Dockerfile, which two statements are valid on Cisco IOx 1.8 and before? (Choose two.)

A. It builds an image that can be executed on all Cisco platforms.

B. It builds a Docker image that cannot be used directly on Cisco IOx.

C. It compiles a "hello world" program in C.

D. It creates two separate images.

E. It builds an IOx package that can be deployed directly.

Correct Answer: BC

QUESTION 3

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 4

Which command is used to package a Docker-style Cisco IOx app using ioxclient?

A. ioxclient docker create helloworld:1.0.

B. ioxclient docker-app helloworld:1.0.

C. ioxclient docker package helloworld:1.0.

D. ioxclient docker helloworld:1.0.

Correct Answer: C

QUESTION 5

Mosquitto was installed correctly on the Cisco IR829 router as a Cisco IOx application. When the sensor is connected to the broker on the Cisco IR829 router with the default port, the connection is refused (Error Code 5).

Which action should be done to resolve the issue?

A. Insert in the IOS config: ip nat inside source static tcp 1883 interface GigabitEthernet0 1883

B. Insert in the package_config.ini file under section ports: tcp: ["8883"]

C. Use the correct username and password.

D. Insert in the package.yaml file under section ports: tcp: ["1883"]

Correct Answer: C

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