



300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

Mosquito 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

QUESTION 2

What are two functionalities of edge data services? (Choose two.)

- A. creating a machine learning data model
- B. supporting many interfaces and APIs
- C. applying advanced data analytics
- D. filtering, normalizing and aggregating data
- E. saving data for a prolonged time period

Correct Answer: DE

QUESTION 3

When trying to subscribe to an MQTT broker on the internet, the MQTT client is on a private subnet and must be NATed to reach the public broker.

What is the expected outcome when this configuration is in place?

- A. The client periodically reconnects to the default gateway.
- B. The client connects only once using the PENDING message to the broker.
- C. The client periodically reconnects to the broker over the NAT connection.
- D. The client connects only once using the CONNECT message to the broker.

Correct Answer: D



QUESTION 4

DRAG DROP

An engineering team developed a solution that gathers data via a proprietary protocol (TCP/IP based) to a IR1101 gateway, which then sends the data to the cloud. Drag and drop the action steps from the left into the correct order on the right to get this solution to operate. Not all options are used.

Select and Place:

- The sensor is sending data to the cloud.
- The sensor and IR1101 is locally installed (power, network connectivity).
- The edge application is being installed on the IR1101.
- The streaming payload is visible in Kinetic GMM dashboard.
- A device twin is automatically created in the cloud.
- IR1101 is claimed via API on Kinetic GMM.

Correct Answer:

The sensor is sending data to the cloud.

- The sensor and IR1101 is locally installed (power, network connectivity).
- The edge application is being installed on the IR1101.
- The streaming payload is visible in Kinetic GMM dashboard.
- A device twin is automatically created in the cloud.
- IR1101 is claimed via API on Kinetic GMM.

QUESTION 5



As part of an IoT project, an organization is developing an application that will share multiple clients using a REST API.

Based on the software development process, what are two valid technical activities that can be suggested to secure the REST API that is developed during the development of the software? (Choose two.)

- A. Respond to request failures in detail to allow users for easier troubleshooting.
- B. Implement HTTP whitelisting to only methods that are allowed.
- C. Implement and review audit logs for security-related events.
- D. Reject HTTP methods that are invalid with an error code 404.
- E. Implement physical firewalling and access control to the resources.

Correct Answer: BD

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