

300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

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 2

An IOx application is installed via Local Manager. Every time the application is started, it instantly stops.

Which troubleshooting steps should be taken?

- A. There is something wrong with the application code itself.
- B. Check the startup and endpoint parameters.
- C. Give the IOx application more CPU units.
- D. Check local IOx settings, especially the network settings.

Correct Answer: C

QUESTION 3

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 4

```
import requests
import time

api_token = "ddd906922b8581e3.VoNzzzNgsYmKIgjjg5AEPxGe-nNFZnJzn9n_Wv_-gAHY"
organization_id = 900
api_url_base = "https://eu.ciscokinetiic.io/api/v2/"
headers = {"Content-Type": "application/json",
           "Authorization": "Token {}".format(api_token)}

r = requests.get(api_url_base+"organizations/{}/gate_ways".format(organization_id), headers=headers)

if r.status_code == requests.codes.ok:
    output = r.json()
else:
    print("Errorr {}. Message: {}".format(r.status_code, r.content))
```

```
Error 401. Message: b'{"error_code":"invalid_api_token","errors":["Invalid API token, authentication failure."}]'
```

Refer to the exhibit. The code and the error message that are received when the code is run is presented.

What causes issues authenticating with Cisco GMM API using the web-generated API key?

- A. firewall that blocks authentication ports
- B. incorrect username and password
- C. incorrect GMM Cluster selection
- D. incorrect key size and data encryption

Correct Answer: B

QUESTION 5

As part of an IoT project, an organization is developing an edge application that will run on a gateway to securely transmit sensor information it receives into an IoT cloud. Based on the Agile software development lifecycle, the development team is planning to implement a CI/CD pipeline.

Which two methods should be suggested to make the software development lifecycle more secure during the implementation and testing? (Choose two.)

- A. Perform automated code reviews prior to deployment.
- B. Implement auto-provisioning security inspection for the code.
- C. Perform on-going penetration testing on the system.
- D. Perform a GAP analysis on current security activities and policies.
- E. Train members of the team in a secure software development lifecycle methodology such as OWASP.

Correct Answer: DE