



300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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QUESTION 1

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:

Onboard the gateways in the Field Network Director.

Set up a database and message broker.

Configure the devices uplinks and downlinks on the LoRa network server.

Install the sensors and LoRa gateways (power, network connectivity).

Add the sensors using the DevDI, AppDI, and AppKey.

Correct Answer:

Set up a database and message broker.

Add the sensors using the DevDI, AppDI, and AppKey.

Install the sensors and LoRa gateways (power, network connectivity).

Onboard the gateways in the Field Network Director.

Configure the devices uplinks and downlinks on the LoRa network server.

Reference: https://www.cisco.com/c/en_in/solutions/internet-of-things/lorawan-solution.html#~stickynav=3

QUESTION 2

An IoT engineer is responsible for security at an organization. Humans and machines need to be allowed to access services like database or compute on AWS. The engineer decides to implement dynamic secrets.

Which method helps to get this implementation accurate from a security point of view?

A. Create a central secret system for humans and machine to obtain very short-lived dynamic secrets to access any



service.

B. Humans cannot be trusted, and each time they authenticate they should be issued with dynamic secrets. Machines can be trusted, and they can be issued with static credentials.

C. Maintain a different service associated to secret systems to issue access.

D. After a user is authenticated by any trusted system, the user can be trusted to use any service.

Correct Answer: A

QUESTION 3

Which two statements about how to provision and manage data originators in a cloud environment are true? (Choose two.)

A. The provisioning of digital identities is the responsibility of the data originators.

B. Cloud providers offer services for automated device provisioning, which allows the lifecycle of the cloud-representation for data originators to be managed.

C. Cloud providers offer application programming interfaces, which allow a programmatic provisioning of data originators.

D. There is no need to provision and manage access for data originators in the cloud.

E. The access to public clouds must be configured and managed manually.

Correct Answer: CE

QUESTION 4

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

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

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