



# 300-915<sup>Q&As</sup>

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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### QUESTION 1

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

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### QUESTION 2

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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### QUESTION 3



Refer to the exhibit. Approximately 4000 oil platforms, each with 400 sensors, are spread in the Gulf of Mexico and all of their data must come together into one dashboard. Which general architecture should be selected to connect them?

- A. 4-tier: sensor ?edge device (Intel Atom CPU) ?fog device (Intel Xeon CPU) ?cloud
- B. 5-tier: intelligent sensor?edge device (Intel Atom CPU) ?fog device (Intel Xeon CPU) ?edge data center (Intel Xeon CPU)
- C. 2-tier: intelligent sensor ?cloud
- D. 3-tier: sensor ?edge device (Intel Atom CPU) ?cloud

Correct Answer: B

Reference: <https://www.itu.int/en/ITU-D/Regional-Presence/Africa/Documents/Internet%20of%20Things%20-%20Cisco%27s%20Vision%20and%20Approach.pdf>

#### QUESTION 4

Which computer security concept is violated when a web server is written that uses the "root" account for all interactions with a Linux system?

- A. principle of least privilege
- B. PermitRootLogin
- C. certificate-based authentication
- D. RBAC



Correct Answer: A

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#### QUESTION 5

When constructing a Python script for data extraction using GMM APIs on a Cisco Kinetic Cloud platform, how should the API authentication be implemented?

- A. Generate the API keys once and edit the permissions as needed.
- B. Generate and use the API keys for the required access level from the Kinetic Cloud application.
- C. Use a complex username and password with 128-bit encryption.
- D. Use a complex username with an auto-generated password from the Kinetic Cloud application.

Correct Answer: B

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