



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

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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### QUESTION 1

Which two actions must be completed before starting the process of sending IoT data to the cloud via edge routers? (Choose two.)

- A. Measure the voltage, power rating, and quiescent current for the sensors that send data to the cloud.
- B. Gather the hardware (MAC) addresses of local and cloud routers to ensure low latency communication.
- C. Collect information about the CPU architecture in the cloud and edge to ensure that they match.
- D. Gather the interval, the volume, and the latency that the data must be provisioned with.
- E. Collect information about growth, required elasticity, and high availability of the provisioning process.

Correct Answer: DE

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### QUESTION 2

In a secure software development lifecycle process, what must be created as soon as the architecture is in place?

- A. integration plan
- B. test plan
- C. functional specification document
- D. threat modeling

Correct Answer: C

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### QUESTION 3

When an RS232 device is connected to a Cisco IR829 router, the data collected is not being parsed correctly by the edge application.

Which two steps should be taken to troubleshoot the issue? (Choose two.)

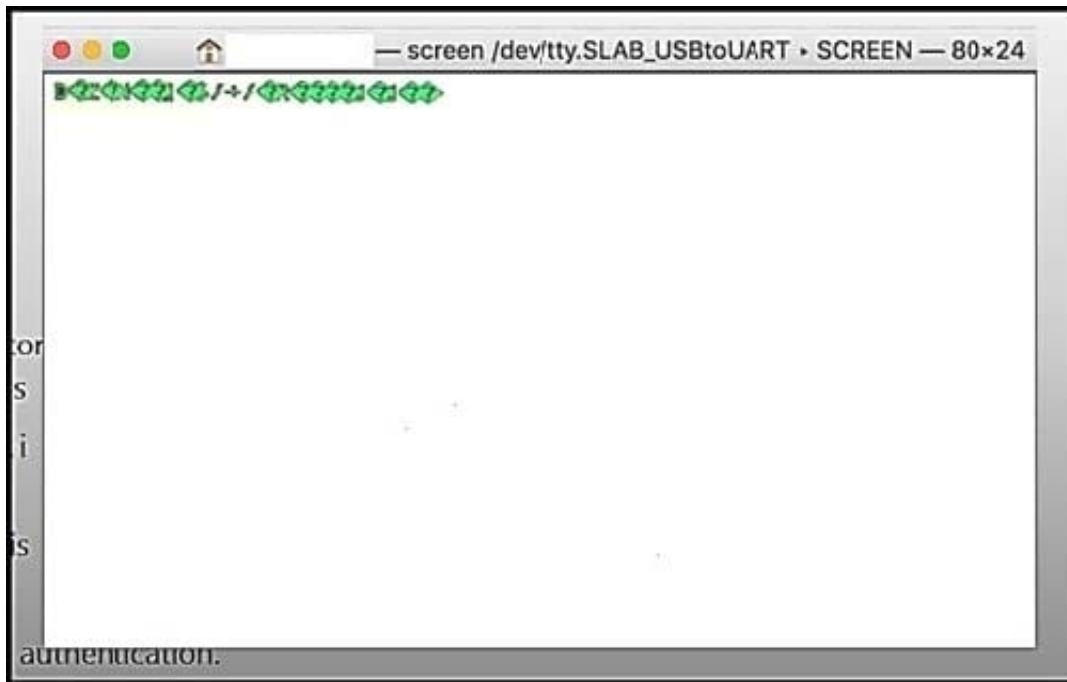
- A. SSH access on the Cisco IR829 router must be enabled for IOx Guest OS.
- B. Communication mode must be set to half duplex over serial connection.
- C. Serial cable length should not exceed 1.5 meters.
- D. Ensure that communication parameters like baud rate and parity are set correctly.
- E. Set the cable connections based on the PIN layout from the sensor vendor.

Correct Answer: DE

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#### QUESTION 4



Refer to the exhibit. When a laptop is connected to a device via a serial connection, which action makes the output readable?

- A. Change the baudrate in the connection settings.
- B. Reboot the device in case a firmware error is the issue.
- C. Change the power level of the device.
- D. Change the unicode settings to UTF-8.

Correct Answer: A

#### QUESTION 5

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

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