



300-915^{Q&As}

Developing Solutions using Cisco IoT and Edge Platforms (DEVIOT)

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**QUESTION 1**

Which two statements define the mechanism for console access of the Guest Operating System from the Cisco IR829 router? (Choose two.)

- A. The Guest OS can be accessed by default on Telnet port 2070 from the Cisco IR829 console.
- B. The Guest OS console is available directly by the AUX port 3362 from the Cisco IR829 router.
- C. The Guest OS can be accessed directly using the console port on the Cisco IR829 router.
- D. The Guest OS can be accessed by initiating SSH from the Cisco IR829 console.
- E. The Guest OS console is available only when a static IP is configured on the host.

Correct Answer: AD

QUESTION 2

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

QUESTION 3

After an application is deployed, potential issues arise around connectivity. As part of the troubleshooting process, the IP address must be determined to ensure end-to-end communication.

Which method provides the required details using the Cisco IOx CLI?

- A. `ioxclient application status`
- B. `ioxclient application metrics`
- C. `ioxclient application getconfig`
- D. `ioxclient application info`



Correct Answer: D

QUESTION 4

A sensor reads potentially critical data from an industrial device, but most of the data from the sensor is not critical information and does not change unless a critical event happens.

Which data work flow is appropriate for how the critical and non-critical data is processed?

A. 1. Acquire sensor data.

2.

Filter non-actionable data.

3.

Perform action on data.

4.

Send critical data and action performed on data to cloud for storing.

B. 1. Acquire sensor data.

2.

Send data to cloud for processing and to determine action.

3.

Send required action back to edge for action completion.

4.

Perform action on data.

C. 1. Acquire sensor data.

2.

Filter non-actionable data.

3.

Perform action on data.

D. 1. Acquire sensor data.

2.

Perform action on data.

3.



Send data and action performed on data to cloud for recording.

Correct Answer: D

QUESTION 5

An IoT engineer is working on a connected machines project.

Which two protocols must be used during the data provisioning process when data is sent from the shop floor IoT system to the customer's public cloud? (Choose two.)

- A. COAP
- B. Modbus TCP
- C. MQTT
- D. AMQP
- E. OPC-DA

Correct Answer: CD

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