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NEW QUESTION 1

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.

Answer: DE

NEW QUESTION 2

How does the Cisco router (IR) and switch (IE) portfolio support edge data services?

A. Edge data services can be run and managed as containers using Cisco IOx.
B. Edge data services can run only in virtual machines on a separate compute layer.
C. Edge data services are aliases for IR/IE configuration services.
D. Edge data services run as separate instances only on virtual machines.

Answer: C

NEW QUESTION 3

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.

Answer: AD

NEW QUESTION 4

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.

Answer: CE

NEW QUESTION 5

A network is being configured for an Ethernet-connected sensor. The sensor fails to send data to the configured destination. The IP address of the sensor can be pinged from a laptop on the same subnet. When a different subnet is used, the sensor cannot be reached, but other clients on the same subnet are still accessible. What are two reasons for the connectivity problem? (Choose two.)

A. wrong DNS server on the sensor
B. wrong subnet mask on your laptop
C. wrong default gateway on the sensor
D. wrong default gateway on your laptop

E. wrong subnet mask on the sensor

Answer: CE

NEW QUESTION 6

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.

Answer: DE

NEW QUESTION 7

Which two commands inside a Docker container on a gateway help to troubleshoot why the compute performance of the device is slowing down? (Choose two.)

A. show processes

B. top

C. wmic

D. ps

E. proc

Answer: BD

NEW QUESTION 8

Which two data sources are used with a visualization tool such as Grafana? (Choose two.)

A. Microsoft Power BI

B. Kibana

C. InfluxDB

D. Elasticsearch

E. Tableau

Answer: CD

NEW QUESTION 9

Which method is used to gather data from a sensor?

A. Configure the edge application to push data to the cloud.

B. Set up a rendezvous point where the sensor and edge application meet.

C. Set up a dedicate process for each sensor that grabs data.

D. Pull data from the sensor.

Answer: A

NEW QUESTION 10

Which element ensures that PKI is used to establish the identity of IoT devices?

A. unique device identifier

B. encryption key

C. air gap

D. hashed routes

Answer: A

NEW QUESTION 11

Which two security approaches help build a strong authentication scheme? (Choose two.)

A. connection based on location

B. session IDs accepted only from cookies

C. maximum allowed connections

D. user logout

E. session logout because of inactivity

Answer: CE

NEW QUESTION 12

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

Answer: C

NEW QUESTION 13

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

Answer: CD

NEW QUESTION 14

What are two functionalities of edge data services? (Choose two.)

A. creating a machine learning data model

B. supporting many interfaces and APIs

C. applying advanced data analytics

D. filtering, normalizing and aggregating data

E. saving data for a prolonged time period

Answer: DE

NEW QUESTION 15

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.

Answer: DE

NEW QUESTION 16

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