

Exam Questions 200-601

IMINS2 Managing Industrial Networking for Manufacturing with Cisco Technologies

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1. Which option best describes the ProfiNET Discovery and Configuration Protocol (DCP)?

- A. Can be used to override both static and dynamically (DHCP/BOOTP) assigned IP addresses
- B. Cannot be used to reset a device to factory defaults
- C. Is only supported in Conformance Class B and C devices
- D. Uses the ProfiNET-IRT communication class

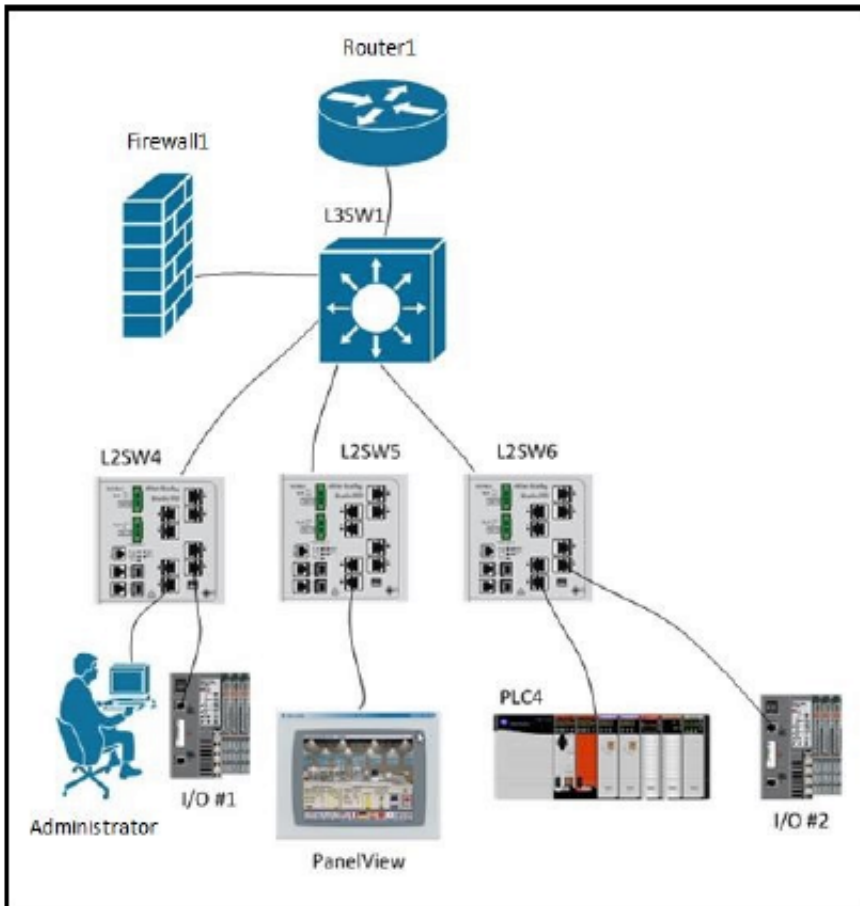
Answer: A

2. When troubleshooting a high packet loss condition in the network, the inspection area has an assessed M.I.C.E. value of M=1, I=1, C=3 and E=1. Which condition could be suspect?

- A. Use of shielded Patch Cables, Bonded on one end only.
- B. Use of unshielded Patch Cables.
- C. Broken seal on bulkhead connector.
- D. Oxidation on Shielded RJ45 Patch Plug

Answer: D

3. Refer to the exhibit.



You are required to implement traffic segmentation in the network. See the table for relevant device details:

L2SW4, L2SW5, and L2SW6 are connected to L3SW1 with 802.1Q trunks with VLAN.191 and VLAN 398 allowed on the trunk.

You have the following information from L3SW1:

```
L3SW1# show run interfaces
interface Vlan1
no ip address
shutdown
!
interface Vlan2
ip address 10.2.2.2 255.255.255.248
!
interface Vlan191
```

```
ip address 10.10.27.126 255.255.255.192
```

```
!
```

```
interface Vlan200
```

```
ip address 10.20.20.1 255.255.255.248
```

```
!
```

```
interface Vlan398
```

```
ip address 10.15.153.1 255.255.255.0
```

```
L3SW1# show ip route
```

```
*** Output Omitted ***
```

```
10.0.0.0/8 is variably subnetted, 5 subnets, 3 masks
```

```
C.10.2.2.1/29 is directly connected, Vlan2
```

```
C.10.10.27.64/26 is directly connected, Vlan191
```

```
C.10.15.153.0/24 is directly connected, Vlan398
```

```
C.10.20.20.0/29 is directly connected, Vlan200
```

```
S.10.200.200.0/24 [1/0] via 10.20.20.2
```

```
S* 0.0.0.0/0 [1/0] via 10.2.2.1
```

You are required to implement a configuration that will meet the following connectivity requirements:

- .. The Administrator's Station must have full access to PanelView
- . PanelView should have limited access, based on specific TCP ports, to PLC#1 and I/O#1
- .. The Administrator's Station should have no access to PLC#1 and I/O#1
- .. PLC#1 and I/O#1 should be able to communicate with each other on any port

Which action will allow you to meet the connectivity requirements?

- A. Put interface VLAN 191 and interface VLAN 398 into different Virtual Routing and Forwarding (VRF) instances on L3SW1
- B. Deploy an inbound ACL on interface VLAN 191 to control the traffic from the Administrator's Station and PanelView to PLC#1 and I/O#1
- C. No change is required, the traffic is already limited appropriately by the VLAN segmentation

D. Implement an ACL on Firewall1 to control the traffic flow between VLAN 191 and VLAN 398

Answer: B

4. You have been tasked to design an Ethernet network capable of Motion control with cycle times not to exceed 1ms. In order to create a more deterministic network, what characteristic/s should you primarily focus on?

- A. Lattency and Jitter
- B. Redundancy and high availability
- C. Explicit and Implicit messaging
- D. This cycle time is not possible on an Ethernet network
- E. Gigabit port speed

Answer: A

5. If the Link Fault alarm is connected to the minor relay and the FCS Bit Error Rate alarm is connected to the major relay, which commands will create an alarm profile called GigE with the alarms correctly mapped to the minor and major relays?

- A. Switch(config)#alarm profile GigE
Switch(config-alarm-prof)#alarm 1 4
Switch(config-alarm-prof)#relay major 4
Switch(config-alarm-prof)#relay minor 1
- B. Switch(config)#alarm profile GigE
Switch(config-alarm-prof)#alarm 1 3
Switch(config-alarm-prof)#relay major 3
Switch(config-alarm-prof)#relay minor 1
- C. Switch(config)#alarm profile GigE
Switch(config-alarm-prof)#alarm 1 3
Switch(config-alarm-prof)#relay major 1
Switch(config-alarm-prof)#relay minor 3
- D. Switch(config)#alarm profile GigE

Switch(config-alarm-prof)#alarm 1 4

Switch(config-alarm-prof)#relay major 1

Switch(config-alarm-prof)#relay minor 4

Answer: A

6. Which describes the relationship between a workgroup bridge?

A. Wired clients of a workgroup bridge can communicate, through the workgroup bridge, with wireless clients of an autonomous or a controller-based access point

B. Wireless clients of a controller-based AP can communicate, through the workgroup bridge, with wireless clients of an autonomous access point

C. Wireless clients of an autonomous access point can communicate with wired clients of a workgroup bridge, but Wireless clients of a controller-based access point cannot communicate with wired clients of a workgroup bridge

D. Wireless clients of a controller-based access point can communicate with wired clients of a workgroup bridge, but Wireless clients of an autonomous access point cannot communicate with wired clients of a workgroup bridge

Answer: A

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