



642-813^{Q&As}

Implementing Cisco IP Switched Networks

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**QUESTION 1**

Which statement about using EtherChannel on Cisco IOS switches is true?

- A. A switch can support up to eight compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 800 Mbps only for Fast EtherChannel or 8 Gbps only for Gigabit EtherChannel.
- B. A switch can support up to 10 compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 1000 Mbps only for Fast EtherChannel or 8 Gbps only for Gigabit EtherChannel.
- C. A switch can support up to eight compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 800 Mbps only for Fast EtherChannel or 16 Gbps only for Gigabit EtherChannel.
- D. A switch can support up to 10 compatibly configured Ethernet interfaces in an EtherChannel. The EtherChannel provides full-duplex bandwidth up to 1000 Mbps only for Fast EtherChannel or 10 Gbps only for Gigabit EtherChannel.

Correct Answer: A

QUESTION 2

What effect does the mac address-table aging-time 180 command have on the MAC address-table?

- A. This is how long a dynamic MAC address will remain in the CAM table.
- B. The MAC address-table will be flushed every 3 minutes.
- C. The default timeout period will be 360 seconds.
- D. ARP requests will be processed less frequently by the switch.
- E. The MAC address-table will hold addresses 180 seconds longer than the default of 10 minutes.

Correct Answer: A

QUESTION 3

How does VTP pruning enhance network bandwidth?

- A. by restricting unicast traffic across VTP domains
- B. by reducing unnecessary flooding of traffic to inactive VLANs
- C. by limiting the spreading of VLAN information
- D. by disabling periodic VTP updates

Correct Answer: B



QUESTION 4

Which two options are two results of using the command spanning-tree vlan 50 root primary within a spanning-tree network under global configuration? (Choose two.)

- A. Spanning tree determines the priority of the current root for VLAN 50 and reduces the priority of the local switch to a lower value.
- B. The priority value for VLAN 50 is set to 4094 on the root while the local switch priority is set to 32768.
- C. The spanning-tree timers are reduced to improve the convergence time for VLAN 50.
- D. All ports that are configured on the current switch with VLAN 50 transition to designated ports.
- E. The switchport that is configured for VLAN 50 is the primary connection to the spanning- tree root switch.

Correct Answer: AD

QUESTION 5

A network engineer wants to ensure Layer 2 isolation of customer traffic using a private VLAN. Which configuration must be made before the private VLAN is configured?

- A. Disable VTP and manually assign VLANs.
- B. Ensure all switches are configured as VTP server mode.
- C. Configure VTP Transparent Mode.
- D. Enable VTP version 3.

Correct Answer: C

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