



# 642-813<sup>Q&As</sup>

Implementing Cisco IP Switched Networks

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## QUESTION 1

Refer to the exhibit.

```
SW1#sh monitor session all
Session 1
-----
Type                : Remote Destination Session
Source RSPAN VLAN   : 50

Session 2
-----
Type                : Local Session
Source Ports        :
  Both              : Fa0/14
Destination Ports   : Fa0/15
Encapsulation       : Native
Ingress             : Disables
```

Which statement about the SPAN and RSPAN configuration on SW1 is true?

- A. SPAN session 2 only monitors egress traffic exiting port FastEthernet 0/14.
- B. RSPAN session 1 monitors activity on VLAN 50 of a remote switch.
- C. RSPAN session 1 is incompletely configured for monitoring.
- D. SPAN session 2 monitors all traffic entering and exiting port FastEthernet 0/15.

Correct Answer: C

## QUESTION 2

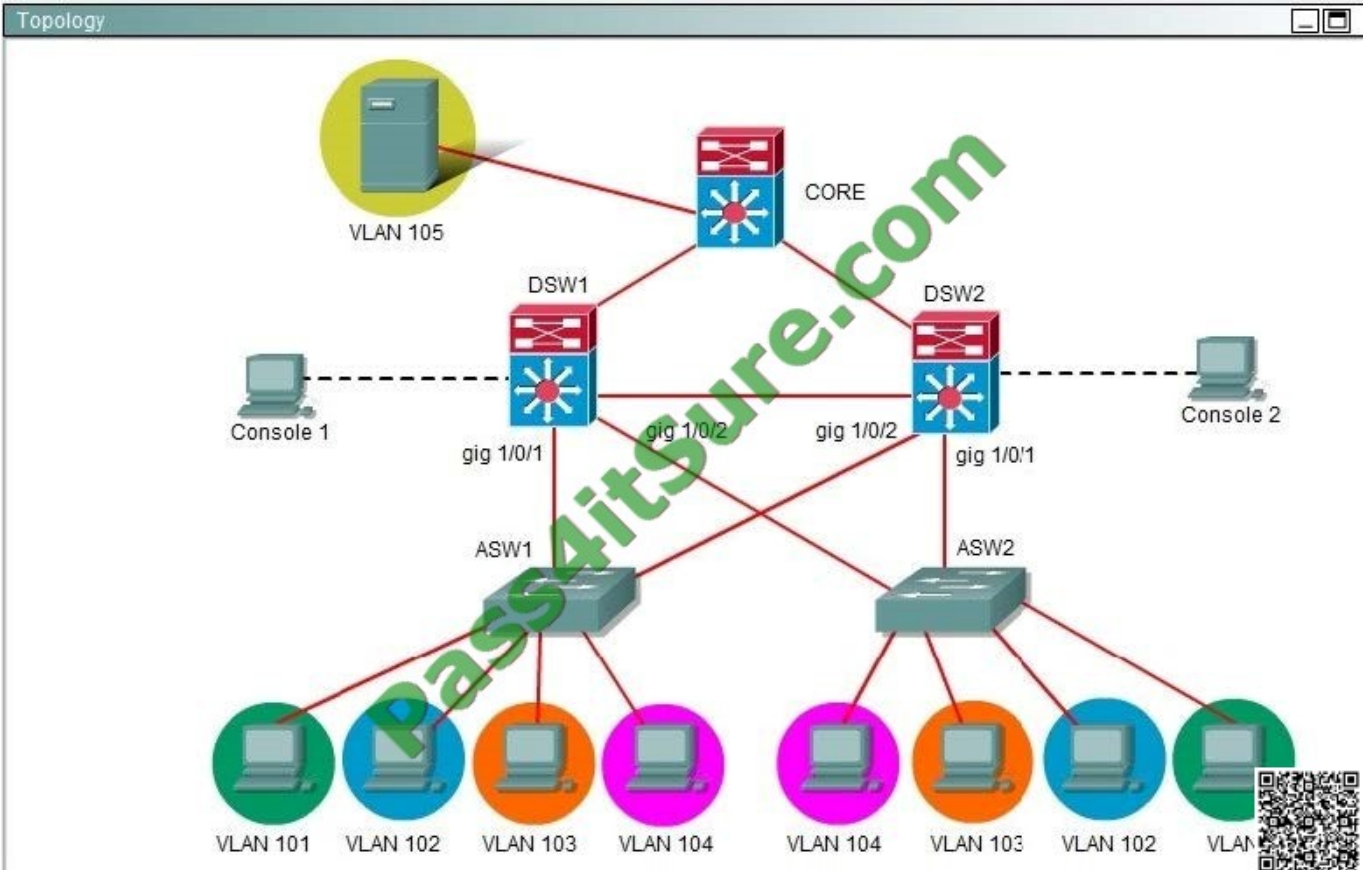
Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

?DSW1 -primary device for VLAN 101 VLAN 102 and VLAN 105

?DSW2 - primary device for VLAN 103 and VLAN 104

?A failure of GigabitEthernet1/0/1 on primary device should cause the primary device to release its status as the primary device, unless GigabitEthernet1/0/1 on backup device has also failed.

Troubleshooting has identified several issues. Currently all interfaces are up. Using the running configurations and show commands, you have been asked to investigate and respond to the following question.



All interfaces are active. DSW2 has not become the active device for the VLAN 103 HSRP group. As related to the VLAN 103 HSRP group, what can be done to make the group function properly?

- A. On DSW1, disable preempt.
- B. On DSW1, decrease the priority value to a value less than 190 and greater than 150.
- C. On DSW2, increase the priority value to a value greater 200 and less than 250.
- D. On DSW2, increase the decrement value in the track command to a value greater than 10 and less than 50.

Correct Answer: C

### QUESTION 3

Which authentication service is needed to configure 802.1x?

- A. RADIUS with EAP Extension
- B. TACACS+
- C. RADIUS with CoA
- D. RADIUS using VSA

Correct Answer: A

**QUESTION 4**

Refer to the exhibit.



Which option describes the reason for this message in a GLBP configuration?

- A. Unavailable GLBP active forwarder
- B. Incorrect GLBP IP address
- C. HSRP configured on same interface as GLBP
- D. Layer 2 loop

Correct Answer: D

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**QUESTION 5**

A server with a statically assigned IP address is attached to a switch that is provisioned for DHCP snooping. For more protection against malicious attacks, the network team is considering enabling dynamic ARP inspection alongside DHCP snooping. Which solution ensures that the server maintains network reachability in the future?

- A. Disable DHCP snooping information option.
- B. Configure a static DHCP snooping binding entry on the switch.
- C. Trust the interface that is connected to the server with the ip dhcp snooping trust command.
- D. Verify the source MAC address of all untrusted interfaces with ip dhcp snooping verify mac-address command.

Correct Answer: B

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**QUESTION 6**

A network engineer is installing a switch for temporary workers to connect to. The engineer does not want this switch participating in Spanning Tree with the rest of the network; however, end user connectivity is still required. Which spanning-tree feature accomplishes this?

- A. BPDUBlock
- B. BPDUFILTER



C. BPDUIgnore

D. BPDUGuard

E. BPDUDisable

Correct Answer: B

---

#### QUESTION 7

Which VTP mode is needed to configure an extended VLAN, when a switch is configured to use VTP versions 1 or 2?

A. transparent

B. client

C. server

D. Extended VLANs are only supported in version 3 and not in versions 1 or 2.

Correct Answer: D

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#### QUESTION 8

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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#### QUESTION 9

The network monitoring application alerts a network engineer of a client PC that is acting as a rogue DHCP server. Which two commands help trace this PC when the MAC address is known? (Choose two.)

A. switch# show mac address-table

B. switch# show port-security

C. switch# show ip verify source

D. switch# show ip arp inspection

E. switch# show mac address-table address



Correct Answer: AE

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#### QUESTION 10

What action should a network administrator take to enable VTP pruning on an entire management domain?

- A. Enable VTP pruning on any client switch in the domain.
- B. Enable VTP pruning on every switch in the domain.
- C. Enable VTP pruning on any switch in the management domain.
- D. Enable VTP pruning on a VTP server in the management domain.

Correct Answer: D

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#### QUESTION 11

Which command globally enables AAA on a device?

- A. aaa new-model
- B. aaa authentication
- C. aaa authorization
- D. aaa accounting

Correct Answer: A

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#### QUESTION 12

A DHCP configured router is connected directly to a switch that has been provisioned with DHCP snooping. IP Source Guard with the ip verify source port-security command is configured under the interfaces that connect to all DHCP clients on the switch. However, clients are not receiving an IP address via the DHCP server. Which option is the cause of this issue?

- A. The DHCP server does not support information option 82.
- B. The DHCP client interfaces have storm control configured.
- C. Static DHCP bindings are not configured on the switch.
- D. DHCP snooping must be enabled on all VLANs, even if they are not utilized for dynamic address allocation.

Correct Answer: A

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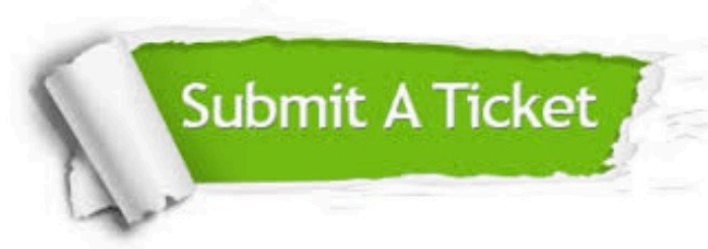
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