



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

Implementing Cisco IP Switched Networks

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### QUESTION 1

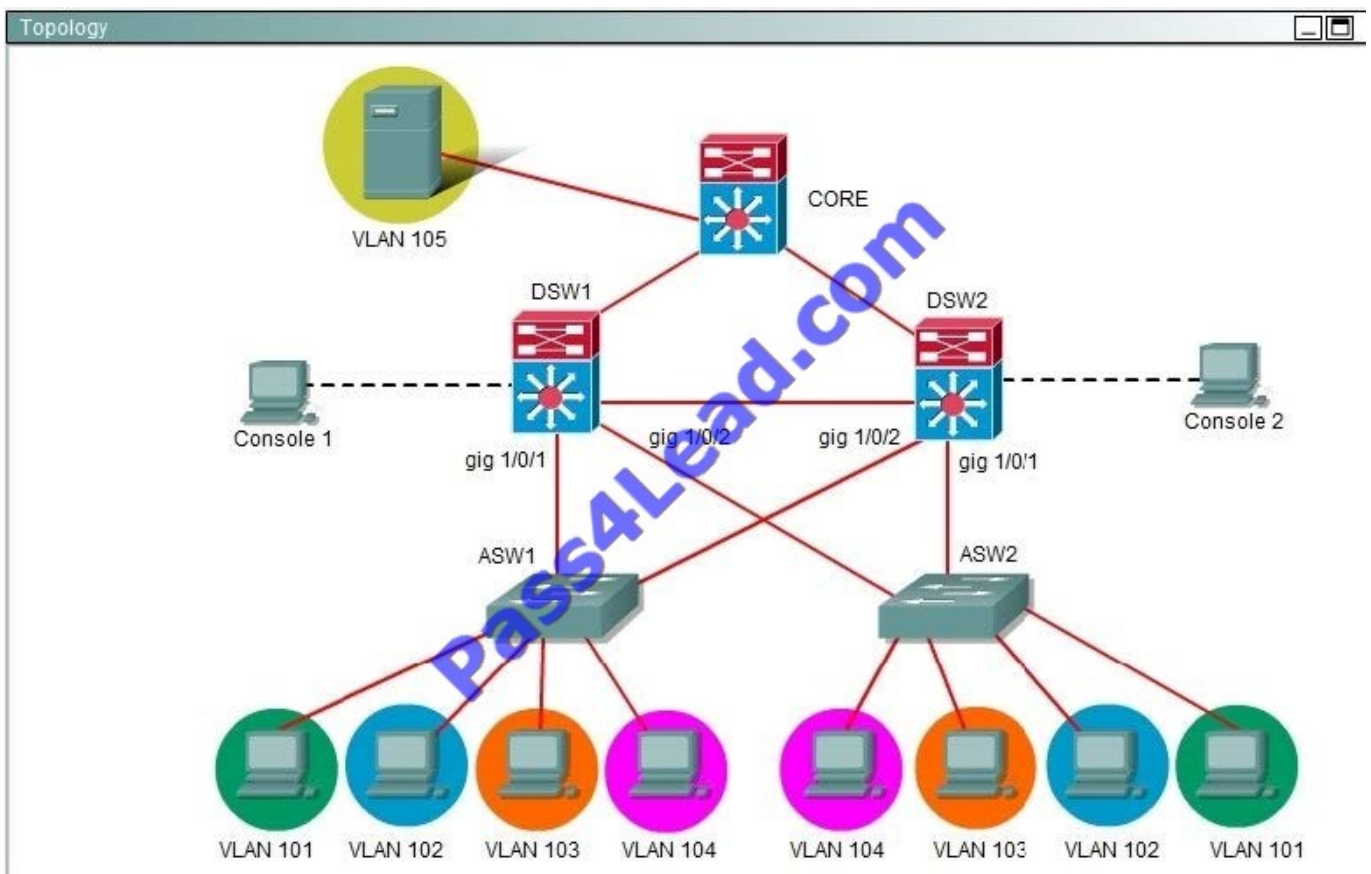
Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

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.



If GigabitEthernet1/0/1 on DSW2 is shutdown, what will be the resulting priority value of the VLAN 105 HSRP group on router DSW2?

- B. 100
- C. 150
- D. 200



Correct Answer: A

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## QUESTION 2

In a Cisco switch, what is the default period of time after which a MAC address ages out and is discarded?

- A. 100 seconds
- B. 180 seconds
- C. 300 seconds
- D. 600 seconds

Correct Answer: C

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## QUESTION 3

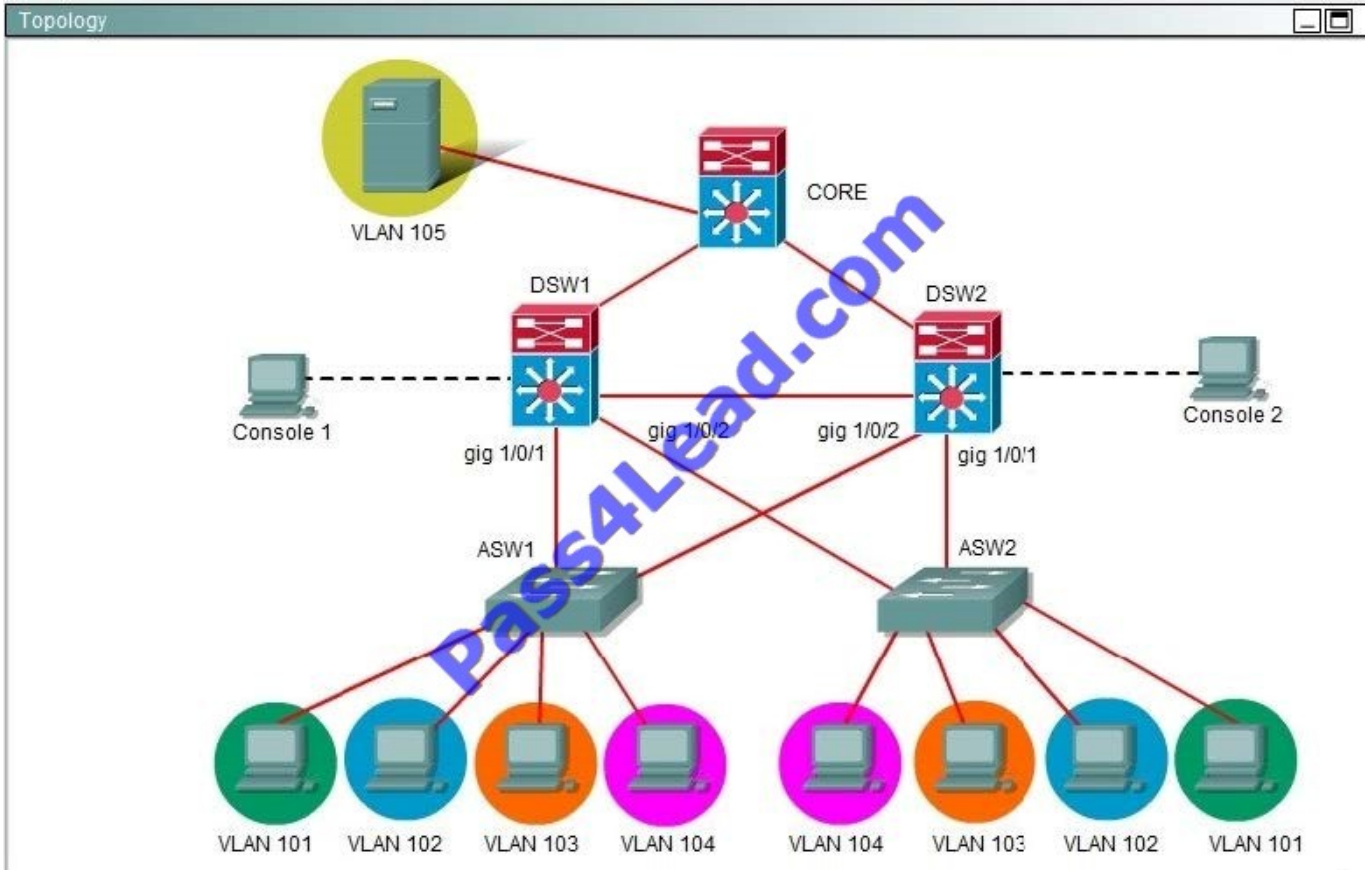
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DSW1 -primary device for VLAN 101 VLAN 102 and VLAN 105

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.



What is the priority value of the VLAN 105 HSRP group on DSW2?

- A. 50
- B. 100
- C. 150
- D. 200

Correct Answer: B

#### QUESTION 4

An access switch has been configured with an EtherChannel port. After configuring SPAN to monitor this port, the network administrator notices that not all traffic is being replicated to the management server. What is a cause for this issue?

- A. VLAN filters are required to ensure traffic mirrors effectively.
- B. SPAN encapsulation replication must be enabled to capture EtherChannel destination traffic.
- C. The port channel can be used as a SPAN source, but not a destination.

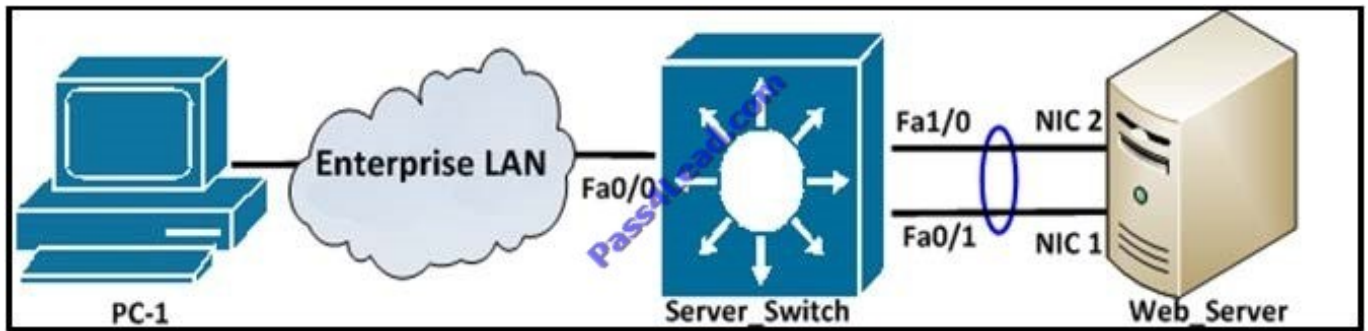


D. RSPAN must be used to capture EtherChannel bidirectional traffic.

Correct Answer: C

### QUESTION 5

Refer to the exhibit.



Users of PC-1 experience slow connection when a webpage is requested from the server. To increase bandwidth, the network engineer configured an EtherChannel on interfaces Fa1/0 and Fa0/1 of the server farm switch, as shown here:

```
Server_Switch#sh etherchannel load-balance
```

```
EtherChannel Load-Balancing Operational State (src-mac):
```

```
Non-IP: Source MAC address
```

```
IPv4: Source MAC address
```

```
IPv6: Source IP address
```

```
Server_Switch#
```

However, traffic is still slow. Which action can the engineer take to resolve this issue?

- A. Disable EtherChannel load balancing.
- B. Upgrade the switch IOS to IP services image.
- C. Change the load-balance method to dst-mac.
- D. Contact Cisco TAC to report a bug on the switch.

Correct Answer: C



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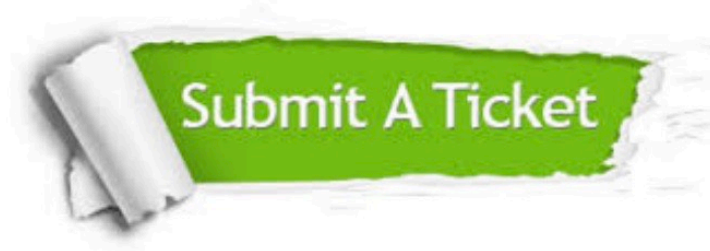
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