

Cisco.300-115.v2018-03-02.q185

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https://www.freecram.net/torrent/Cisco.300-115.v2018-03-02.q185.html	

NEW QUESTION: 1

When SDM templates are configured, which action must be performed for the configuration to take effect?

- A. write memory
- B. backup config
- C. reload
- D. shutdown

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

HSRP was implemented and configured on two switches while scheduled network maintenance was performed.

```
hostname Switch1
interface Vlan10
ip address 172.16.10.32 255.255.255.0
no ip redirects
standby 1 ip 172.16.10.110
standby 1 timers 1 5
standby 1 priority 130
-----
hostname Switch2
interface Vlan10
ip address 172.16.10.33 255.255.255.0
no ip redirects
standby 1 ip 172.16.10.110
standby 1 timers 1 5
standby 1 priority 120
```

After the two switches have finished rebooting, you notice via show commands that Switch2 is the HSRP active router. Which two items are most likely the cause of Switch1 not becoming the active router? (Choose two)

- A. standby group number does not match VLAN number
- B. IP redirect is disabled

- C. preemption is disabled
- D. IP addressing is incorrect
- E. booting delays
- F. incorrect standby timers

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

Refer to the exhibit.

```
Switch#sh int g0/12
GigabitEthernet0/23 is up, line protocol is down (monitoring)
  Hardware is C6k 1000Mb 802.3, address is 001c.f9d4.7500 (bia
  001c.f9d4.7500)
  MTU 1500 bytes, BW 1000000 Kbit, DLY 10 usec,
    Reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  Keepalive set (10 sec)
  Full-duplex, 1000Mb/s
```

A network engineer investigates a recent network failure and notices that one of the interfaces on the switch is still down. What is causing the line protocol on this interface to be shown as down?

- A. The interface is configured as the source of the SPAN session.
- B. There is a speed mismatch on the interface.
- C. There is a duplex mismatch on the interface.
- D. There is a layer 1 physical issue.
- E. The interface is configured as the target of the SPAN session.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

Which option describes a limitation of LLDP?

- A. LLDP does not support TLVs.
- B. LLDP can discover up to two devices per port.
- C. LLDP cannot provide information about VTP.
- D. LLDP can discover only Windows servers.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

Which switch feature prevents traffic on a LAN from being overwhelmed by continuous multicast or broadcast traffic?

- A. VLAN trunking
- B. storm control
- C. VTP pruning
- D. port security

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

Refer to the exhibit.

```
username cisco password cisco
!
aaa new-model
radius-server host 10.1.1.50 auth-port 1812 key C1sc0123
aaa authentication login default group radius local line
aaa authentication logging NO_AUTH none
!
line vty 0 15
login authentication default
password linepass
line console 0
login authentication NO_AUTH
```

Which login credentials are required when connecting to the console port in this output?

- A. login authentication default
- B. username cisco with password cisco
- C. none required
- D. no username with password linepass

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

CORRECT TEXT

You have been tasked with configuring multilayer SwitchC, which has a partial configuration and has been attached to RouterC as shown in the topology diagram.

You need to configure SwitchC so that Hosts H1 and H2 can successfully ping the server S1. Also SwitchC needs to be able to ping server S1.

Due to administrative restrictions and requirements you should not add/delete vlans or create trunk links. Company policies forbid the use of static or default routing. All routes must be learned via EIGRP 65010 routing protocol.

You do not have access to RouterC. RouterC is correctly configured. No trunking has been configured on RouterC.

Routed interfaces should use the lowest host on a subnet when possible. The following subnets are available to implement this solution:

- 10.10.10.0/24
- 190.200.250.32/27
- 190.200.250.64/27

Hosts H1 and H2 are configured with the correct IP address and default gateway.

SwitchC uses Cisco as the enable password.

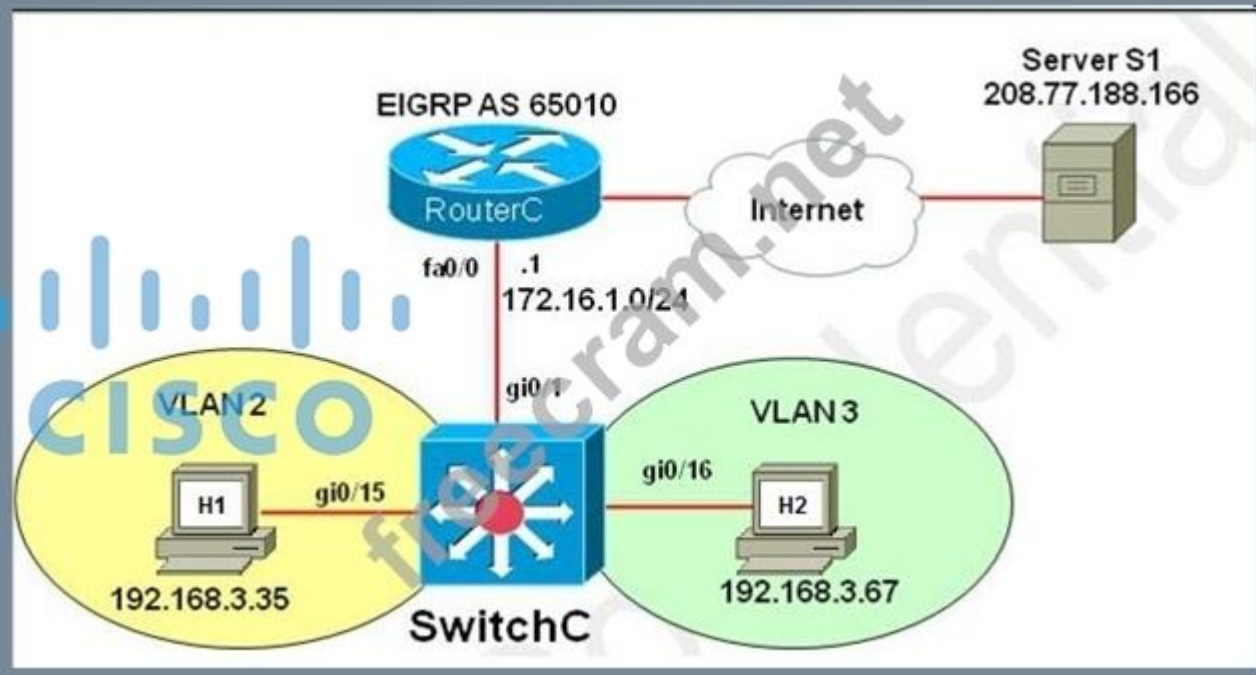
Routing must only be enabled for the specific subnets shown in the diagram.

Note: Due to administrative restrictions and requirements you should not add or delete VLANs, changes VLAN port assignments or create trunks. Company policies forbid the use of static or default routing. All routes must be learned via the EIGRP routing protocol.

freecram.net



Press RETURN to get started!





The image shows a Cisco IOS terminal window. At the top, there is a large blue Cisco logo and a diagonal watermark that reads "freecram.net". The terminal output displays a series of status messages for various interfaces. The first set of messages shows interfaces GigabitEthernet0/22 through 0/28 changing to an administratively down state. The second set shows interfaces GigabitEthernet0/1, 0/16, and 0/15 changing to an up state, with corresponding line protocols also changing to up. The terminal ends with a prompt to press RETURN to get started.

```
Press RETURN to get started!  
...  
LINK-3-UPDOWN: Interface GigabitEthernet0/22, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/23, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/24, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/25, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/26, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/27, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/28, changed state to administratively  
down  
LINK-3-UPDOWN: Interface GigabitEthernet0/1, changed state to up  
LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed stat  
to up  
LINK-3-UPDOWN: Interface GigabitEthernet0/16, changed state to up  
LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/16, changed sta  
to up  
LINK-3-UPDOWN: Interface GigabitEthernet0/15, changed state to up  
LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/15, changed sta  
to up  
Press RETURN to get started!
```

Answer:

There are two ways to configure interVLAN routing in this case:

- + Use RouterC as a "router on a stick" and SwitchC as a pure Layer2 switch. Trunking must be established between RouterC and SwitchC.
- + Only use SwitchC for interVLAN routing without using RouterC, SwitchC should be configured as a Layer 3 switch (which supports ip routing function as a router). No trunking requires.

The question clearly states "No trunking has been configured on RouterC" so RouterC does not contribute to interVLAN routing of hosts H1 & H2 -> SwitchC must be configured as a Layer 3 switch with SVIs for interVLAN routing.

We should check the default gateways on H1 & H2. Click on H1 and H2 and type the "ipconfig" command to get their default gateways.

The Answer:

\>ipconfig

We will get the default gateways as follows:

Host1:

+ Default gateway: 190.200.250.33

Host2:

+ Default gateway: 190.200.250.65

Now we have enough information to configure SwitchC (notice the EIGRP AS in this case is 650) Note: VLAN2 and VLAN3 were created and gi0/10, gi0/11 interfaces were configured as access ports so we don't need to configure them in this sim.

SwitchC# configure terminal

SwitchC(config)# int gi0/1

SwitchC(config-if)#no switchport -> without using this command, the simulator does not let you assign IP address on Gi0/1 interface.

SwitchC(config-if)# ip address 10.10.10.2 255.255.255.0 ->RouterC has used IP

10.10.10.1 so this is the lowest usable IP address.

SwitchC(config-if)# no shutdown

SwitchC(config-if)# exit

SwitchC(config)# int vlan 2

SwitchC(config-if)# ip address 190.200.250.33 255.255.255.224

SwitchC(config-if)# no shutdown

SwitchC(config-if)# int vlan 3

SwitchC(config-if)# ip address 190.200.250.65 255.255.255.224

SwitchC(config-if)# no shutdown

SwitchC(config-if)#exit

SwitchC(config)# ip routing (Notice: MLS will not work without this command) SwitchC(config)# router eigrp 65010 SwitchC(config-router)# network 10.10.10.0 0.0.0.255

SwitchC(config-router)# network 190.200.250.32 0.0.0.31

SwitchC(config-router)# network 190.200.250.64 0.0.0.31

NOTE: THE ROUTER IS CORRECTLY CONFIGURED, so you will not miss within it in the exam, also don't modify/delete any port just do the above configuration. Also some reports said the "no auto-summary" command can't be used in the simulator, in fact it is not necessary because the network 190.200.0.0/16 is not used anywhere else in this topology.

In order to complete the lab, you should expect the ping to SERVER to succeed from the MLS, and from the PCs as well.

Also make sure you use the correct EIGRP AS number (in the configuration above it is 650 but it will change when you take the exam) but we are not allowed to access RouterC so the only way to find out the EIGRP AS is to look at the exhibit above. If you use wrong AS number, no neighbor relationship is formed between RouterC and SwitchC.

In fact, we are pretty sure instead of using two commands "network 190.200.250.32 0.0.0.31 and "network 190.200.250.64 0.0.0.31 we can use one simple command "network 190.200.0.0 because it is the nature of distance vector routing protocol like EIGRP: only major networks need to be advertised; even without "no auto-summary" command the network still works correctly. But in the exam the sim is just a flash based simulator so we should use two above commands, just for sure. But after finishing the configuration, we can use "show run" command to verify, only the summarized network 190.200.0.0 is shown.

NEW QUESTION: 8

Refer to the exhibit.


```
interface GigabitEthernet0/1
  switchport
  switchport mode trunk
  switchport trunk allowed vlan 1-100
!
interface GigabitEthernet0/48
  switchport
  switchport mode access
!
monitor session 1 source interface GigabitEthernet0/1
monitor session 1 destination interface GigabitEthernet0/48
```



How can the traffic that is mirrored out the GigabitEthernet0/48 port be limited to only traffic that is received or transmitted in VLAN 10 on the GigabitEthernet0/1 port?

- A. Change the monitor session source to VLAN 10 instead of the physical interface.
- B. Apply the monitor session filter globally to allow only traffic from VLAN 10.
- C. Change the configuration for GigabitEthernet0/48 so that it is a member of VLAN 10.
- D. Add an access list to GigabitEthernet0/48 to filter out traffic that is not in VLAN 10.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 9

CORRECT TEXT

The central offices for a footwear distributor are enhancing their wiring closets with Layer3 switches. The new distribution-layer switch has been installed and a new access-layer switch cabled to it. Your task is to configure VTP to share VLAN information from the distribution-layer switch to the access-layer devices. Then, it is necessary to configure interVLAN routing on the distribution-layer switch to route traffic between the different VLANs that are configured on the access-layer switches; however, it is not necessary for you to make the specific VLAN port assignments on the access-layer switches. Also, because VLAN database mode is being deprecated by Cisco, all VLAN and VTP configurations are to be completed in the global configuration mode. Please reference the following table for the VTP and VLAN information to be configured:



eSIM™ Professional 00:00:01

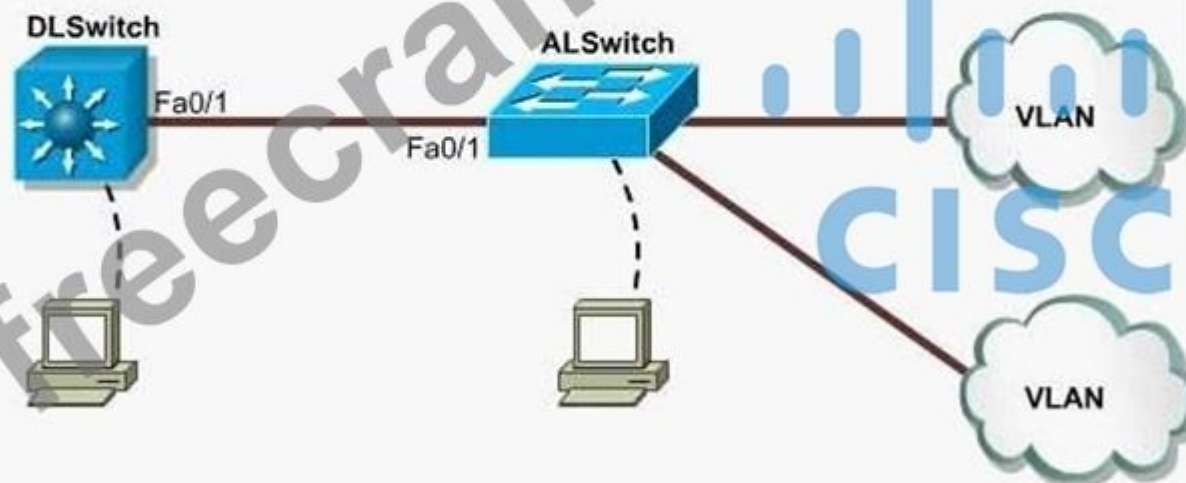
Scenario 1 Version 1.0

You will have to scroll this window and the problem statement window to view the entire problem.

To configure the switch click on a host icon that is connected to a switch by a serial console cable (shown in the diagram as a curved dashed black line).

The [Tab] key

Hide Topology



VTP Domain name : cisco

VLAN Ids 20 31

IP Addresses 172.16.71.1/24 172.16.132.1/24

These are your specific tasks:

- 1 . Configure the VTP information with the distribution layer switch as the VTP server
- 2 . Configure the VTP information with the access layer switch as a VTP client
- 3 . Configure VLANs on the distribution layer switch
- 4 . Configure inter-VLAN routing on the distribution layer switch
- 5 . Specific VLAN port assignments will be made as users are added to the access layer switches in the future.
6. All VLANs and VTP configurations are to be completed in the global configuration. To configure the switch click on the host icon that is connected to the switch by way of a serial console cable.

Answer:

Please refer to explanation below:

Explanation:

vtp server configuration:

```
switch#conf t
```

```
switch(config)#vtp mode server
```

```
switch(config)#vtp domain CISCO
```

```
switch(config)#vlan 20
```

```
switch(config)#vlan 31
```

```
switch(config)#int vlan 20
```

```
switch(if-config)#ip add 172.64.20.1 255.255.255.0
```

```
switch(if-config)#no shut
```

```
switch(if-config)#int vlan 31
```

```
switch(if-config)#ip add 192.162.31.1 255.255.255.0
```

```
switch(if-config)#no shut
```

```
switch(if-config)#exit
```

```
switch#ip routing
```

```
switch#copy run start
```

vtp client configuration:

```
switch#conf t
```

```
switch(config)#vtp mode client
```

```
switch(config)#vtp domain CISCO
```

```
switch#copy run start
```

Alternative #1

VTP DomainDistribution

VLAN Ids2031

IP Addresses172.16.16.1/24172.16.193.1/24

Alternative #12

VTP DomainDistribution

VLAN Ids3021

IP Addresses172.16.203.1/24172.16.93.1/24

NEW QUESTION: 10

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 address <mac address>

B. switch# show ip verify source

C. switch# show mac address-table

D. switch# show port-security

E. switch# show ip arp inspection

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

What is the default amount by which the hot standby priority for the router is decremented or incremented when the interface goes down or comes back up?

- A. 5
- B. 15
- C. 10
- D. 1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

When using EtherChannel misconfiguration guard, which technology is used to prevent this type of misconfiguration from affecting the network?

- A. PAgP
- B. port security
- C. STP
- D. LACP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

Which two statements about default FHRP behavior are true? (Choose two)

- A. A standby HSRP router becomes active if it has a higher priority than the priority of the current active router.
- B. A VRRP backup virtual router becomes the master router if its priority is higher than the priority of the current master router.
- C. A backup GLBP active virtual gateway can become active only if the current active virtual gateway fails.
- D. Preemption is enabled by default.
- E. Unless specifically Configured, the priority of an HSRP router is 200.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

Which two statements about manually-configured LACP EtherChannels are true? (Choose two)

- A. Each Physical port in the EtherChannel must have the same speed and duplex settings.
- B. They require Cisco Discovery Protocol
- C. They use an MD5 hash for equal load balancing.
- D. LACP negotiation must be disabled on both devices in the EtherChannel
- E. If the physical port configurations on the two devices are different, the ports are placed into the errdisabled state
- F. LACP negotiation must be disabled on one device in the EtherChannel

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

Which command would a network engineer apply to error-disable a switchport when a packet-storm is detected?

- A. router(config-if)#storm-control action trap
- B. router(config-if)#storm-control action error
- C. router(config-if)#storm-control action enable

D. router(config-if)#storm-control action shutdown

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Which statement is true about RSTP topology changes?

- A. Only nonedge ports moving to the forwarding state generate a TC BPDU.
- B. If either an edge port or a nonedge port moves to a block state, then a TC BPDU is generated.
- C. Only edge ports moving to the blocking state generate a TC BPDU.
- D. Any change in the state of the port generates a TC BPDU.
- E. Any loss of connectivity generates a TC BPDU.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 17

Refer to the exhibit.



Which two statements about the network environment of the device that generated this output are true? (Choose two.)

- A. The local device has a higher priority setting than the active router.
- B. The virtual IP address of the HSRP group is 10.1.1.1
- C. if the local device fails to receive a hello from the active router for more than 5 seconds, it can become the active router.
- D. If a router with a higher IP address and same HSRP priority as the active router becomes available, that router becomes the new active router 5 seconds later.
- E. The hello and hold timers are set to custom values.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

Which statement about Layer 2 protocol participation of ports involved in a SPAN session is true?

- A. A SPAN destination does not participate in any Layer 2 protocols
- B. A SPAN source does not participate in any Layer 2 protocols
- C. Both SPAN source and SPAN destination participate in any Layer 2 protocols
- D. Neither a SPAN source nor SPAN destination participates in any Layer 2 protocols.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

Refer to the exhibit.

```
R1#show running-config interface fa0/0
Building configuration...

Current configuration : 192 bytes
!
interface FastEthernet0/0
 ip address 192.168.3.5 255.255.255.0
 duplex full
 vrrp 1 ip 192.168.3.1
 vrrp 1 priority 110
 vrrp 1 authentication text cisco
 vrrp 1 track 20 decrement 20
end

R1#show running-config | include track 20
track 20 ip route 10.10.1.1 255.255.255.255 reachability

R2#show running-config interface fa0/0
Building configuration...

Current configuration : 141 bytes
!
interface FastEthernet0/0
 ip address 192.168.3.2 255.255.255.0
 duplex full
 vrrp 1 ip 192.168.3.1
 vrrp 1 authentication text cisco
end
```

Currently, R1 is the VRRP master virtual router. Which statement about the VRRP configuration on R1 and R2 is true?

- A. R2 does not have a route to 10.10.1.1/32 in its routing table.
- B. Communication between VRRP members is encrypted using MD5.
- C. R1 has a route to 10.10.1.1/32 in its routing table.
- D. R2 becomes master if R1 reboots or track in R1 does not fail.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

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 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.
- D.** 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.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

After the implementation of several different types of switches from different vendors, a network engineer notices that directly connected devices that use Cisco Discovery Protocol are not visible. Which vendor-neutral protocol could be used to resolve this issue?

- A.** Link Layer Discovery Protocol
- B.** NetFlow
- C.** Local Area Mobility
- D.** Directed Response Protocol

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

A network engineer has just deployed a non-Cisco device in the network and wants to get information about it from a connected device. Cisco Discovery Protocol is not supported, so the open standard protocol must be configured. Which protocol does the network engineer configure on both devices to accomplish this?

- A.** LLTD
- B.** LLDP
- C.** IRDP
- D.** NDP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 23

Which two statements about 802.1q are true? (Choose two)

- A.** It is a Cisco proprietary protocol.
- B.** It encapsulates the original Ethernet frame and adds a VLAN identifier.
- C.** It increases the maximum size an Ethernet frame to 1094 bytes.
- D.** When It is enabled, it forces a recalculation of the frame check sequence field.
- E.** It supports 8-byte VLAN identifiers.
- F.** It adds a 32-bit field to the Ethernet frame between the source MAC address and length fields.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

An engineer is configuring EtherChannel between two switches using PAgP. If the EtherChannel mode on switch 1 is configured using auto, which mode on switch 2 establishes an operational EtherChannel?

- A. auto
- B. desirable
- C. active
- D. passive

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

Which statement about the MAC address sticky entries in the switch when the copy run start command is entered is true?

- A. A sticky MAC address is lost when the switch reboots.
- B. A sticky MAC address can be a unicast or multicast address.
- C. A sticky MAC address ages out of the MAC address table after 600 seconds.
- D. A sticky MAC address is retained when the switch reboots.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

Which two statements about StackWise are true? (Choose two.)

- A. It groups multiple switch ports as a single EtherChannel.
- B. It can use one IP address to communicate with n/w (network).
- C. It monitors multiple switches from a central console.
- D. It enables multiple switch ports to share a single master configuration.
- E. It allows multiple switches to operate as a single switch.

Answer: ([SHOW ANSWER](#))

https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-3750-series-switches/prod_white_paper09186a00801b096a.html

NEW QUESTION: 27

A network engineer is extending a LAN segment between two geographically separated data centers. Which enhancement to a spanning-tree design prevents unnecessary traffic from crossing the extended LAN segment?

- A. Modify the spanning-tree priorities to dictate the traffic flow.
- B. Configure manual trunk pruning between the two locations.
- C. Create a Layer 3 transit VLAN to segment the traffic between the sites.
- D. Use VTP pruning on the trunk interfaces.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

A network engineer must adjust the STP interface attributes to influence root port selection.

Which two elements are used to accomplish this? (Choose two.)

- A. port-priority
- B. root guard

- C. link type
- D. forward-timers
- E. cost

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

Which statement is correct about 802.1Q trunking?

- A. 802.1Q trunking can only be configured on a Layer 2 port.
- B. Both switches must be in the same VTP domain.
- C. In 802.1Q trunking, all VLAN packets are tagged on the trunk link, except the native VLAN.
- D. The native VLAN on both ends of the trunk must be VLAN 1.
- E. The encapsulation type of both ends of the trunk does not have to match.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

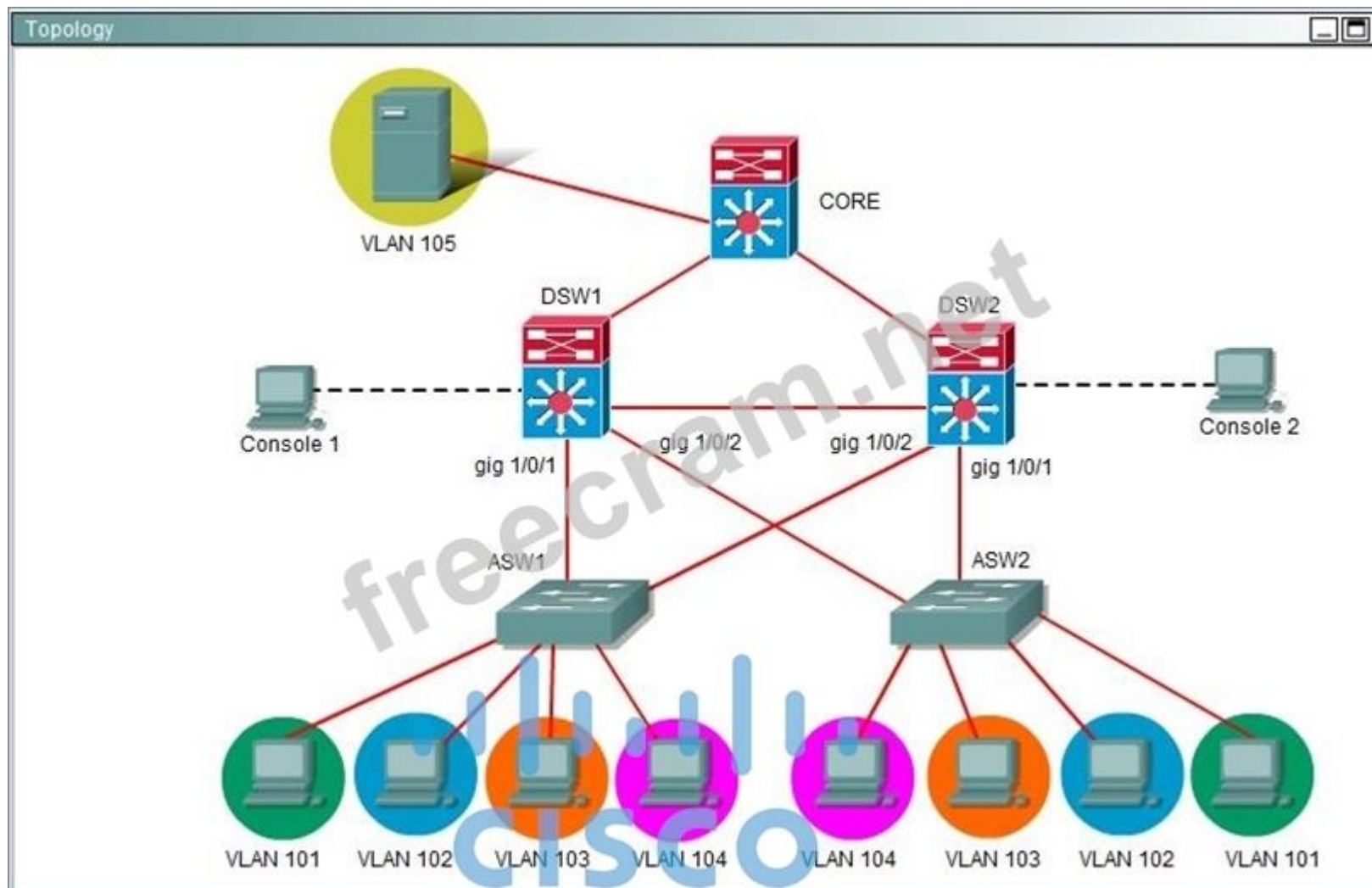
Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

* 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.



CISCO
freecram.net



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.

Answer: ([SHOW ANSWER](#))

Explanation: The reason DSW2 has not become the active switch for Vlan103 is because the priority value of DSW1 is higher than that of DSW2. In order to make DSW2 become the active switch, we need to increase DSW2's priority (to higher than 200) or decrease DSW1's priority (to lower than 190) -> B and C are correct.

But there is another requirement from this question that "A failure on gig1/0/1 on primary device should cause the primary device to release its status as the primary device, unless GigabitEthernet 1/0/1 on backup device has also failed". This requirement makes answer B incorrect. For example, we choose to decrease the priority value on DSW1 to 160 (according to answer B) then DSW2 will become active switch (that is good). When Gi1/0/1 on DSW2 goes down, the priority of DSW2 will be $190 - 50 = 140 < 160$ -> DSW1 will become new active switch (it is good, too). But when Gi1/0/1 on DSW1 also goes down, the priority of DSW1 will be $160 - 10 = 150$ and it is still greater than 140 of DSW2 -> DSW2 cannot retake the active role as the requirement of this question.

NEW QUESTION: 31

What is needed for Virtual Switching System "VSS"?

- A. Virtual Switching Link "or VSL"
- B. portchannel
- C. trunk
- D. Virtual trunk

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

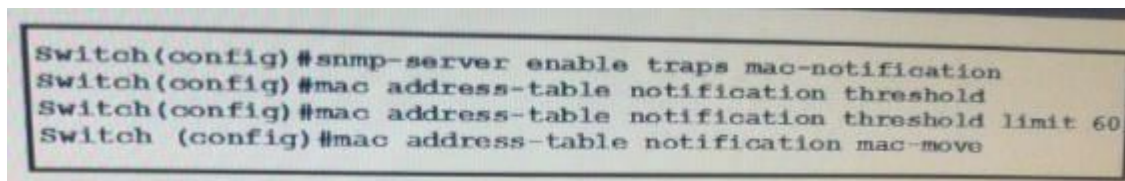
When a switch is added to a stack, which switch automatically configures the new switch with the correct IOS?

- A. peer
- B. master
- C. adjacent
- D. slave

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

Refer to the Exhibit:



```
Switch(config)#snmp-server enable traps mac-notification
Switch(config)#mac address-table notification threshold
Switch(config)#mac address-table notification threshold limit 60
Switch (config)#mac address-table notification mac-move
```

Which two statements correctly indicates when an SNMP trap is sent to the switch?

(Choose Two)

- A. When the phone previously on Fa0/2 is now connect to Fa0/5
- B. When 61 MAC address are in the switch
- C. When 61 percent of the Address table capacity is used
- D. When the switch loses power and reboots
- E. When a new workstation connects to port F0/1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Which statement about using native VLANs to carry untagged frames is true?

- A. Cisco Discovery Protocol version 1 carries native VLAN information, but version 2 does not.
- B. Cisco Discovery Protocol version 2 carries native VLAN information, but version 1 does not.
- C. Cisco Discovery Protocol version 1 and version 2 carry native VLAN information.
- D. Cisco Discovery Protocol version 3 carries native VLAN information, but versions 1 and 2 do not.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 35

The command storm-control broadcast level 75 65 is configured under the switch port connected to the corporate mail server. In which three ways does this command impact the traffic? (Choose three.)

- A. The switch drops broadcasts when they reach 75% of bandwidth.
- B. Only broadcast traffic is limited by this particular storm control configuration.
- C. SNMP traps are sent by default when broadcast traffic reaches 65% of the lower-level threshold.
- D. The switch resumes forwarding broadcasts when they are below 65% of bandwidth.
- E. The switchport is disabled when unicast traffic reaches 75% of the total interface bandwidth.
- F. Multicast traffic is dropped at 65% and broadcast traffic is dropped at 75% of the total interface bandwidth.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 36

To provide security, a service provider configures various private VLANs in its backbone network infrastructure to prevent certain VLAN communication to each other. Which version of VTP supports the use of private VLANs?

- A. VTP does not support private VLANs
- B. Version 2
- C. Version 1
- D. Version 3

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 37

A manager tells the network engineer to permit only certain VLANs across a specific trunk interface. Which option can be configured to accomplish this?

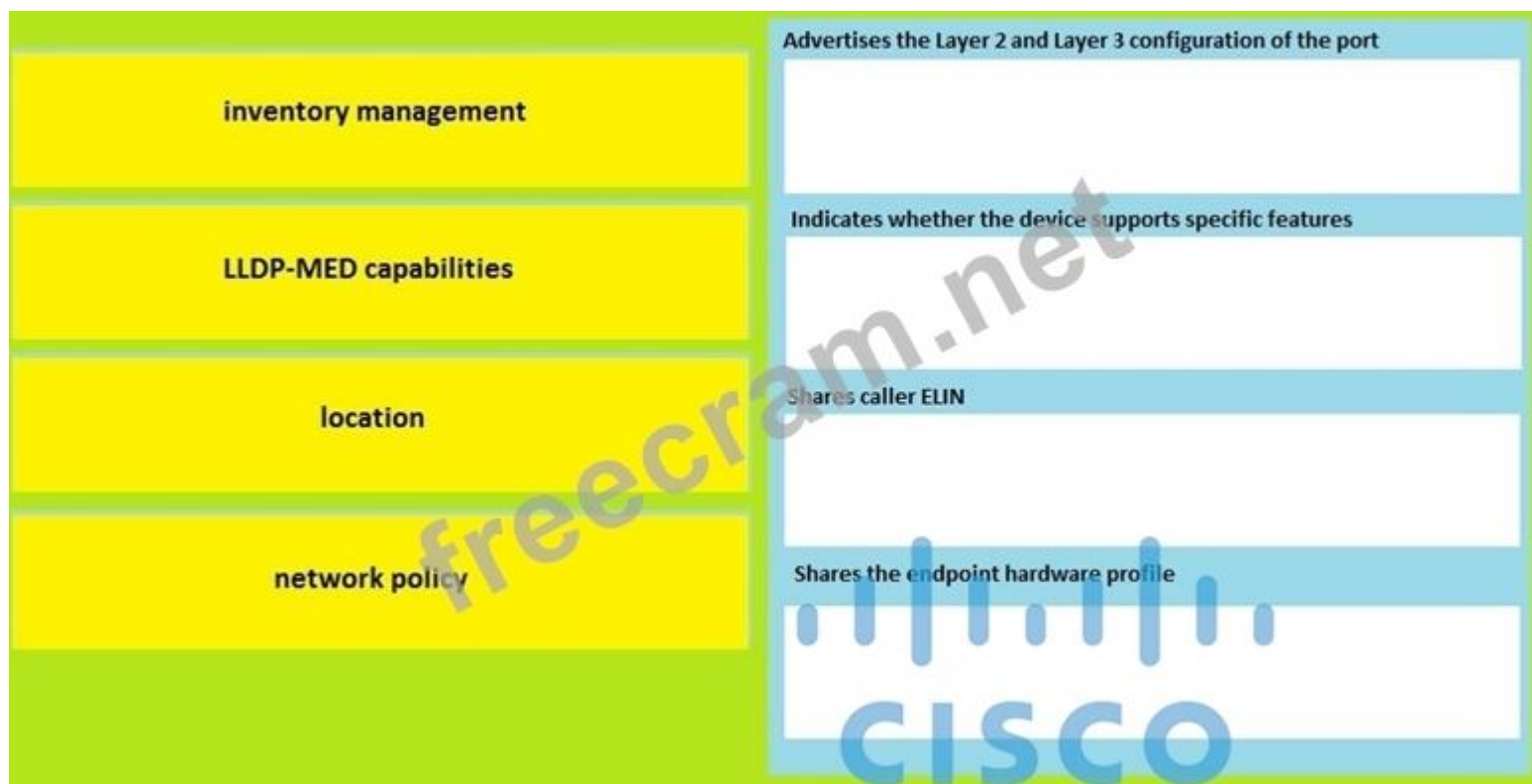
- A. VACL
- B. VTP pruning
- C. L2P tunneling
- D. allowed VLAN list

Answer: ([SHOW ANSWER](#))

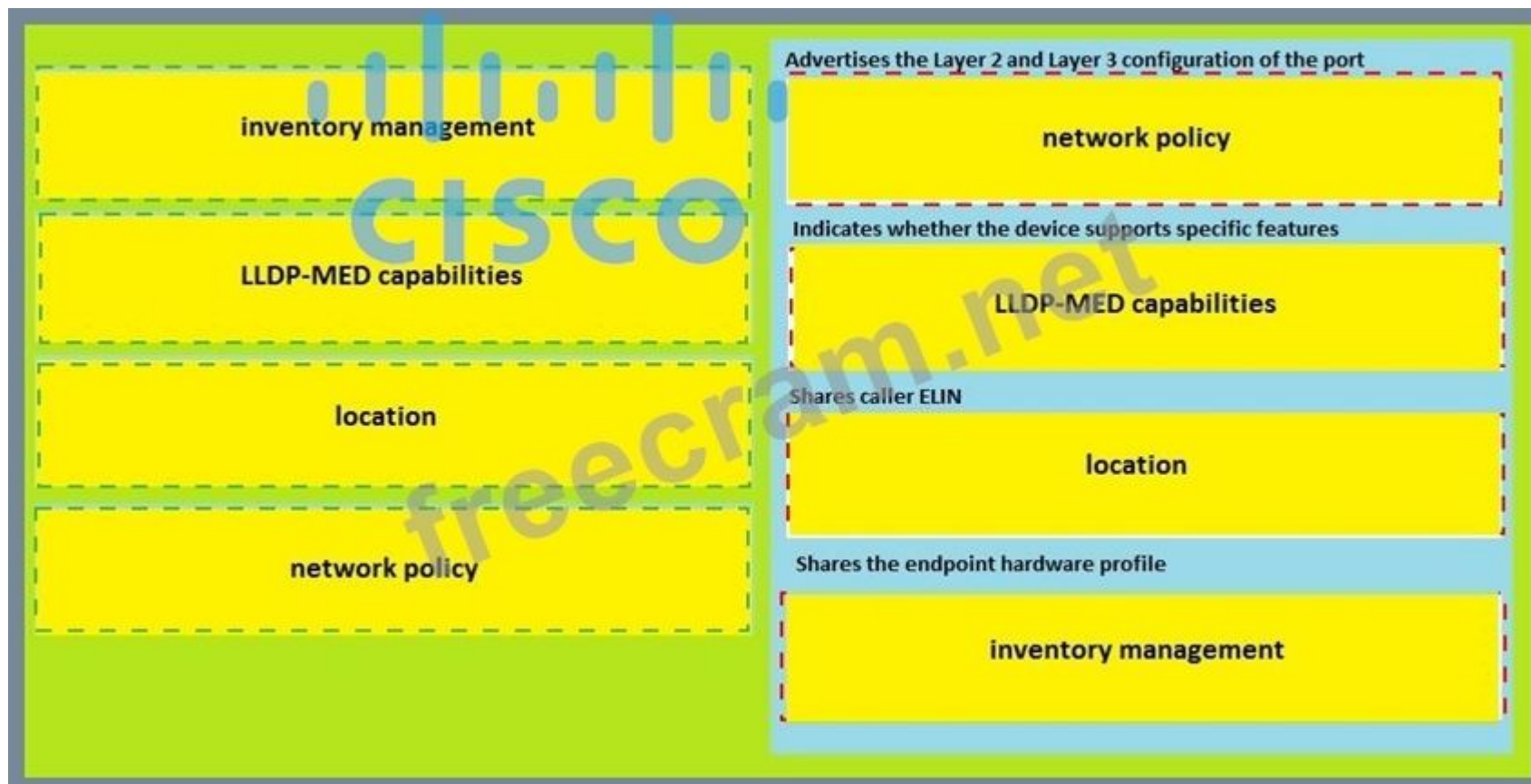
NEW QUESTION: 38

DRAG DROP

Drag and drop the LLDP-MED TLVs from the left onto the correct statemetns on the right.



Answer:



NEW QUESTION: 39

What is the maximum number of switches that can be stacked using Cisco StackWise?

- A. 5
- B. 4

- C. 9
- D. 13
- E. 10
- F. 8

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 40

When you design a switched network using VTPv2, how many VLANs can be used to carry user traffic?

- A. 4096
- B. 2048
- C. 1000
- D. 4095
- E. 1024
- F. 1001

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

CORRECT TEXT

SWITCH.com is an IT company that has an existing enterprise network comprised of two layer 2 only switches; DSW1 and ASW1. The topology diagram indicates their layer 2 mapping. VLAN 20 is a new VLAN that will be used to provide the shipping personnel access to the server. Corporate policies do not allow layer 3 functionality to be enabled on the switches. For security reasons, it is necessary to restrict access to VLAN 20 in the following manner:

* Users connecting to VLAN 20 via portfO/1 on ASW1 must be authenticated before they are given access to the network. Authentication is to be done via a Radius server:

* Radius server host: 172.120.40.46

* Radius key: rad123

* Authentication should be implemented as close to the host as possible.

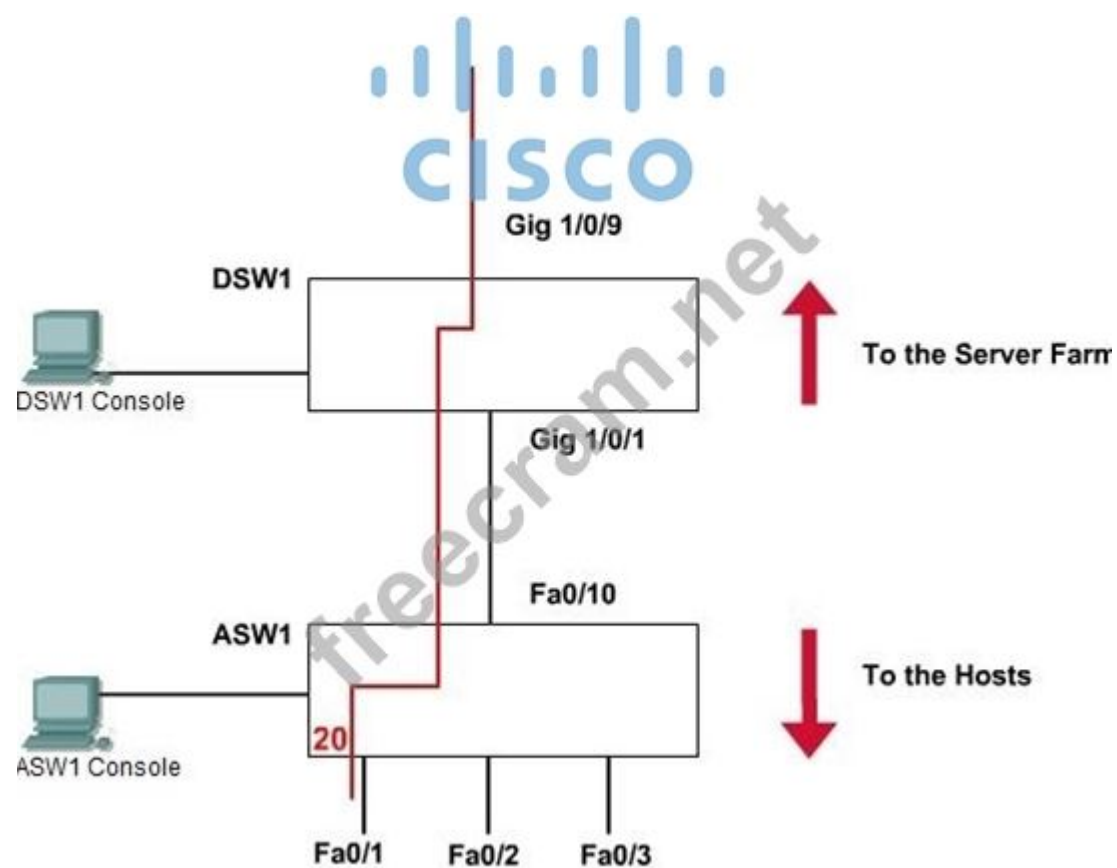
* Devices on VLAN 20 are restricted to the subnet of 172.120.40.0/24.

* Packets from devices in the subnet of 172.120.40.0/24 should be allowed on VLAN 20.

* Packets from devices in any other address range should be dropped on VLAN 20.

* Filtering should be implemented as close to the serverfarm as possible.

The Radius server and application servers will be installed at a future date. You have been tasked with implementing the above access control as a pre-condition to installing the servers. You must use the available IOS switch features.





Answer:

The configuration:

Step1: Console to ASW1 from PC console 1

```
ASW1(config)#aaa new-model
```

```
ASW1(config)#radius-server host 172.120.39.46 key rad123
```

```
ASW1(config)#aaa authentication dot1x default group radius
```

```
ASW1(config)#dot1x system-auth-control
```

```
ASW1(config)#inter fastEthernet 0/1
```

```
ASW1(config-if)#switchport mode access
```

```
ASW1(config-if)#dot1x port-control auto
```

```
ASW1(config-if)#exit
```

```
ASW1#copy run start
```

Step2: Console to DSW1 from PC console 2

```
DSW1(config)#ip access-list standard 10
```

```
DSW1(config-ext-nacl)#permit 172.120.40.0 0.0.0.255
```

```
DSW1(config-ext-nacl)#exit
```

```
DSW1(config)#vlan access-map PASS 10
```

```
DSW1(config-access-map)#match ip address 10
```

```
DSW1(config-access-map)#action forward
```

```
DSW1(config-access-map)#exit
```

```
DSW1(config)#vlan access-map PASS 20
```

```
DSW1(config-access-map)#action drop
```

```
DSW1(config-access-map)#exit
```

```
DSW1(config)#vlan filter PASS vlan-list 20
```

```
DSW1#copy run start
```


NEW QUESTION: 42

A network administrator configures 10 extended VLANs ranging from VLANs 3051 to 3060 in an enterprise network. Which version of VTP supports these extended VLANs?

- A. version 1
- B. VTP does not recognize extended VLANs.
- C. version 3
- D. version 2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

Which three pieces of information about the remote device are reported by Cisco Discovery Protocol? (Choose three.)

- A. Its hostname
- B. Its configuration register value
- C. Its port number
- D. Its spanning-tree state
- E. Its hardware platform
- F. The routing protocols in use on the device

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

Refer to the exhibit.



Switch A, B, and C are trunked together and have been properly configured for VTP.

Switch C receives VLAN information from the VTP server Switch A, but Switch B does not receive any VLAN information. What is the most probable cause of this behavior?

- A. Switch B is configured in transparent mode.
- B. Switch B is configured with an access port to Switch A, while Switch C is configured with a trunk port to Switch B.
- C. The VTP revision number of the Switch B is higher than that of Switch A.
- D. The trunk between Switch A and Switch B is misconfigured.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

In regards to Cisco Virtual Switching System which technology is needed between two switches for them to act as one network element and share control information and data traffic?

- A. virtual port channel
- B. EtherChannel
- C. virtual switch link
- D. trunk

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

A network engineer configured a fault-tolerance link on Gigabit Ethernet links G0/1, G0/2, G0/3, and G0/4 between two switches using Ethernet port-channel. Which action allows interface G0/1 to always actively forward traffic in the port-channel?

- A. Configure LACP port-priority on G0/1 to 1.
- B. Configure G0/1 as half duplex and G0/2 as full duplex.
- C. Configure LACP port-priority on G0/1 to 65535.
- D. LACP traffic goes through G0/4 because it is the highest interface ID.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

Which technique allows specific VLANs to be strictly permitted by the administrator?

- A. transparent bridging
- B. VTP pruning
- C. trunk allowed VLANs
- D. L2P tunneling
- E. VLAN access-list

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

While troubleshooting a network outage, a network engineer discovered an unusually high level of broadcast traffic coming from one of the switch interfaces. Which option decreases consumption of bandwidth used by broadcast traffic?

- A. storm control
- B. integrated routing and bridging
- C. Cisco IOS parser
- D. Dynamic ARP Inspection
- E. SDM routing

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

Which protocol will enable a group of routers to form a single virtual router and will use the real IP address of a router as the gateway address?

- A. HSRP
- B. IRDP
- C. Proxy ARP
- D. VRRP
- E. GLBP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

The network manager has requested that several new VLANs (VLAN 10, 20, and 30) are allowed to traverse the switch trunk interface. After the command `switchport trunk allowed vlan 10,20,30` is issued, all other existing VLANs no longer pass traffic over the trunk. What is the root cause of the problem?

- A. ISL was unable to encapsulate more than the already permitted VLANs across the trunk.
- B. VTP pruning removed all unused VLANs.
- C. The command effectively removed all other working VLANs and replaced them with the new VLANs.
- D. Allowing additional VLANs across the trunk introduced a loop in the network.

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 51

Which action allows a network engineer to limit a default VLAN from being propagated across all trunks?

- A. Use trunk pruning vlan 1.
- B. Manually prune default VLAN with `switchport trunk allowed vlans remove`.
- C. Upgrade to VTP version 3 for advanced feature set support.
- D. Enable VTP pruning on the VTP server.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

Which layer private VLAN partition the broadcast domain?

- A. Layer 4
- B. Layer 1
- C. Layer 2
- D. Layer 3

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

Which option is valid for EtherChannel load balancing?

- A. source MAC address and source IP address
- B. source MAC address and destination IP address
- C. source MAC address and destination MAC address

D. destination MAC address and destination IP address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

What is required for a LAN switch to support 802.1q Q-in-Q encapsulation?

- A. Support 1504 MTU or higher
- B. Support less than 1500 MTU
- C. Support 1547 MTU only
- D. Support 1522 layer 3 IP and IPX packet

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 55

Enablement of which feature puts the port into err-disabled state when the port has PortFast enabled and it receives BPDUs?

- A. EtherChannel
- B. BPDU guard
- C. BPDU filtering
- D. BackboneFast

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 56

Refer to the exhibit.

```
3512xl(config)#int fastEthernet 0/1
3512xl(config-if)#switchport mode trunk
3512xl(config-if)#switchport trunk encapsulation dot1q
```

How many bytes are added to each frame as a result of the configuration?

- A. 4-bytes except the native VLAN
- B. 8-bytes including native VLAN
- C. 8-bytes except the native VLAN
- D. 4-bytes including native VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 57

Which switch feature determines validity based on IP-to-MAC address bindings that are stored in a trusted database?

- A. Dynamic ARP Inspection
- B. storm control
- C. DHCP snooping
- D. VTP pruning

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

If a switch stack is configured to use SDM templates, where are the templates stored?

- A. TFTP server
- B. flash memory
- C. stack master
- D. all stack members

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

When a Cisco Catalyst switch that is configured in VTP server mode is first booted, which two VLAN ranges are loaded on the switch?

- A. VLANs greater than 1005 in the VLAN database file
- B. VLANs greater than 1005 in the startup-config file
- C. the first 1005 VLANs in the startup-config file
- D. the first 1005 VLANs in the VLAN database file
- E. all VLAN are in the VLAN database.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

Which technique automatically limits VLAN traffic to only the switches that require it?

- A. DTP in nonegotiate
- B. PBR
- C. access lists
- D. VTP pruning

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 61

What are three possible router states of HSRP routers on a LAN? (Choose three)

- A. Init
- B. Active
- C. Standby
- D. Established
- E. Backup
- F. Idle

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 62

On which layer does IP source guard provide filtering to prevent a malicious host from impersonating the IP address of a legitimate host?

- A. Layer 2
- B. Layer 3
- C. Layer 1
- D. Layer 7

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

Which feature rate-limits DHCP traffic?

- A. DHCP Request
- B. DHCP Spoofing
- C. DHCP Snooping
- D. DHCP Acknowledge

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

Which command does a network engineer use to verify the spanning-tree status for VLAN 10?

- A. switch# show spanning-tree bridge
- B. switch# show spanning-tree vlan 10 brief
- C. switch# show spanning-tree summary
- D. switch# show spanning-tree vlan 10
- E. switch# show spanning-tree brief

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

What is the maximum number of 10 Gigabit Ethernet connections that can be utilized in an EtherChannel for the virtual switch link?

- A. 12
- B. 4
- C. 6
- D. 8

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

Which AAA Authorization type includes PPP, SLIP, and ARAP connections?

- A. auth-proxy
- B. EXEC
- C. IP mobile
- D. network

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 67

DRAG DROP

Drag the appropriate from left to right on description.

The interface shows a list of modes on the left and two target categories on the right. The left list contains: mode desirable, mode active, mode auto, and mode passive. The right categories are LACP and PAGP, each with a large empty box for dropping items. A Cisco logo is visible in the bottom right corner.

Answer:

The interface shows the same list of modes on the left and target categories on the right. The modes are now distributed: mode desirable, mode active, and mode passive are in the LACP box; mode auto and mode desirable are in the PAGP box. Dashed lines indicate the original positions of the modes.

NEW QUESTION: 68

Which authentication service is needed to configure 802.1x?

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

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 69

If a network engineer applies the command `mac-address-table notification mac-move` on a Cisco switch port, when is a syslog message generated?

- A. More than 64 MAC addresses are added to the content-addressable memory.
- B. A new MAC address is removed from the content-addressable memory.
- C. A MAC address or host moves between different switch ports.
- D. A new MAC address is added to the content-addressable memory.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

What SPAN configuration is required to enable on a switch?

- A. Configure a source and destination port
- B. Disable VTP pruning on trunk links
- C. NA
- D. A monitor VLAN is created for the SPAN traffic.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 71

A network engineer is trying to deploy a PC on a network. The engineer observes that when the PC is connected to the network, it takes 30 to 60 seconds for the PC to see any activity on the network interface card. Which Layer 2 enhancement can be used to eliminate this delay?

- A. Configure port to duplex full and speed 1000.
- B. Configure port duplex and speed to auto negotiation.
- C. Configure no switchport.
- D. Configure spanning-tree portfast.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

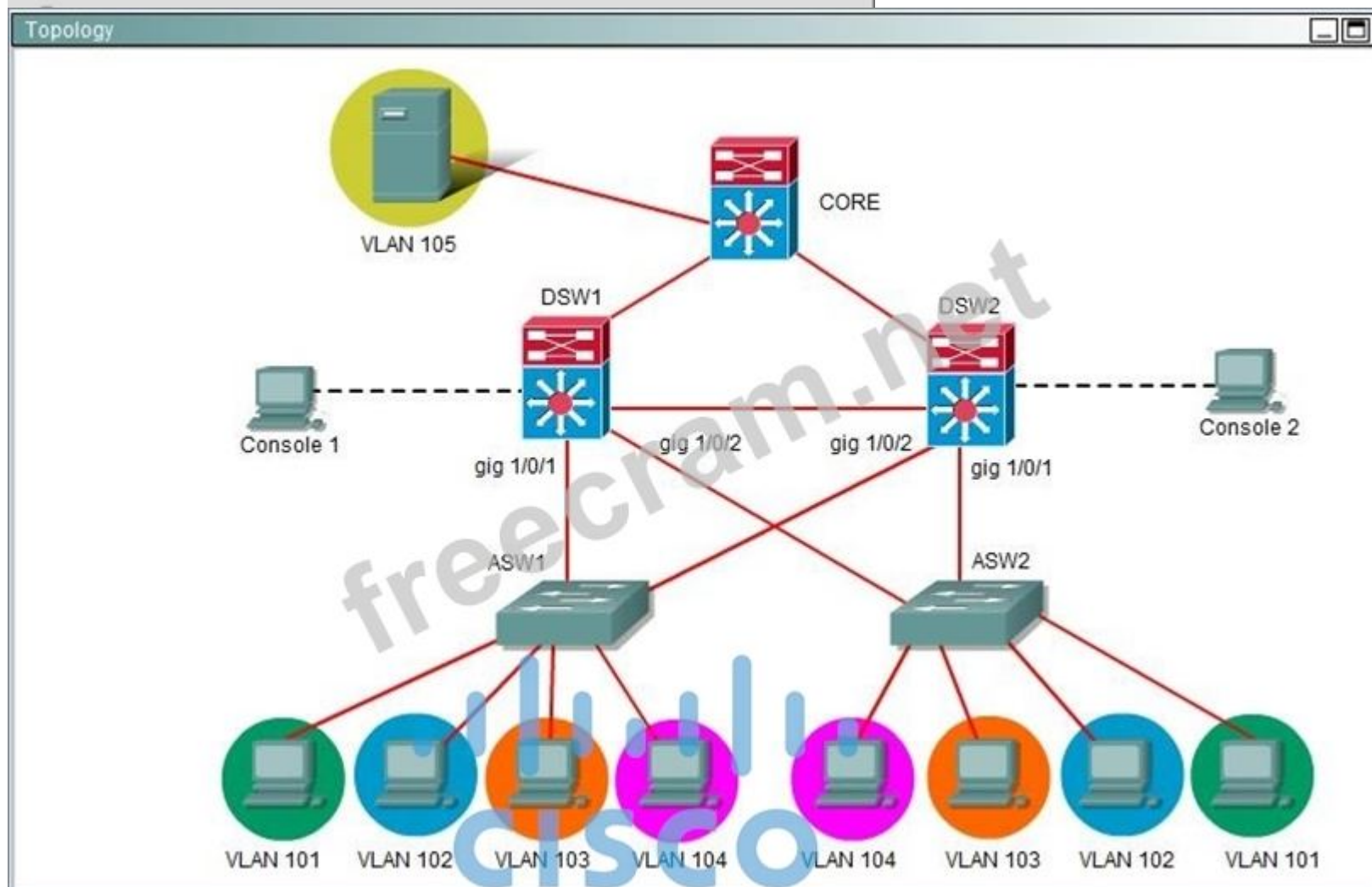
Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

* 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.





During routine maintenance, it became necessary to shut down the GigabitEthernet1/0/1 interface on DSW1. All other interfaces were up. During this time, DSW1 remained the active device for the VLAN 102 HSRP group. You have determined that there is an issue with the decrement value in the track command for the VLAN 102 HSRP group. What needs to be done to make the group function properly?

- A. The decrement value on DSW1 should be greaterthan 5 and less than 15. 0
- B. The decrement value on DSW1 should be greaterthan 9 and less than 15.
- C. The decrement value on DSW1 should be greaterthan 11 and less than 19.
- D. The decrement value on DSWTs should be greaterthan 190 and less than 200.
- E. The decrement value on DSWTs should be greaterthan 195 and less than 205.

Answer: ([SHOW ANSWER](#))

Explanation: The question clearly stated that there was an issue with the decrement value in VLAN 102 so we should check VLAN 102 on both DSW1 and DSW2 switches first. Click on the PC Console1 and PC Console2 to access these switches then use the "show running-config" command on both switches

```
DSW1>enable DSW1#show running-config
```

```
DSW2>enable
```

```
DSW2#show running-config
```



```
DSW1#show running-config
<output omitted>

interface Vlan102
  ip address 192.168.102.1 255.255.255.0
  standby 2 ip 192.168.102.254
  standby 2 priority 200
  standby 2 preempt
  standby 2 track GigabitEthernet1/0/1 5
!
```

```
DSW2#show running-config
<output omitted>

interface Vlan102
  ip address 192.168.102.2 255.255.255.0
  standby 2 ip 192.168.102.254
  standby 2 priority 190
  standby 2 preempt
  standby 2 track GigabitEthernet1/0/1
!
```

As shown in the outputs, the DSW1's priority is 200 and is higher than that of DSW2 so DSW1 becomes active switch for the group. Notice that the interface Gig1/0/1 on DSW1 is being tracked so when this interface goes down, HSRP automatically reduces the router's priority by a configurable amount, in this case 5. Therefore the priority of DSW1 goes down from 200 to 195. But this value is still higher than that of DSW2 (190) so DSW1 remains the active switch for the group. To make DSW2 take over this role, we have to configure DSW1's decrement value with a value equal or greater than 11 so that its result is smaller than that of DSW2 ($200 - 11 < 190$). Therefore C is the correct answer.

NEW QUESTION: 73

Which statement describes what happens if all VSL connections between the virtual switch members are lost?

- A. The virtual switch members reload.
- B. The VSS transitions to the dual active recovery mode, and only the new active virtual switch continues to forward traffic.
- C. The VSS transitions to the dual active recovery mode, and both virtual switch members continue to forward traffic independently.

D. Both virtual switch members cease to forward traffic.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

Which HSRP extension allows groups to share traffic loads?

- A. CGMP
- B. GLBP
- C. MHSRP
- D. FHRP
- E. CHSRP

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 75

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 76

When a private VLAN is configured, which mode must be configured as a router facing port?

- A. host
- B. isolated
- C. community
- D. promiscuous

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 77

What is the benefit of UDLD?

- A. help in preventing loops
- B. provides backup for fiber
- C. removes loops

D. determines switch path

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 78

Which database is used to determine the validity of an ARP packet based on a valid IP-to- MAC address binding?

- A. dynamic ARP database
- B. static ARP database
- C. DHCP snooping database
- D. dynamic routing database

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 79

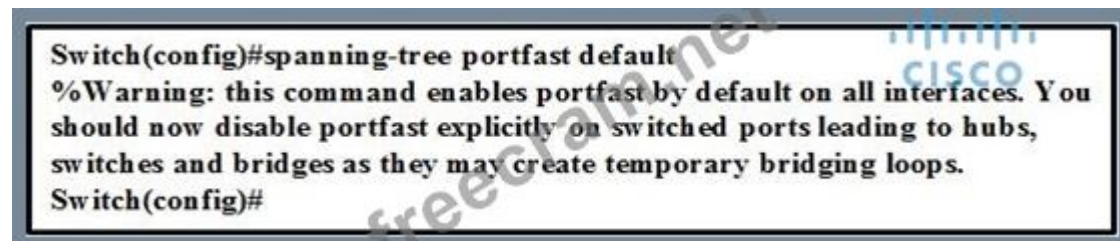
Which statement about the default behavior of a Cisco switch MAC address table is true?

- A. MAC address filtering is enabled on trunk ports.
- B. MAC addresses are not learned on extended VLANs.
- C. MAC addresses are aged out of the MAC table after 600 seconds.
- D. MAC addresses are associated with a VLAN.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

Refer to the exhibit.



When troubleshooting a network problem, a network analyzer is connected to Port f0/1 of a LAN switch. Which command can prevent BPDU transmission on this port?

- A. spanning-tree bpduguard default
- B. spanning-tree portfast bpduguard enable
- C. no spanning-tree link-type shared
- D. spanning-tree portfast bpdufilter default

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 81

Which First Hop Redundancy Protocol is an IEEE Standard?

- A. GLBP
- B. OSPF
- C. VRRP
- D. HSRP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

Which three design types of capable Ethernet LANs does HSRP support? (Choose three.)

- A.** Token Ring
- B.** Multicaccess
- C.** Multicast
- D.** FDDI
- E.** Unicast
- F.** Broadcast

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 83

Routers R1 and R2 are configured for HSRP as shown below:

Router R1:

```
interface ethernet 0
ip address 20.6.2.1 255.255.255.0
standby 35 ip 20.6.2.21
standby 35 priority 100
interface ethernet 1
ip address 20.6.1.1.2 255.255.255.0
standby 34 ip 20.6.1.21
```

Router R2:

```
interface ethernet 0
ip address 20.6.2.2 255.255.255.0
standby 35 ip 20.6.2.21
interface ethernet 1
ip address 20.6.1.1.1 255.255.255.0
standby 34 ip 20.6.1.21
standby 34 priority 100
```

You have configured the routers R1 & R2 with HSRP. While debugging router R2 you notice very frequent HSRP group state transitions. What is the most likely cause of this?

- A.** use of non-default HSRP timers
- B.** physical layer issues
- C.** failure to set the command standby 35 preempt
- D.** no spanning tree loops

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

Refer to the exhibit.

Missing Exhibit

Which statement describes the result if a switch that is running PVST+ is added to this network?

- A. Spanning tree continues to operate in Rapid PVST+ on DSW2 and the new switch operates in PVST+
- B. Both switches operate in the Rapid PVST+ mode
- C. Both switches operate in the PVST+ mode
- D. Spanning tree is disabled automatically on the network

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 85

Which feature places a port in an err-disabled state when it receives an unanticipated BPDU?

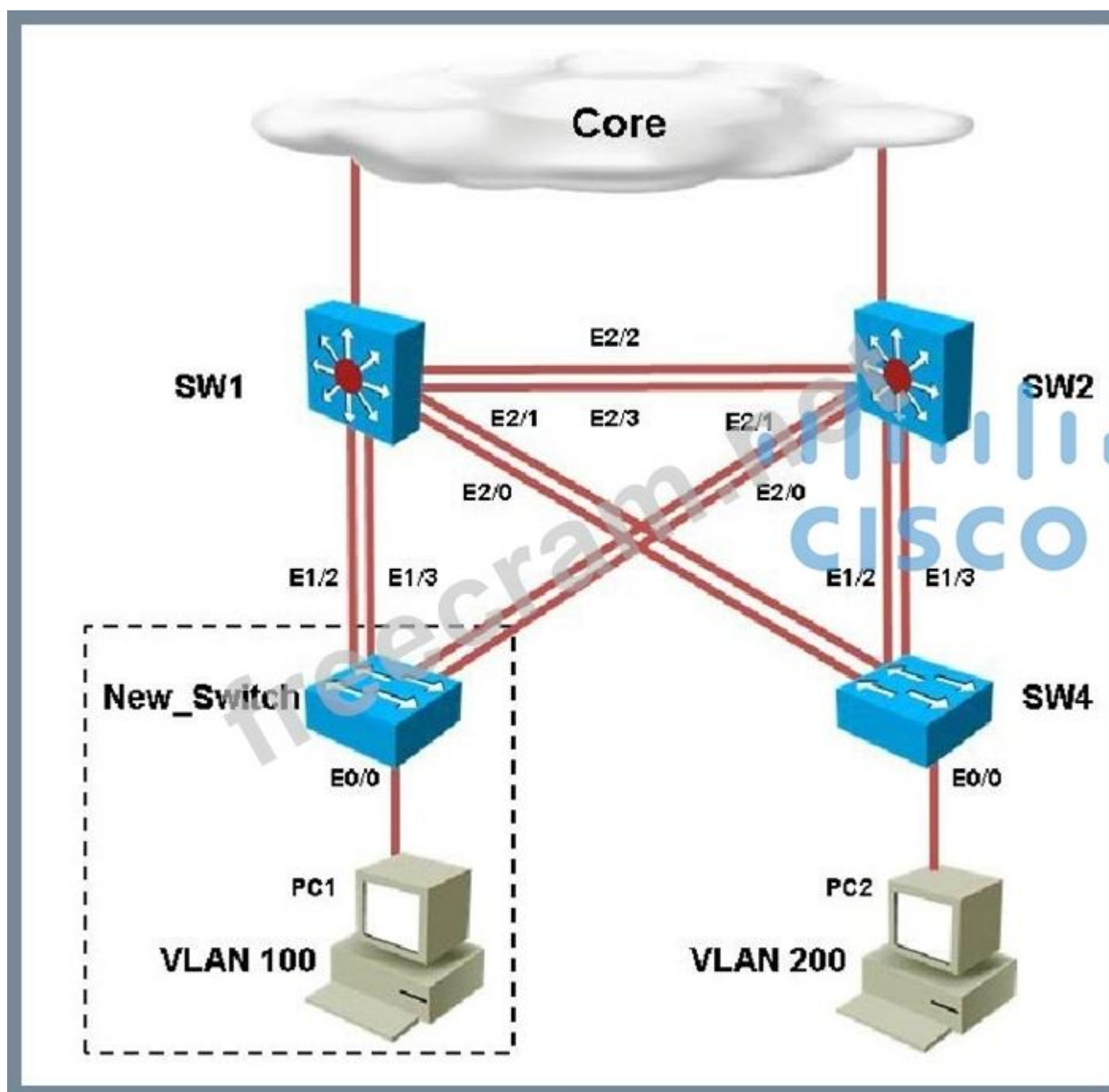
- A. root guard
- B. BPDU filtering
- C. loop guard
- D. BPOU guard

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

You have been asked to install and configure a new switch in a customer network. Use the console access to the existing and new switches to configure and verify correct device configuration.





ew_Switch



freecram.net

er_Switch#
SW2



freecram.net

SW2#



Examine the VTP configuration. You are required to configure private VLANs for a new server deployment connecting to the SW4 switch. Which of the following configuration steps will allow creating private VLANs?

- A. Disable VTP pruning on SW1 only
- B. Disable VTP pruning on SW2 only
- C. Disable VTP pruning on SW4 only
- D. Disable VTP pruning on SW2, SW4 and New_Switch
- E. Disable VTP pruning on New_Switch and SW4 only.

Answer: ([SHOW ANSWER](#))

To create private VLANs, you will need to only disable pruning on the switch that contains the private VLANs. In this case, only SW4 will connect to servers in a private VLAN.

NEW QUESTION: 87

Which switchport feature will block the packet with unknown MAC address from sending it via port.

- A. switchport protect
- B. switchport portfast
- C. packet with unknown MAC will be dropped
- D. switchport block unicast

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 88

Refer to the exhibit.

```
R2#show standby
FastEthernet1/0 - Group 40
  State is Standby
    4 state changes, last state change 00:01:51
  Virtual IP address is 10.10.1.1
  Active virtual MAC address is 0000.0c07.ac28 (MAC Not In Use)
  Local virtual MAC address is 0000.0c07.ac28 (vl default)
  Hello time 3 sec, hold time 10 sec
  Next hello sent in 1.816 secs
  Preemption disabled
  Active router is 10.10.1.3, priority 85 (expires in 8.672 sec)
  Standby router is local
  Priority 90 (configured 90)
  Track interface FastEthernet0/0 state Up decrement 10
  Group name is "hsrp-Fal/0-40" (default)
```

Which two statement can be derived from the output of the show standby command?

(Choose two.)

- A. R2 Fai/O regains mastership when the link comes back up.
- B. R2 is using the default HSRP hello and hold timers.
- C. Router with IP 10.10 1 3 is active because it has a higher IP address.
- D. R2 becomes the active router after the hold time expires.
- E. If Fa0/0 is shut down, the HSRP priority on R2 becomes 80.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 89

Which portion of AAA looks at what a user has access to?

- A. accounting
- B. auditing
- C. authorization
- D. authentication

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 90

What percentage of bandwidth is reduced when a stack cable is broken?

- A. 100
- B. 50
- C. 75
- D. 25
- E. 0

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 91

Which two conditions must be met to establish a Layer 2 EtherChannel? (Choose two.)

- A. The trunking protocol must be the same for all links in the EtherChannel.
- B. SPAN must be disabled on the ports.
- C. All ports in the EtherChannel must be on the same module.
- D. LAN ports in the EtherChannel must be contiguous.
- E. All ports in the EtherChannel must operate in half duplex.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 92

Your manager asked you to make every port on your switch bypass the normal spanning- tree timers which includes your uplink to other switches. What two commands can you apply on the interfaces? (Choose two.)

- A. spanning-tree portfast access
- B. spanning-tree portfast default
- C. spanning-tree portfast
- D. spanning-tree portfast trunk

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 93

Which two StackWise configuration setting types are applied at the system level? (Choose two)

- A. speed/duplex settings
- B. SNMH settings
- C. VLAN settings
- D. 802.1k settings
- E. port-security settings

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 94

Which three statements are true of a default HSRP configuration? (Choose three.)

- A. The Standby hold time is 10 seconds
- B. The Standby track interface priority decrement is 10.
- C. The Standby hello time is 2 seconds.
- D. Two HSRP groups are configured.
- E. The Standby delay is 3 seconds.
- F. The Standby priority is 100.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 95

Interface FastEthernet0/1 is configured as a trunk interface that allows all VLANs. This command is configured globally:
monitor session 2 filter vlan 1 - 8, 39, 52

What is the result of the implemented command?

- A. All VLAN traffic is sent to the SPAN destination interface.
- B. Filtering a trunked SPAN port effectively disables SPAN operations for all VLANs.
- C. Traffic from VLANs 1 to 8, 39, and 52 is replicated to the SPAN destination port.
- D. Traffic from VLAN 4 is not sent to the SPAN destination interface.
- E. The trunk's native VLAN must be changed to something other than VLAN 1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 96

Which two statements about Cisco Discovery Protocol are true? (Choose two)

- A. It is supported on Frame Relay subinterfaces
- B. It runs on OSI Layer 1
- C. It uses a TLV to advertise the native VLAN
- D. It is not supported with SNMP
- E. It runs on OSI Layer 2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 97

Which option is the maximum frame size for an 802.1Q frame?

- A. 68 bytes
- B. 1522 bytes
- C. 64 bytes
- D. 1518 bytes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 98

Refer to the exhibit.

```
SW-1#sh logging
%SPANTREE-SP-2-RECV_PVID_ERR: Received BPDU with inconsistent peer
Vlan id 1 on GigabitEthernet11/2 VLAN2013.
%SPANTREE-SP-2-BLOCK_PVID_PEER: Blocking GigabitEthernet11/2 on
VLAN0001. Inconsistent peer vlan.
```

A multilayer switch has been configured to send and receive encapsulated and tagged frames. VLAN 2013 on the multilayer switch is configured as the native VLAN. Which option is the cause of the spanning-tree error?

- A. 802.1q trunks are on both sides, both with native VLAN mismatch.
- B. spanning-tree bpdu-filter is enabled.

- C. VLAN spanning-tree in SW-2 is configured.
- D. VLAN ID 1 should not be used for management traffic because its unsafe.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 99

Which feature describes MAC addresses that are dynamically learned or manually configured, stored in the address table, and added to the running configuration?

- A. sticky
- B. static
- C. dynamic
- D. secure

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 100

Which statement is true when one of its virtual gateway redundancy with an AVF has failed?

- A. If an AVF has failed, one of the secondary virtual forwarders in the listen state assumes responsibility for the virtual MAC address.
- B. If an AVF has failed, one of the secondary virtual forwarders in the listen state will also fail.
- C. If an AVF has failed, one of the primary virtual forwarders in the listen state assumes responsibility for the virtual MAC address.
- D. If an AVF has failed, one of the primary virtual forwarders in the listen state will also fail.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 101

Refer to the exhibit.



```

DSW1#show spanning-tree mst 1
Spanning tree enabled protocol mstp
Root:    Priority      32768
         Address      001b.7363.4300
         Cost         2
         Port         13 (FastEthernet1/0/11)
         Hello Time    2 sec  Max Age 20 sec  Forward Delay 15 sec
Bridge ID: Priority      32768 (priority 32768 sys-id-ext 1)
         Address      001b.048e.e080
         Hello Time    2 sec  Max Age 20 sec  Forward Delay 15 sec

Interface Role Sts Cost Prio Max Age
-----
Fa1/0/7   Desg FWD 2    128.13 P2p Bound (PVST)
Fa1/0/10   Desg FWD 2    128.13 P2p Bound (PVST)
Fa1/0/11   Desg FWD 2    128.13 P2p Bound (PVST)
Fa1/0/12   Desg FWD 2    128.14 P2p

DSW1#sh spanning-tree mst
##### MST1    vlans mapped: 10,20
Bridge address 001b.048e.e080 priority 32768 (32768 sysid 1)
Root address 001b.7363.4300 priority 32768 (32768 sysid 1)
port Fa1/0/11 cost 2 run hops 18

... output omitted

```

Which two commands ensure that DSW1 becomes root bridge for VLAN 10 and 20?

(Choose two.)

- A. spanning-tree mstp vlan 10,20 root primary
- B. spanning-tree mst 1 root primary
- C. spanning-tree mst 1 priority 4096
- D. spanning-tree mstp 1 priority 0
- E. spanning-tree mst 1 priority 1

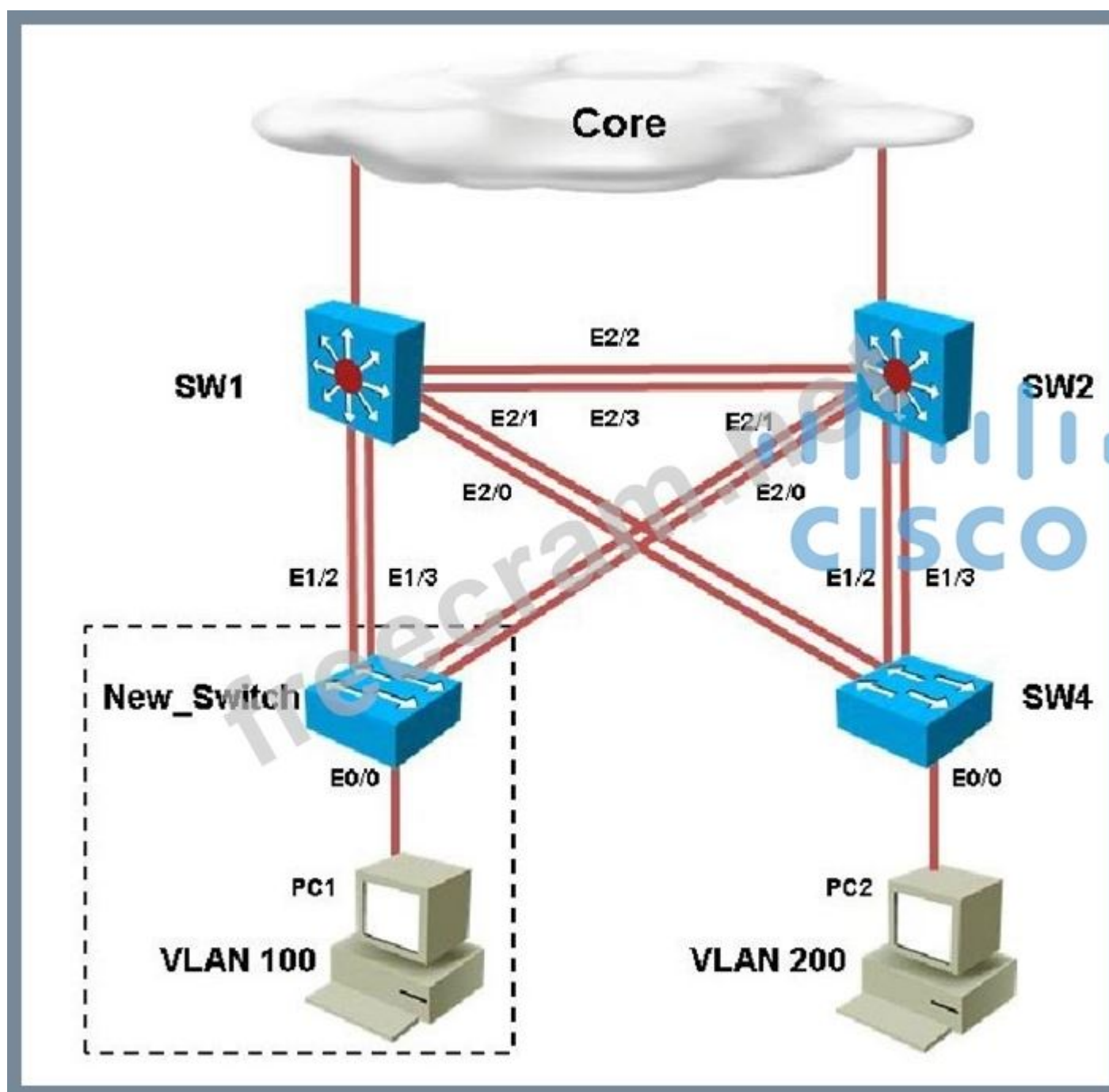
F. spanning-tree mst vlan 10,20 priority root

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 102

You have been asked to install and configure a new switch in a customer network. Use the console access to the existing and new switches to configure and verify correct device configuration.





ew_Switch



freecram.net

er_Switch#
SW2



freecram.net

SW2#



You are adding new VLANs. VLAN500 and VLAN600 to the topology in such way that you need to configure SW1 as primary root for VLAN 500 and secondary for VLAN 600 and SW2 as primary root for VLAN 600 and secondary for VLAN 500. Which configuration step is valid?

- A. Configure VLAN 500 & VLAN 600 on both SW1 & SW2
- B. Configure VLAN 500 and VLAN 600 on SW1 only
- C. Configure VLAN 500 and VLAN 600 on SW2 only
- D. Configure VLAN 500 and VLAN 600 on SW1 ,SW2 and SW4
- E. On SW2; configure vtp mode as off and configure VLAN 500 and VLAN 600; configure back to vtp server mode.

Answer: ([SHOW ANSWER](#))

By issuing the "show vtp status command on SW2, SW2, and SW4 we see that both SW1 and SW2 are operating in VTP server mode, but SW4 is a client, so we will need to add both VLANs to SW1 and SW2.

SW4

```
SW4#show vtp status
```

```
VTP Version capable      : 1 to 3
VTP version running      : 3
VTP Domain Name          : CCNP
VTP Pruning Mode          : Enabled
VTP Traps Generation     : Disabled
Device ID                : aabb.cc00.2800
```

```
Feature VLAN:
```

```
-----
```

```
VTP Operating Mode       : Client
Number of existing VLANs : 8
Number of existing extended VLANs : 0
Maximum VLANs supported locally : 4096
Configuration Revision   : 11
Primary ID               : aabb.cc00.2b00
Primary Description      : SW1
MD5 digest               : 0xA2 0xFA 0x6E 0x8D 0xD0 0xDE 0x5A 0xEF
                        : 0xE3 0x65 0x9A 0xF7 0x03 0xBF 0xBA 0x10
```

SW2

```
SW2#show vtp status
VTP Version capable      : 1 to 3
VTP version running      : 3
VTP Domain Name          : CCNP
VTP Pruning Mode         : Enabled
VTP Traps Generation     : Disabled
Device ID                 : aabb.cc00.2600

Feature VLAN:
-----
VTP Operating Mode       : Server
Number of existing VLANs : 8
Number of existing extended VLANs : 0
Maximum VLANs supported locally : 4096
Configuration Revision   : 11
Primary ID               : aabb.cc00.2b00
Primary Description      : SW1
MD5 digest               : 0xA2 0xFA 0x6E 0x8D 0xD0 0xDE 0x5A 0xEF
                        : 0xE3 0x65 0x9A 0xF7 0x03 0xBF 0xBA 0x10
```

```

W1#show vtp status
VTP Version capable          : 1 to 3
VTP version running         : 3
VTP Domain Name              : CCNP
VTP Pruning Mode             : Enabled
VTP Traps Generation         : Disabled
Device ID                    : aabb.cc00.2500

Feature VLAN:
-----
VTP Operating Mode           : Server
Number of existing VLANs     : 8
Number of existing extended VLANs : 0
Maximum VLANs supported locally : 4096
Configuration Revision       : 11
Primary ID                    : aabb.cc00.2b00
Primary Description           : SW1
MD5 digest                   : 0xA2 0xFA 0x6E 0x8D 0xD0 0xDE 0x5A 0xEF
                              0xE3 0x65 0x9A 0xF7 0x03 0xBF 0xBA 0x10

```

NEW QUESTION: 103

DRAG DROP

Drag the description from the left to add on appropriate section of Port Cost / Switch Port Priority / Port Priority

multiple of 4096

8 default is being the interface value

lower the better

multiple of 16

range 1 - 200k (200,000)

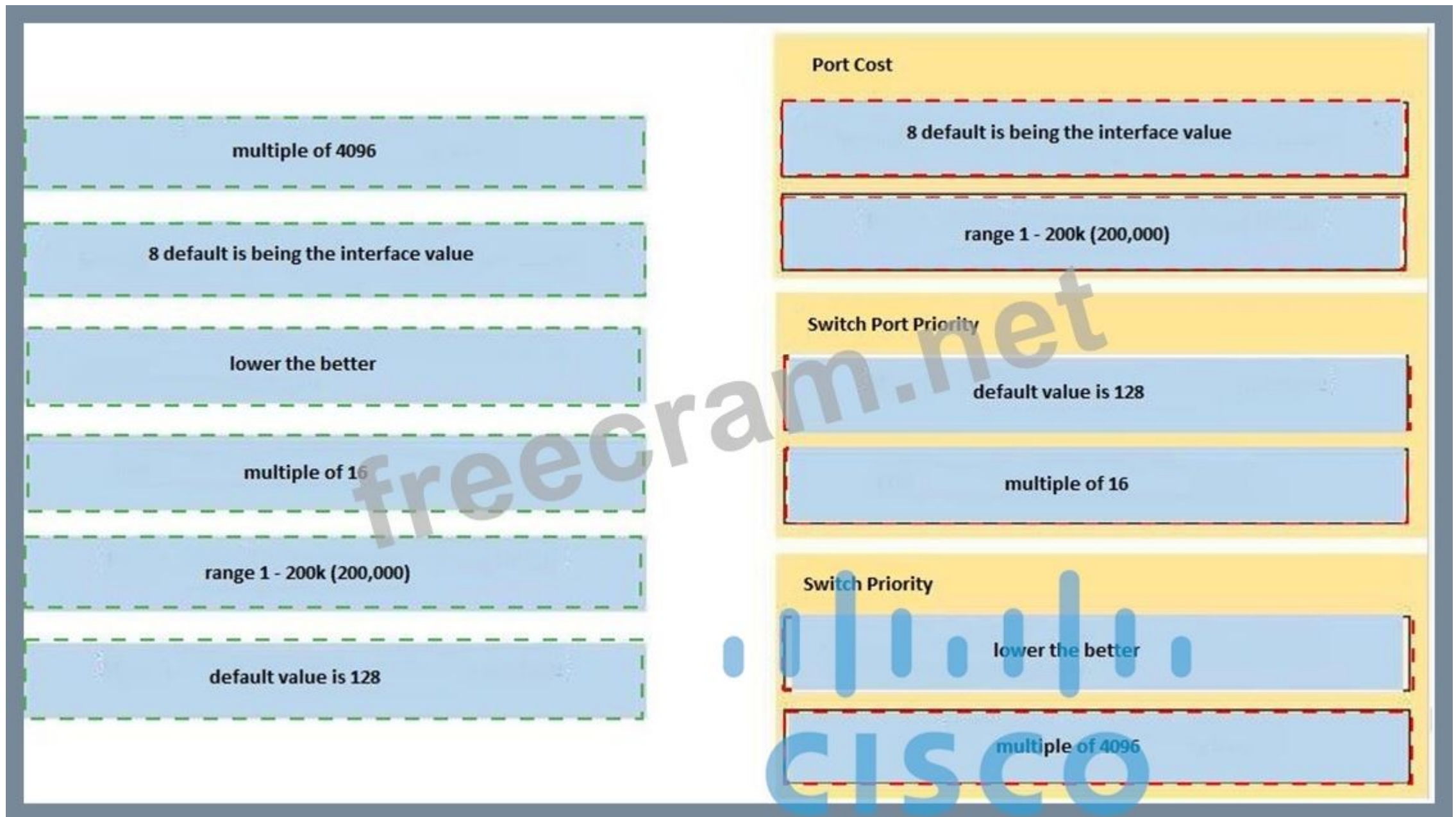
default value is 128

Port Cost

Switch Port Priority

Switch Priority

Answer:



NEW QUESTION: 104

Which two statements about GLBP are true? (Choose two.)

- A. The AVG responds to ARP requests for the virtual IP address.
- B. The LAN client traffic is handled by the active AVF only.
- C. The AVF assigns virtual MAC addresses to GLBP group members.
- D. The AVG assigns virtual MAC addresses to GLBP group members.
- E. The AVF responds to ARP request for the virtual IP address.

Answer: ([SHOW ANSWER](#))

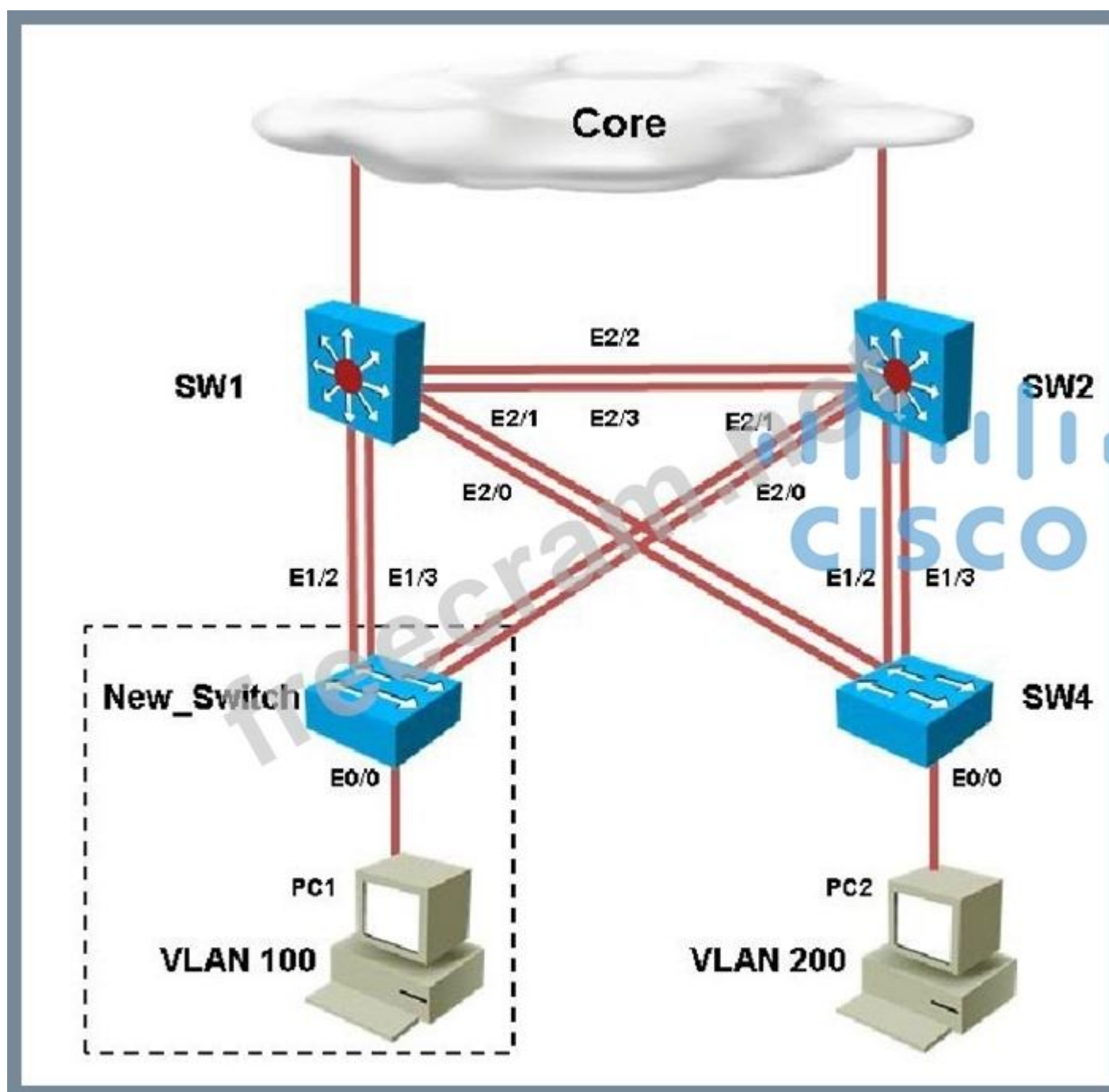
NEW QUESTION: 105

You have been asked to install and configure a new switch in a customer network. Use the console access to the existing and new switches to configure and verify correct device configuration.

SW1



SW1#



ew_Switch



freecram.net

er_Switch#
SW2



freecram.net

SW2#



You are connecting the New_Switch to the LAN topology; the switch has been partially configured and you need to complete the rest of configuration to enable PC1 communication with PC2. Which of the configuration is correct?

- ☐ vtp domain CCNP_TEST
vtp password cisco123
vtp version 3
vtp mode server
int e0/0
switchport mode access
switchport access vlan 100
- ☐ vtp domain CCNP_TEST
vtp password cisco123
vtp version 3
vtp mode client
int e0/0
switchport mode access
switchport access vlan 200
- ☐ vtp domain CCNP_TEST
vtp password cisco123
vtp version 2
vtp mode client
int e0/0
switchport mode access
switchport access vlan 100
- ☐ vtp domain CCNP
vtp password cisco
vtp version 3
vtp mode client
int e0/0
switchport mode access
switchport access vlan 100
- ☐ vtp domain CCNP
vtp password cisco
vtp version 2
vtp mode transparent
int e0/0
switchport mode access
switchport access vlan 200

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: ([SHOW ANSWER](#))

Within any VTP, the VTP domain name must match. So, step one is to find the correct VTP name on the other switches. Logging in to SW1 and using the "show vtp status" command we see this:

SW1

```
SW1#show vtp status
VTP Version capable      : 1 to 3
VTP version running      : 3
VTP Domain Name          : CCNP
VTP Pruning Mode         : Enabled
VTP Traps Generation     : Disabled
Device ID                 : aabb.cc00.2500

Feature VLAN:
-----
VTP Operating Mode       : Server
Number of existing VLANs : 8
Number of existing extended VLANs : 0
Maximum VLANs supported locally : 4096
Configuration Revision   : 11
Primary ID               : aabb.cc00.2b00
Primary Description      : SW1
MD5 digest               : 0xA2 0xFA 0x6E 0x8D 0xD0 0xDE 0x5A 0xEF
                        : 0xE3 0x65 0x9A 0xF7 0x03 0xBF 0xBA 0x10
```

So we know that the VTP domain must be CCNP. This leaves only choice D and E.

We also see from the topology diagram that eth 0/0 of the new switch connects to a PC in VLNA 100, so we know that this port must be an access port in VLAN 100, leaving only choice D as correct. Note that the VTP versions supported in this network are 1, 2, 3 so either VTP version 2 or 3 can be configured on the new switch.

NEW QUESTION: 106

What two things occur when an RSTP edge port receives a BPDU? (Choose two.)

- A. The switch generates a Topology Change Notification BPDU.
- B. The port immediately transitions to the err-disable state.
- C. The port immediately transitions to the forwarding state.
- D. The port becomes a normal STP switch port.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 107

A network engineer is trying to prevent users from connecting unauthorized equipment to a production network. Which option can be campus-wide to satisfy this requirement?

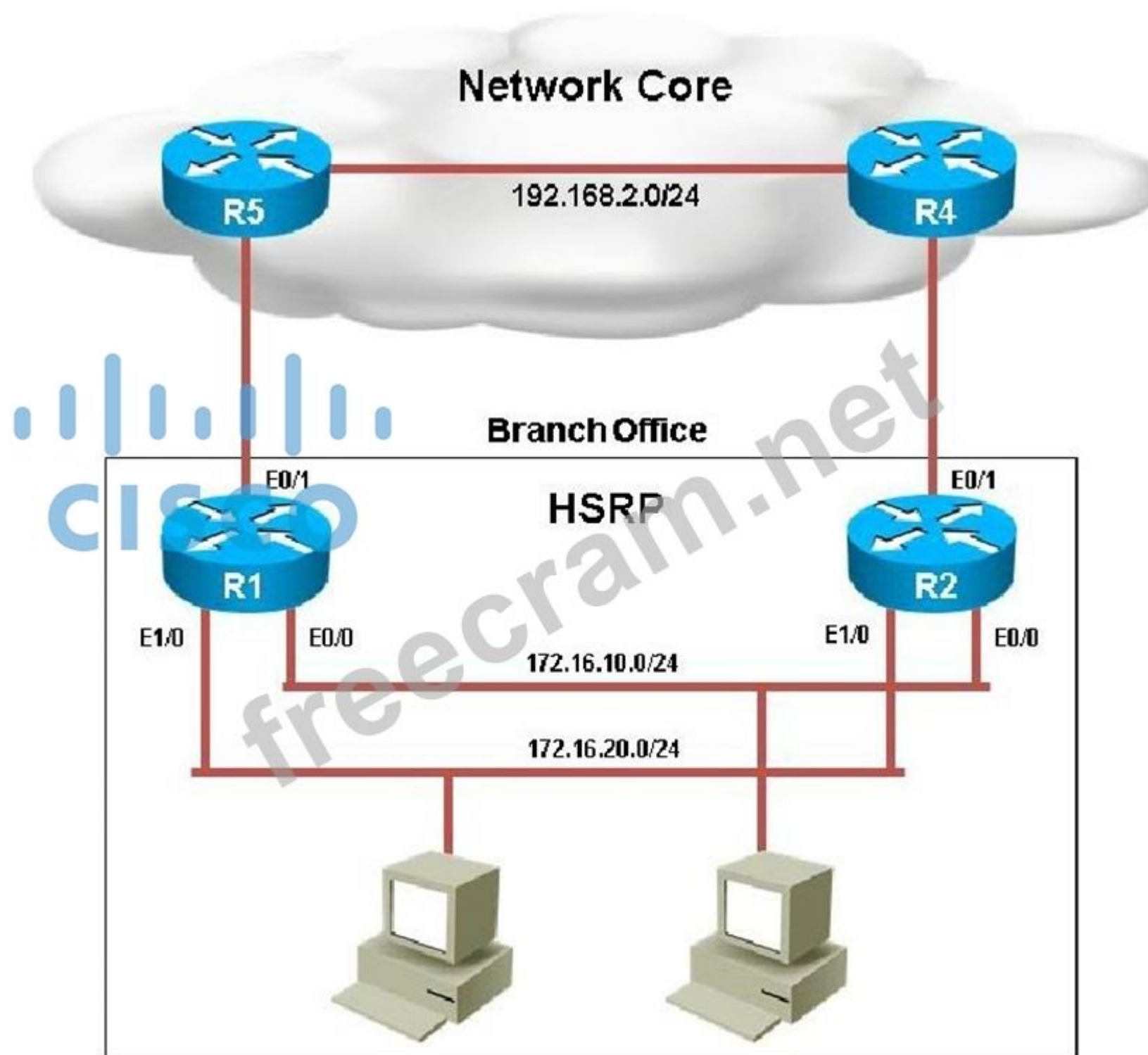
- A. switch port block
- B. BPDU Guard
- C. private VLAs
- D. Uplink fast
- E. IP Source Guard

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 108

Your customer has asked you to come in and verify the operation of routers R1 and R2 which are configured to use HSRP. They have questions about how these two devices will perform in the event of a device failure.







Refer to the exhibit. If router R1 interface Ethernet0/0 goes down and recovers, which of the statement regarding HSRP priority is true?

- A. The interface will have its current priority incremented by 60 for HSRP group 1
- B. The interface will default to the a priority of 100 for HSRP group 1
- C. The interface will have its current priority incremented by 40 for HSRP group 1
- D. The interface will have the priority decremented by 40 for HSRP group 1.
- E. The interface will have the priority decremented by 60 for HSRP group 1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 109

Refer to the exhibit.

```
username cisco password cisco
!
aaa new-model
radius-server host 10.1.1.50 auth-port 1812 key Cisc0123
aaa authentication login default group radius local line
aaa authentication logging NO_AUTH none
!
line vty 0 15
login authentication default
password linepass
line console 0
login authentication NO_AUTH
```

When a network administrator is attempting an SSH connection to the device, in which order does the device check the login credentials?

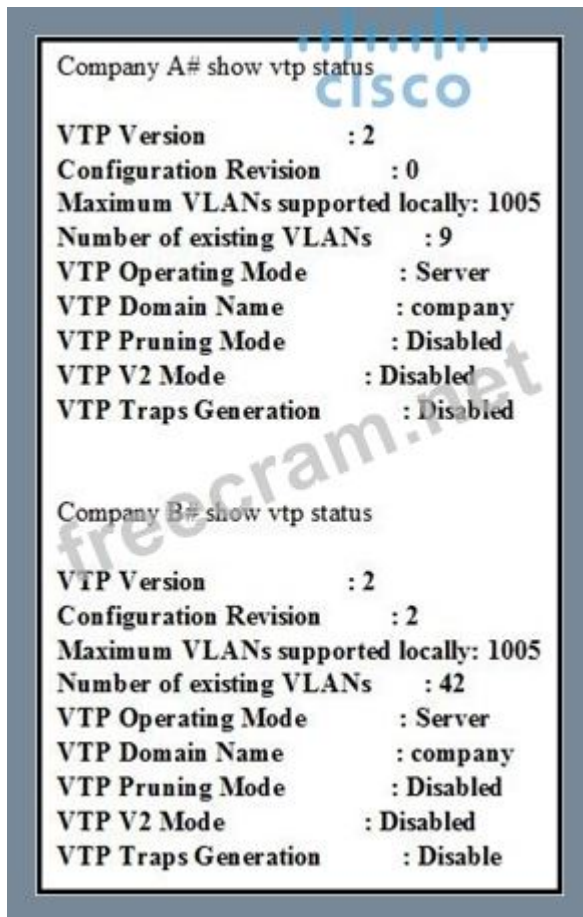
- A. Line password, local username, RADIUS server

- B. Line password, RADIUS server, local username
- C. RADIUS server, local username, line password
- D. RADIUS server, line password, local username

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 110

Refer to the exhibit.



The network switches for two companies have been connected and manually configured for the required VLANs, but users in company A are not able to access network resources in company B when DTP is enabled. Which action resolves this problem?

- A. Delete vlan.dat and ensure that the switch with lowest MAC address is the VTP server.
- B. Manually force trunking with switchport mode trunk on both switches.
- C. Disable DTP and document the VTP domain mismatch.
- D. Enable the company B switch with the vtp mode server command.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 111

After you connected a host to switch port GO/1, the port error disabled. Which command can you enter to determine the reason?

- A. Show run interface g0/1
- B. show log
- C. show ip interface brief
- D. show interfaces g0/1 status

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 112

Which statement describes what happens when a port configured with root guard receives a superior BPDU?

- A. The port goes into BPDU-inconsistent state and stops forwarding traffic.
- B. The port goes into root-inconsistent state and stops forwarding traffic.
- C. The port goes into loop-inconsistent state and stops forwarding traffic.
- D. The port goes into errdisabled state and stops forwarding traffic.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 113

Which statement about the UDLD protocol is true?

- A. UDLD is a standardized Layer 2 protocol that enables devices to advertise their identity, capabilities, and neighbors on a local area network.
- B. UDLD is a Cisco-proprietary Layer 2 protocol that enables devices to advertise their identity, capabilities, and neighbors on a local area network.
- C. UDLD is a standardized Layer 2 protocol that enables devices to monitor the physical status of links and detect unidirectional failures.
- D. UDLD is a Cisco-proprietary Layer 2 protocol that enables devices to monitor the physical status of links and detect unidirectional failures.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 114

Which command globally enables AAA on a device?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 115

Which command is needed to enable DHCP snooping if a switchport is connected to a DHCP server?

- A. ip dhcp trust
- B. ip dhcp snooping
- C. ip dhcp snooping information
- D. ip dhcp snooping trust

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 116

By default, what is the state of port security on a switch?

- A. disabled
- B. on
- C. off
- D. learning

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 117

Which statement about HSRP, GLBP, and VRRP is true?

- A. GLBP uses UDP port 3222 (source and destination) for hello messages.
- B. MAC address 0000.0c07.ac0c indicates that default gateway redundancy is provided through GLBP.
- C. HSRP group members communicate using multicast address 224.0.0.18.
- D. VRRP group members communicate using multicast address 224.0.0.102.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 118

Which two protocols can be automatically negotiated between switches for trunking?

(Choose two.)

- A. ISL
- B. PPP
- C. DLCI
- D. DTP
- E. DOT1Q
- F. HDLC

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 119

What is the default port security violation.

- A. no change
- B. shutdown
- C. error-disable
- D. log

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 120

After UDLD is implemented, a Network Administrator noticed that one port stops receiving UDLD packets. This port continues to reestablish until after eight failed retries. The port then transitions into the errdisable state. Which option describes what causes the port to go into the errdisable state?

- A. Normal UDLD operations that prevent traffic loops.
- B. UDLD is enabled globally.
- C. UDLD timers are inconsistent.
- D. UDLD port is configured in aggressive mode.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 121

For which reason does an administrator disable MAC address learning within a VLAN?

- A. to reduce flooding in the network
- B. to implement port security

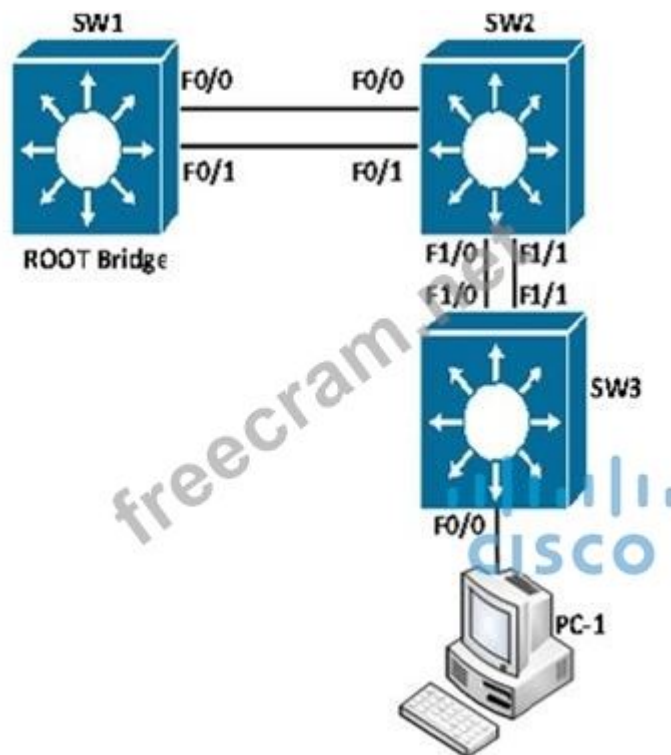
- C. to free up space in the MAG address table
- D. to configure a VLAN as an SVI

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 122

Refer to the exhibit.



f1/0 and f1/1 have the same end-to-end path cost to the designated bridge. Which action is needed to modify the Layer 2 spanning-tree network so that traffic for PC1 VLAN from switch SW3 uses switchport f1/1 as a primary port?

- A. Modify the spanning-tree port-priority on SW1 f1/1 to 0 and f1/0 to 16.
- B. Modify the spanning-tree port-priority on SW2 f1/1 to 16 and f1/0 to 0.
- C. Modify the spanning-tree port-priority on SW1 f1/1 to 16 and f1/0 to 0.
- D. Modify the spanning-tree port-priority on SW2 f1/1 to 0 and f1/0 to 16.

Answer: ([SHOW ANSWER](#))

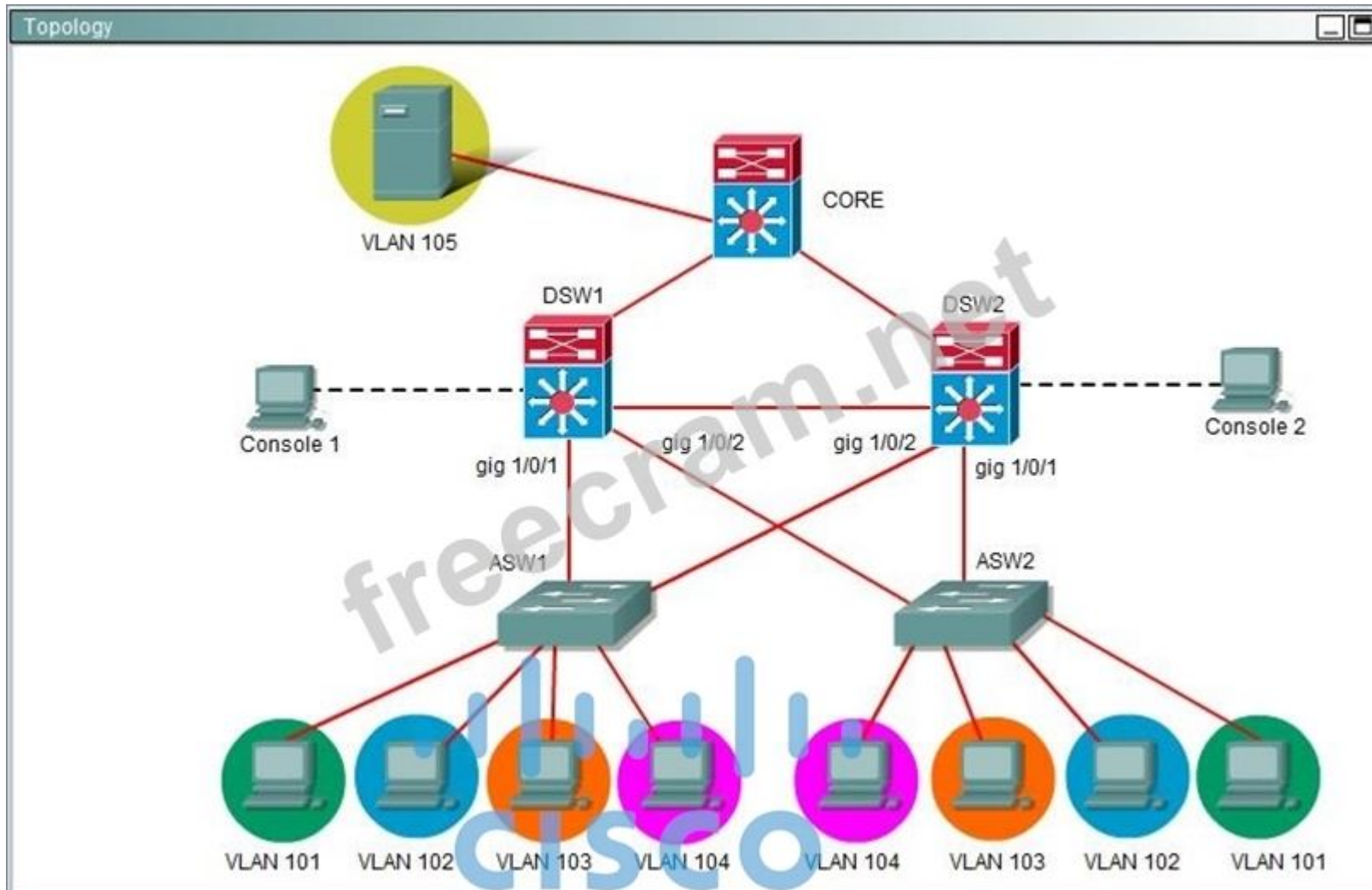
NEW QUESTION: 123

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.





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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 124

Which configuration command ties the router hot standby priority to the availability of its interfaces?

- A. backup interface
- B. standby group
- C. standby priority
- D. standby track

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 125

Which option is a benefit of using VSS?

- A. simplifies configuration
- B. reduces cost
- C. removes the need for a First Hop Redundancy Protocol
- D. provides two independent supervisors with two different control planes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 126

Which two operational attributes can be checked for EtherChannel ports that are in err- disabled state? (Choose two.)

- A. DTP
- B. VLAN
- C. Duplex
- D. Port cost
- E. Port mode

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 127

After UDLD is implemented, a Network Administrator noticed that one port stops receiving UDLD packets. This port continues to reestablish until after eight failed retries. The port then transitions into the errdisable state. Which option describes what causes the port to go into the errdisable state?

- A. Normal UDLD operations that prevent traffic loops.
- B. UDLD timers are inconsistent.
- C. UDLD port is configured in aggressive mode.
- D. UDLD is enabled globally.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 128

What is the default HSRP priority?

- A. 1024
- B. 50
- C. 100
- D. 120

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 129

Refer to the exhibit.

```
monitor session 1 source interface g0/4 rx
monitor session 1 filter vlan 3
monitor session 1 destination interface g0/5
```

What is the result of the SPAN configuration on a Cisco switch?

- A. Configure a SPAN session to monitor the received traffic on interface g0/4 only for VLAN 3.
- B. Configure a SPAN session to monitor the received traffic on interface g0/4 for all VLANs except VLAN 3.
- C. Configure a SPAN session to monitor the received traffic on interface g0/5 for all VLANs except VLAN 3.
- D. Configure a SPAN session to monitor the received traffic on interface g0/5 only for VLAN 3.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 130

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. BPDUDisable
- B. BPDUIgnore
- C. BPDUGuard
- D. BPDUBlock
- E. BPDUFILTER

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 131

Refer to the exhibit. What is the result of setting GLBP weighting at 105 with lower threshold 90 and upper threshold 100 on this router?

```
Router# show glbp FastEthernet0/1 1
FastEthernet0/1 - Group 1
State is Listen
  64 state changes, last state change 00:00:54
Virtual IP address is 10.1.0.7
Hello time 50 msec, hold time 200 msec
Next hello sent in 0.030 secs
Redirect time 600 sec, forwarder time-out 14400 sec
Authentication text "authword"
Preemption enabled, min delay 0 sec
Active is 10.1.0.2, priority 105 (expires in 0.184 sec)
Standby is 10.1.0.3, priority 100 (expires in 0.176 sec)
Priority 96 (configured)
Weighting 105 (configured 105), thresholds: lower 90, upper 100
Track object 1 state Up decrement 10
Track object 2 state Up decrement 10
Load balancing: round-robin
IP redundancy name is "glbp1"
Group members:
  0004.4d83.4801 (10.0.0.0)
  0010.7b5a.fa41 (10.0.0.1)
  00d0.bbd3.bc21 (10.0.0.2) local
```

- A. Only if the state of both tracked objects goes down will this router release its status as an AVF for group 1.
- B. If the state of one tracked object goes down then this router will release its status as an AVF for group 1.
- C. This configuration is incorrect and will not have any effect on GLBP operation.
- D. Only if both tracked objects are up will this router will be available as an AVF for group 1.
- E. If both tracked objects go down and then one comes up, but the other remains down, this router will be available as an AVF for group 1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 132

Which gateway role is responsible for answering ARP requests for the virtual IP address in GLBP?

- A. active virtual gateway
- B. designated router
- C. active virtual router

D. active virtual forwarder

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 133

Which statement describes what happens when a switch enters dual active recovery mode?

- A. The switch continues to forward traffic out all links and enables spanning tree on VSL link and all other links to prevent loops.
- B. The VSS detects which system was last in active state and shuts down the other switch.
- C. All interfaces are shut down in the formerly active virtual switch member, but the new active virtual switch forwards traffic on all links.
- D. The switch shuts down and waits for the VSL link to be restored before sending traffic.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 134

An EtherChannel bundle has been established between a Cisco switch and a corporate web server. The network administrator noticed that only one of the EtherChannel links is being utilized to reach the web server. What should be done on the Cisco switch to allow for better EtherChannel utilization to the corporate web server?

- A. Enable Cisco Express Forwarding to allow for more effective traffic sharing over the EtherChannel bundle.
- B. Use link-state tracking to allow for improved load balancing of traffic upon link failure to the server.
- C. Adjust the EtherChannel load-balancing method based on destination IP addresses.
- D. Disable spanning tree on all interfaces that are participating in the EtherChannel bundle.
- E. Adjust the EtherChannel load-balancing method based on source IP addresses.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 135

Which option is a Cisco recommended KSPAN configuration practice?

- A. Use only one destination port for each RSPAN session.
- B. Define an RSPAN VLAN before configuring an RSPAN source or destination session.
- C. Use a different RSPAN VLAN for each session it configuring RSPAN on multiple switches.
- D. Assign access ports to an RSPAN VLAN like any other campus VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 136

Which two types of threshold can you configure for tracking objects? (Choose two.)

- A. weight
- B. percentage
- C. bandwidth
- D. delay
- E. MTU
- F. administrative distance 15

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 137

Refer to the exhibit.

```
SW1#show spanning-tree vlan 1
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 1
Address 001b.bbbb.dddd
This bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Bridge ID Priority 1 (priority 0 sys-id-ext 1)
Address 001b.bbbb.dddd

Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 300
```

Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/1	Desg	FWD	19	128.15	P2p
Fa0/2	Desg	FWD	19	128.16	P2p
Fa0/3	Desg	FWD	19	128.17	P2p
Fa0/4	Desg	FWD	19	128.18	P2p
Fa0/5	Desg	FWD	19	128.19	P2p
Fa0/6	Desg	FWD	19	128.19	P2p

Why would the switch be considered as a root bridge?

- A. The bridge priority is 128.19 and all ports are forwarding.
- B. The switch priority for VLAN 1 and the macro specifies "This Bridge is the root".
- C. The switch priority value is zero, it has the lowest priority value for VLAN 1.
- D. The bridge priority is 1 and all ports are forwarding.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 138

Several new switches have been added to the existing network as VTP clients. All of the new switches have been configured with the same VTP domain, password, and version.

However, VLANs are not passing from the VTP server (existing network) to the VTP clients. What must be done to fix this?

- A. Ensure that all switch interconnects are configured as trunks to allow VTP information to be transferred.
- B. Provision one of the new switches to be the VTP server and duplicate information from the existing network.
- C. Configure a different native VLAN on all new switches that are configured as VTP clients.
- D. Remove the VTP domain name from all switches with "null" and then replace it with the new domain name.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 139

Which feature is automatically enabled when a voice VLAN is configured, but not automatically disabled when a voice VLAN is removed?

- A. spanning tree
- B. portfast
- C. storm control
- D. port-security

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 140

Which two limitations of local SPAN are true? (Choose two.)

- A. The source and destination ports must reside in the same switch or switch stack.
- B. It can monitor only traffic that ingresses or egresses on the source interface or VLAN.
- C. A SPAN session can support multiple destination ports only if they are on the same VLAN.
- D. Each SPAN session supports only one source VLAN or interface.
- E. A switch can support only one local SPAN session at a time.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 141

When IP Source Guard with source IP filtering is enabled on an interface, which feature must be enabled on the access VLAN for that interface?

- A. spanning-tree portfast
- B. storm control
- C. DHCP snooping
- D. private VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 142

Refer to the exhibit.

```

DSW1#sh vtp status
VTP Version                : running VTP1 (VTP2 capable)
Configuration Revision      : 2
Maximum VLANs supported locally : 1005
Number of existing VLANs    : 7
VTP Operating Mode         : Client
VTP Domain Name            : DALLAS
VTP Pruning Mode           : Disabled
VTP V2 Mode                : Disabled
VTP Traps Generation       : Disabled
MD5 digest                  : 0xF1 0xAC 0x5E 0xCF 0xF7 0x8E 0x9E 0xD6
Configuration last modified by 10.101.101.11 at 3-1-93 23:57:30

DSW2#sh vtp status
VTP Version                : running VTP1 (VTP2 capable)
Configuration Revision      : 3
Maximum VLANs supported locally : 1005
Number of existing VLANs    : 7
VTP Operating Mode         : Server
VTP Domain Name            : DALLAS
VTP Pruning Mode           : Disabled
VTP V2 Mode                : Disabled
VTP Traps Generation       : Disabled
MD5 digest                  : 0xE5 0x4D 0xC1 0xF0 0x8F 0xF1 0x4B 0x9C
Configuration last modified by 10.101.101.11 at 3-1-93 23:50:31

DSW2#sh spanning-tree mst configuration
Name      (DALLAS)
Revision  3      Instances configured 3

Instance  Vlans mapped
-----
0         1-9,11-19,21-29,41-4094
1         10,20
2         30-40

```

DSW1 should share the same MST region with switch DSW2. Which statement is true?

- A. DSW2 uses the VTP server mode to automatically propagate the MST configuration to DSW1.
- B. DSW1 is in VTP client mode with a lower configuration revision number, therefore, it automatically inherits MST configuration from DW2.
- C. Configure DSW1 with the same region name, revision number, and VLAN-to-instance mapping as shown on DSW2.
- D. DSW1 automatically inherits MST configuration from DSW2 because they have the same domain name.
- E. Configure DSW1 with the same version number, and VLAN-to-instance mapping as shown on DSW2.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 143

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 144

What happens on a Cisco switch that runs Cisco IOS when an RSTP-configured switch receives 802.1d BPDU?

- A. 802.1d understands RSTP BPDUs because they are the same version, but when a RSTP switch receives a 802.1d BPDU, it responds with a 802.1d BPDU and eventually the two switches run 802.1d to communicate.
- B. 802.1d understands RSTP BPDUs because they are the same version, but when a RSTP switch receives a 802.1d BPDU, it does not respond with a 802.1d BPDU and eventually the two switches run 802.1d to communicate.
- C. 802.1d does not understand RSTP BPDUs because they are different versions, but when a RSTP switch receives an 802.1d BPDU, it responds with an 802.1d BPDU and eventually the two switches run 802.1d to communicate.

D. 802.1d does not understand RSTP BPDUs because they are different versions, but when a RSTP switch receives a 802.1d BPDU, it does not respond with a 802.1d BPDU.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 145

A network engineer wants to make sure that an access switch will never become a Spanning Tree root for VLAN 5. What action will accomplish this task?

- A.** adjust STP priority to the maximum value
- B.** apply root guard to all outgoing neighbor interfaces
- C.** enable MSTP and use a different revision number than all other switches
- D.** disable STP globally

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 146

If StormControl is enabled on a port and the traffic reaches the configured level, which two actions can be configured to occur? (Choose two)

- A.** Trap
- B.** notify admin
- C.** redirect traffic
- D.** shut down
- E.** log

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 147

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

- A.** server
- B.** transparent
- C.** Extended VLANs are only supported in version 3 and not in versions 1 or 2.
- D.** client

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 148

A network engineer wants to add a new switch to an existing switch stack. Which configuration must be added to the new switch before it can be added to the switch stack?

- A.** VLAN information
- B.** VTP information
- C.** IP address
- D.** No configuration must be added.
- E.** stack ID

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 149

The following command was issued on a router that is being configured as the active HSRP router.

standby ip 10.2.1.1

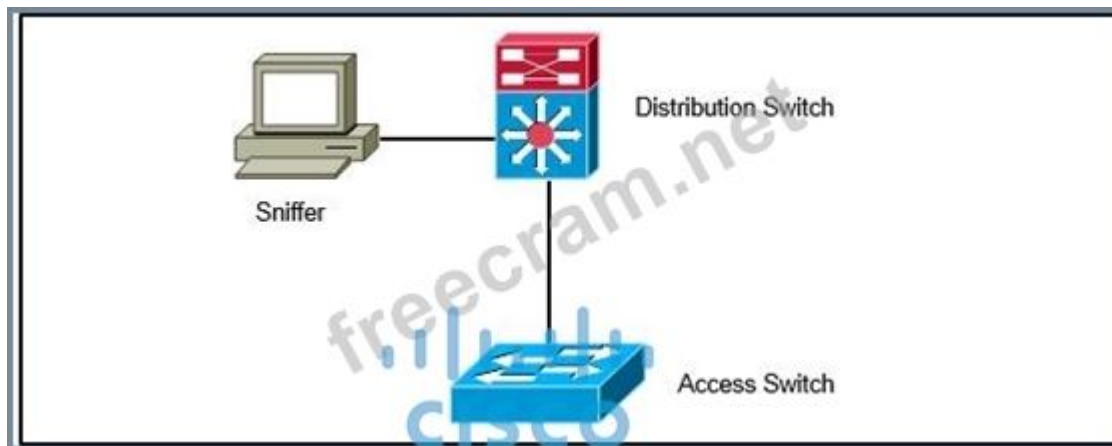
Which statement is true about this command?

- A. This command will not work because the active parameter is missing
- B. The HSRP MAC address will be 0000.070c ad01.
- C. This command will not work because the HSRP group information is missing
- D. The HSRP MAC address will be 0000 0c07 ac00
- E. The HSRP MAC address will be 0000 0c07 ac01.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 150

Refer to the exhibit.



A network engineer wants to analyze all incoming and outgoing packets for an interface that is connected to an access switch. Which three items must be configured to mirror traffic to a packet sniffer that is connected to the distribution switch? (Choose three.)

- A. A monitor session on the access switch with a physical interface source and the remote SPAN VLAN as the destination
- B. A monitor session on the distribution switch with a physical interface as the source and a physical interface as the destination
- C. A monitor session on the distribution switch with a physical interface as the source and the remote SPAN VLAN as the destination
- D. A monitor session on the access switch with a remote SPAN VLAN source and the physical interface as the destination
- E. A monitor session on the distribution switch with a remote SPAN VLAN as the source and physical interface as the destination
- F. A remote SPAN VLAN on the distribution and access layer switch

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 151

What is the function of NSF?

- A. provide automatic failover to back up supervisor in VSS mode
- B. forward traffic based on Cisco Express Forwarding
- C. provide nonstop forwarding in the event of failure of one of the member supervisors
- D. forward traffic simultaneously using both supervisors

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 152

Which option is the minimum frame size for an 802.1Q frame?

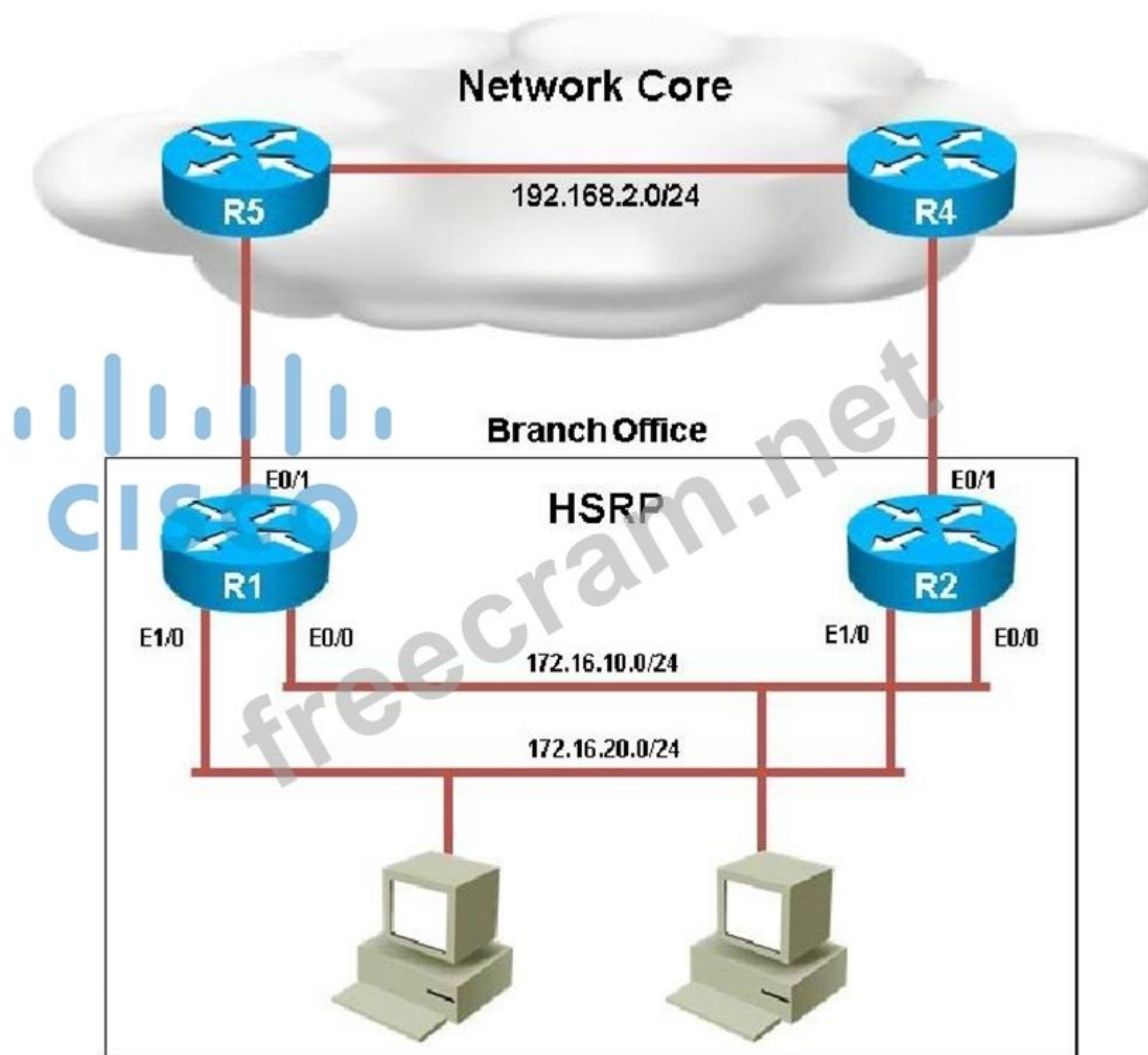
- A. 1522 bytes
- B. 1518 bytes
- C. 68 bytes
- D. 64 bytes

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 153

Your customer has asked you to come in and verify the operation of routers R1 and R2 which are configured to use HSRP. They have questions about how these two devices will perform in the event of a device failure.







What percentage of the outgoing traffic from the 172.16.10.0/24 subnet is being forwarded through R1?

- A. R1-100%
- B. R1-0%
- C. R2-100%
- D. R1-50 %, R2-50%

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 154

Which of the following HSRP router states does an active router enter when it is preempted by a higher priority router? (Select the best answer.)

- A. active
- B. listen
- C. standby
- D. speak
- E. init
- F. learn

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 155



Refer to the exhibit. Which description of the effect of entering the switch port trunk allowed vlan 2,3,4 command on Fast Ethernet 0/2 0 true?

- A. the two workstation stop communicating because they are on VLAN 5. Which is not allowed on the trunk.
- B. The running configuration displays switch port trunk allowed vlan 1-5 for Fa0/2.
- C. The two workstations continue to communication without a default gateway configured.
- D. the command is unsupported on a trunk where VLANs have already been pruned manually.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 156

What is the default interval at which Cisco devices send Cisco Discovery Protocol advertisements?

- A. 60 seconds
- B. 120 seconds
- C. 300 seconds
- D. 30 seconds

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 157

Refer to the exhibit.



An engineer has run the show EtherChannel summary command and the output is displayed. Which statement about the status of the EtherChannel is true?

- A. The EttherChannel is operational and is usig no EtherChannel protocol
- B. The EttherChannel is down and configured for LACP
- C. The EthcrChannel is operational and configured for PAgP
- D. The EttherChannel is down because of a mismatched EtherChannel protocol

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 158

Refer to the exhibit.

(Picture was showing from CLI "show spanning-tree vlan xx" that running on mode rapid-pvst).

If you have a new switch (that runs spanning-tree mode pvst+) connect to the exist switch, which statement is true?

- A. It will work, the new switch will communicate exist switch with Rapid-PVST
- B. NA
- C. It will work, the new switch will communicate exist switch with PVST+
- D. It will not working between two switches

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 159

DRAG DROP

Drag the description from the left to add on appropriate section on right

port self recovery

protect designated port from receiving superior BPDU

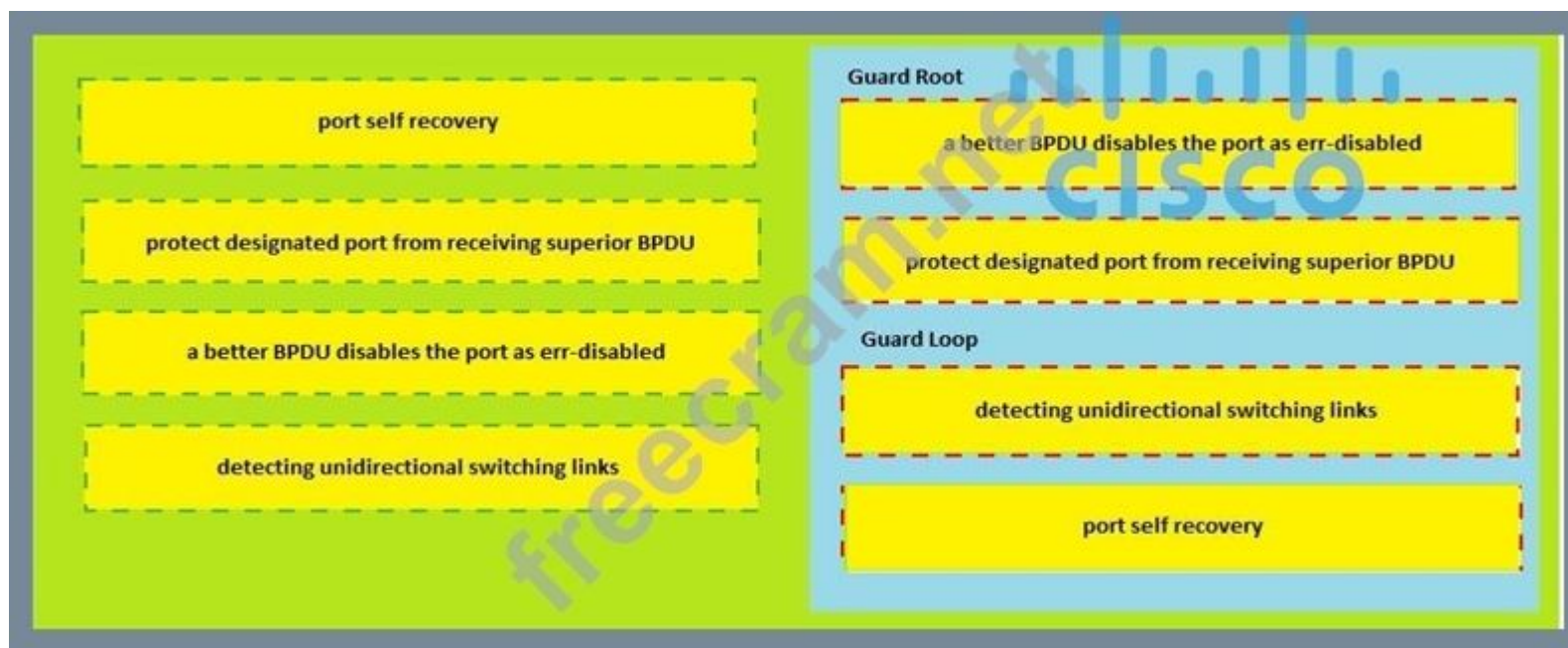
a better BPDU disables the port as err-disabled

detecting unidirectional switching links

Guard Root

Guard Loop

Answer:



NEW QUESTION: 160

Which of the following commands can be issued without interfering with the operation of loop guard?

- A. Switch(config-if)#switchport mode access
- B. Switch(config-if)#spanning-tree portfast
- C. Switch(config-if)#switchport mode trunk
- D. Switch(config-if)#spanning-tree guard root

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 161

Refer to the exhibit

```
!
interface GigabitEthernet2/0/1
 switchport access vlan 700
 switchport trunk allowed vlan 200,300,700
 switchport mode trunk
end
!
```

Which statement about the current configuration on port GigabitEthernet2/0/1 is true?

- A. It is an access port in VLAN 700
- B. It is an access port configured for a phone and a PC
- C. It is a trunk port and the native VLAN is VLAN 700

D. It is a trunk port and the native VLAN is VLAN1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 162

What is the size of the VLAN field inside an 802.1q frame?

A. 12-bit

B. 32-bit

C. 16-bit

D. 8-bit

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 163

What is the default value for the errdisable recovery interval in a Cisco switch?

A. 300 seconds

B. 600 seconds

C. 30 seconds

D. 100 seconds

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 164

An enterprise network has port security sticky enabled on all access ports. A network administrator moves a PC from one office desk to another. After the PC is moved, the network administrator clears the port security on the new network switch port connecting to the PC, but the port keeps going back into err-disabled mode. Which two factors are possible causes of this issue? (Choose two)

A. Port security must be disabled on all access ports.

B. Port security sticky exists on the new network switch port.

C. Port security sticky is disabled on the new network switch port.

D. Port security is still enabled on the older network switch port.

E. Port security sticky is still enabled on the older network switch port.

Answer: B,E ([LEAVE A REPLY](#))

NEW QUESTION: 165

Refer to the exhibit.

```
%GLBP-4-DUPADDR: Duplicate address
```

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

A. Layer 2 loop

B. Unavailable GLBP active forwarder

C. HSRP configured on same interface as GLBP

D. Incorrect GLBP IP address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 166

DRAG DROP

Drag and drop the correct statements about HSRP from the left into the True column on the right. Not all options are used.

A drag-and-drop interface with a list of statements on the left and four empty boxes on the right. The statements are:

- It supports authentication.
- HSRPv1 and HSRPv2 use the same packet format.
- It can share a virtual MAC or IP address among a group of routers.
- It is a Cisco-proprietary implementation of FHRP.
- It is supported on Layer 3 interfaces, including tunneled interfaces.
- HSRPv1 and HSRPv2 use different multicast addresses for hello packets.
- The HSRPv2 group number ranges from 0 to 255.

The right side has four empty rectangular boxes for dropping the correct statements.

Answer:

The same drag-and-drop interface as above, but with the correct statements moved to the right. The statements on the left (True column) are:

- It supports authentication.
- HSRPv1 and HSRPv2 use the same packet format.
- It can share a virtual MAC or IP address among a group of routers.
- It is a Cisco-proprietary implementation of FHRP.
- It is supported on Layer 3 interfaces, including tunneled interfaces.
- HSRPv1 and HSRPv2 use different multicast addresses for hello packets.
- The HSRPv2 group number ranges from 0 to 255.

The statements on the right (False column) are:

- HSRPv1 and HSRPv2 use different multicast addresses for hello packets.
- It can share a virtual MAC or IP address among a group of routers.
- It is a Cisco-proprietary implementation of FHRP.
- It supports authentication.

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NEW QUESTION: 167

An engineer is configuring an EtherChannel between two switches using LACP. If the EtherChannel mode on switch 1 is configured to active, which two modes on switch 2 establish an operational EtherChannel? (Choose two.)

- A. on
- B. passive
- C. auto
- D. desirable
- E. active

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 168

After an EtherChannel is configured between two Cisco switches, interface port channel 1 is in the down/down state. Switch A is configured with channel-group 1 mode active, while Switch B is configured with channel-group 1 mode desirable. Why is the EtherChannel bundle not working?

- A. The switches are using mismatched EtherChannel negotiation modes.
- B. The switch ports are not configured in trunking mode.
- C. LACP priority must be configured on both switches.
- D. The channel group identifier must be different for Switch A and Switch B.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 169

EtherChannel load balancing with an exhibit.

SERVER SERVER

||
S W I T C H

|||||||
S W I T C H

|
HOST

Which EtherChannel load balancing algorithm should be used to optimize the EtherChannel links between switches?

- A. Source MAC
- B. Destination IP
- C. Destination MAC
- D. Source-dest MAC

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 170

What does the command `vlan dot1q tag native` accomplish when configured under global configuration?

- A. Control traffic is tagged.
- B. It removes the 4-byte dot1q tag from every frame that traverses the trunk interface(s).
- C. It allows control traffic to pass using the non-default VLAN.
- D. All frames within the native VLAN are tagged, except when the native VLAN is set to 1.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 171

Refer to the exhibit.

****Exhibit is missing****

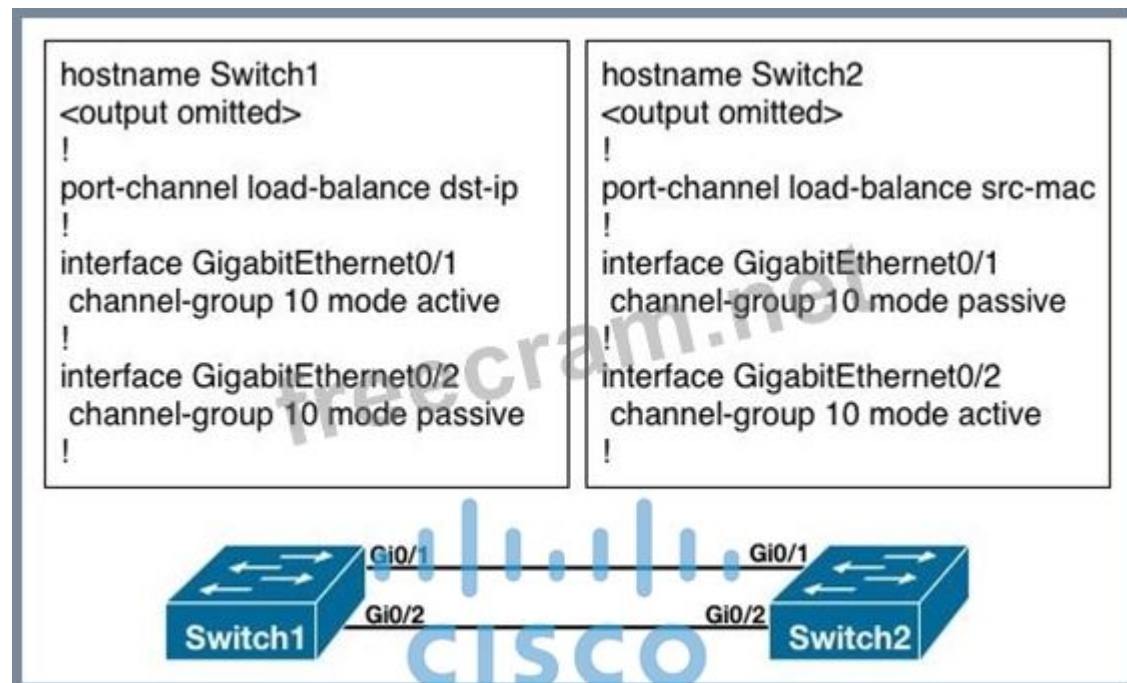
An engineer is configuring an etherchannel between two switches, he notices the error message on Switch 2 (error message channel-misconfiguring error), based on the output what is the problem:

- A. the etherchannel protocol on switch 1 is not correct
- B. the etherchannel interface of switch 2 is not configured
- C. the etherchannel interface of switch 1 is not configured
- D. the etherchannel on the switch 1 using incorrect member port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 172

Refer to the exhibit.



What is the result of the configuration?

- A. The EtherChannels would form and function properly even though the load-balancing and EtherChannel modes do not match.
- B. The EtherChannels would form, but network loops would occur because the load- balancing methods do not match.
- C. The EtherChannels would not form because the load-balancing method must match on the devices.
- D. The EtherChannels would form and both devices would use the dst-ip load-balancing method because Switch1 is configured with EtherChannel mode active.

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 173

A network engineer is considering implementing UDLD throughout the network. Which option must the network engineer consider?

- A. UDLD aggressively disables the port after eight failed retries to connect to neighbor.
- B. UDLD works at Layer 1 of the OSI model.
- C. UDLD is already enabled by default on all ports on Cisco switches.
- D. UDLD is an IEEE standard that can be configured on non-Cisco devices.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 174

Refer to the exhibit.

```
hostname Switch1
interface Vlan10
ip address 172.16.10.32 255.255.255.0
no ip redirects
standby 1 ip 172.16.10.110
standby 1 timers msec 200 msec 700
standby 1 preempt

hostname Switch2
interface Vlan10
ip address 172.16.10.33 255.255.255.0
no ip redirects
standby 1 ip 172.16.10.110
standby 1 timers msec 200 msec 750
standby 1 priority 110
standby 1 preempt

hostname Switch3
interface Vlan10
ip address 172.16.10.34 255.255.255.0
no ip redirects
standby 1 ip 172.16.10.110
standby 1 timers msec 200 msec 750
standby 1 priority 150
standby 1 preempt
```

Three switches are configured for HSRP. Switch1 remains in the HSRP listen state. What is the most likely cause of this status?

- A. IP addressing is incorrect
- B. incorrect priority commands
- C. standby group number does not match VLAN number
- D. incorrect standby timers
- E. this is normal operation

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 175

Which three responses from a RADIUS server are valid? (Choose three.)

- A. UPDATE PASSWORD
- B. CHALLENGE
- C. CONFIRM
- D. REJECT
- E. ACCEPT

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 176

A network engineer must improve bandwidth and resource utilization on the switches by stopping the inefficient flooding of frames on trunk ports where the frames are not needed.

Which Cisco IOS feature can be used to achieve this task?

- A. VTP pruning
- B. access list
- C. VLAN access-map
- D. switchport trunk allowed VLAN

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 177

Which feature actively validates DHCP messages and drops invalid messages?

- A. IGMP snooping
- B. DHCP inspection
- C. Dynamic ARP inspection
- D. DHCP host tracking
- E. DHCP snooping
- F. CGMP binding

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 178

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 179

While doing network discovery using Cisco Discovery Protocol, it is found that rapid error tracking is not currently enabled. Which option must be enabled to allow for enhanced reporting mechanisms using Cisco Discovery Protocol?

- A. Cisco Discovery Protocol version 2

- B. Cisco Discovery Protocol logging options
- C. logging buffered
- D. Cisco Discovery Protocol source interface
- E. Cisco IOS Embedded Event Manager

Answer: (SHOW ANSWER)

NEW QUESTION: 180

Which feature do you implement so that a physical port enters the loop inconsistent state if it fails to receive BPDUs?

- A. BPDU ignore
- B. loop guard
- C. loop disable
- D. flex links
- E. loop block
- F. root guard

Answer: (SHOW ANSWER)

NEW QUESTION: 181

DRAG DROP

Drag and drop the characteristic from the left to the matching Layer 2 protocol on the right.

sends topology change notification

Default time between protocol frames is 60 seconds.

uses multicast address 01-80-C2-00-00-0E

Default time between protocol frames is 30 seconds.

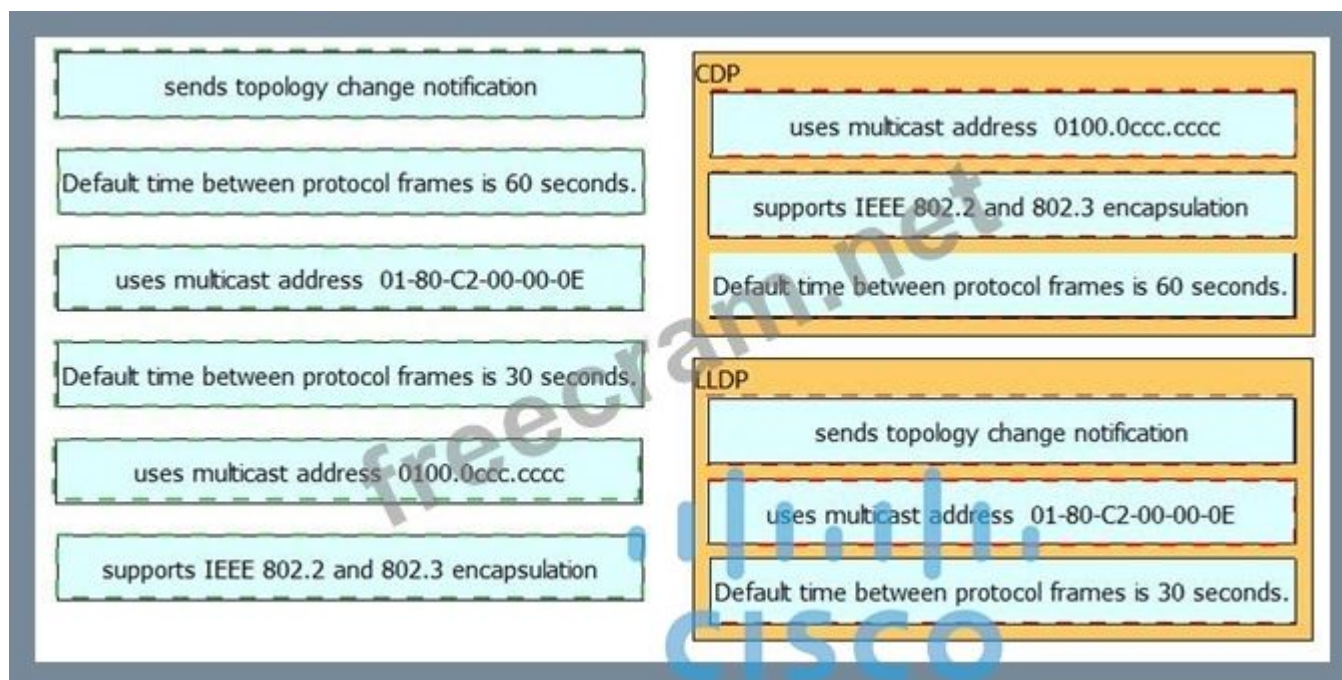
uses multicast address 0100.0ccc.cccc

supports IEEE 802.2 and 802.3 encapsulation

CDP

LLDP

Answer:



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NEW QUESTION: 182

A network engineer changed the port speed and duplex setting of an existing EtherChannel bundle that uses the PAgP protocol. Which statement describes what happens to all ports in the bundle?

- A. PAgP changes the port speed but not the duplex for all ports in the bundle.
- B. PAgP drops the ports that do not match the configuration.
- C. PAgP changes the port speed and duplex for all ports in the bundle.
- D. PAgP does not change the port speed and duplex for all ports in the bundle until the switch is rebooted.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 183

Which component does the GLBP client cache stores for each host of a particular GLBP group?

- A. MAC address
- B. VLAN
- C. DCSP
- D. IP address
- E. Token ring

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 184

A network engineer configured an Ethernet switch using these commands.

Switchone(config) # Spanning-tree portfast bpduguard default

Which statement about the spanning-tree portfast feature on the switch is true?

- A. If an interface is enabled for portfast receives BPDU, the port goes into the spanning-tree inconsistent state.
- B. If an interface is enabled for portfast receives BPDU, the port is shut down immediately.
- C. If an interface is enabled for portfast receives BPDU, the port does not go through the spanning-tree listening, learning, and forwarding states.
- D. If an interface is enabled for portfast receives BPDU, the port goes through the spanning-tree listening, learning, and forwarding states.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 185

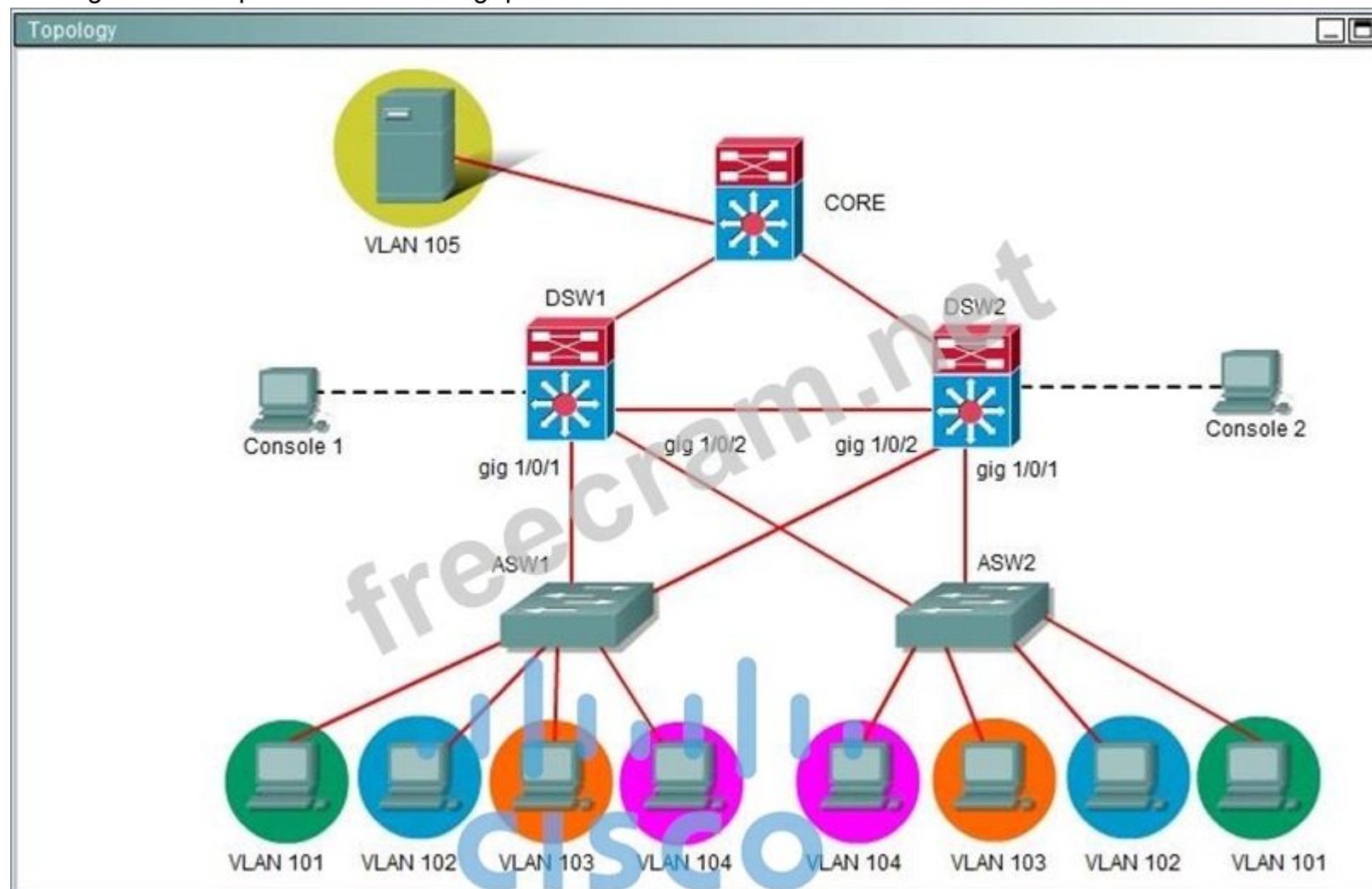
Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRP to provide a high availability solution.

* 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.





During routine maintenance, GigabitEthernet1/0/1 on DSW1 was shut down. All other interfaces were up. DSW2 became the active HSRP device for VLAN 101 as desired.

However, after GigabitEthernet1/0/1 on DSW1 was reactivated, DSW1 did not become the active router for VLAN 101 as desired. What needs to be done to make the group for VLAN 101 function properly?

- A.** Enable preempt in the VLAN 101 HSRP group on DSW1.
- B.** In the VLAN 101 HSRP group on DSW1, decrease the priority value to a value that is less than the priority value configured in the VLAN 101 HSRP group on DSW2.

C. Decrease the decrement value in the track command for the VLAN 101 HSRP group on U DSWTs to a values less than the value in the track command for the VLAN 101 HSRP group on DSW2.

D. Disable preempt in the VLAN 101 HSRP group on DSW2's.

Answer: ([SHOW ANSWER](#))

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