

Cisco.300-115.v2020-01-02.q86

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NEW QUESTION: 1

Refer to the exhibit.



A single server in Company ABC is connected via EtherChannel to a single upstream Layer 2 switch. Which EtherChannel load balancing methods on the switch make optimal use of the redundant links as traffic flows from the router that is the default gateway to the server?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

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

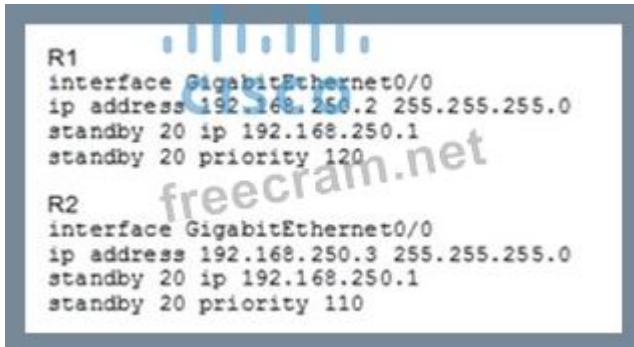
- A. VTP pruning can be configured on all VLANs.
- B. VTP pruning can be configured on extended-range VLANs only
- C. A configuration revision number is included in VTP packets.

- D. Advertisements are sent periodically from trunk ports to a multicast address.
- E. When you update from VTP version 1 to VTP version 2, the switch must be reloaded

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

Refer to the exhibit.



```
R1
interface GigabitEthernet0/0
ip address 192.168.250.2 255.255.255.0
standby 20 ip 192.168.250.1
standby 20 priority 120

R2
interface GigabitEthernet0/0
ip address 192.168.250.3 255.255.255.0
standby 20 ip 192.168.250.1
standby 20 priority 110
```

Which two effects of this configuration are true? (Choose two.)

- A. R1 becomes the active router
- B. If R2 goes down, R1 becomes active but reverts to standby when R2 comes back online
- C. R1 goes down, R2 becomes active and remains the active device when R1 comes back online
- D. Hello messages are sent to multicast address 224.0.0.5.
- E. If R1 goes down, R2 becomes active but reverts to standby when R1 comes back online.
- F. R1 becomes the standby router.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

Which statement about Cisco devices learning about each other through Cisco Discovery Protocol is true?

- A. Each device broadcasts periodic advertisements to all of its neighbors.
- B. Each device sends periodic advertisements to all IP addresses in its ARP table.
- C. Each device sends periodic advertisements to multicast address 01:00:0C:CC:CC:CC.
- D. Each device sends periodic advertisements to a central device that builds the network topology.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 5

Refer to the exhibit.

```
switch#show mac address-table
```

Mac Address Table

Vlan	Mac Address	Type	Ports
10	aaaa.aaaa.aaaa	DYNAMIC	Fa0/1
10	cccc.cccc.cccc	DYNAMIC	Fa0/3
20	aaaa.aaaa.aaaa	DYNAMIC	Fa0/2

Which two statements about the network environment are true? (Choose two)

- A. The two aaaa.aaaa.aaaa MAC address entries must be from the same VLAN
- B. The two aaaa.aaaa.aaaa MAC address entries must be from different VLANs
- C. Interfaces Fa0/a and Fa0/3 cannot communicate via Layer 2 switching
- D. Interfaces Fa0/1 and Fa0/2 cannot communicate via Layer 2 switching
- E. Interfaces Fa0/2 and Fa0/3 can communicate via Layer 2 switching.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

Which three features of AAA with TACACS+ are true? (Choose three.)

- A. It encrypts the password for transmission.
- B. It secures access to endpoint devices.
- C. It encrypts the entire transmission.
- D. It secures access to network devices.
- E. It separates authorization and authentication functions.
- F. It integrates authorization and authentication functions.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

Which describes the default load balacing scheme used by the Gateway Load Balancing Protocol (GLBP)?

- A. Per host using a strict priority scheme
- B. Per session using a round-robin scheme
- C. Per host basis using a round robin-scheme
- D. Per session using a strict priority scheme
- E. Per GLBP group using a round-robin scheme
- F. Per GLBP group using a strict priority scheme

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 8

Which statement is correct about 802.1Q trunking?

- A. Both switches must be in the same VTP domain.
- B. In 802.1Q trunking, all VLAN packets are tagged on the trunk link, except the native VLAN.
- C. 802.1Q trunking can only be configured on a Layer 2 port.
- 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: 9

Which two configuration requirements for port security are true? (Choose two.)

- A. Port must be in interface VLAN mode
- B. Port must be in access mode
- C. Port must be in encapsulation mode
- D. Port security must be disabled on the port level
- E. Port security must be enabled on the port level

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

- A. They can communicate only with other ports in the private VLAN
- B. They can be configured on only port on a device.
- C. They can be configured on the EtherChannel ports
- D. They can be configured on more than one port in the same VLAN
- E. They can communicate only with promiscuous ports

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 11

What is the maximum number of VLANs that can be assigned to an access switchport without a voice VLAN?

- A. 1
- B. 1024
- C. 2
- D. 0

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

Which two statements about source port monitoring in SPAN are true? (Choose two)

- A. It can monitor only FaStEthernet and GigabitEthernet port types.
- B. The entire EtherChannel must be monitored.
- C. It can monitor ingress and egress traffic
- D. Traffic through a destination port can be copied and included in the SPAN session.
- E. It can monitor individual interfaces within a port channel

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

What is the maximum number of virtual MAC addresses that GLBP allows per group?

- A. 6
- B. 2
- C. 4
- D. 8

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 14

You are configuration an interface, and you want to enable Layer 3 mode on an EtherChannel. Which task must you perform?

- A. Issue the no switch command.
- B. Set the channel group to desirable.
- C. Set the channel group to active
- D. Issue the address command.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 15

What condition was match during etherchannel configuration.

- A. Spanning tree cost
- B. Spanning tree port priority
- C. Interface Description
- D. Trunk allow vlan
- E. Trunk mode

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 16

Drag the appropriate from left to right on description.

	VSS
Uses proprietary cable for connection	
Can be connected in up to 9 devices	
Can be used even in geographically distributed equipment	
Is supported only on line 3750 and ??? (2960,3650,3850 or 3750+)	
Is supported only on line 4500 and 6500	
Uses 10G interfaces? (The last choice I do not remember)	

Answer:

	VSS
Uses proprietary cable for connection	Can be used even in geographically distributed equipment
Can be connected in up to 9 devices	Is supported only on line 4500 and 6500
Can be used even in geographically distributed equipment	Uses 10G interfaces? (The last choice I do not remember)
Is supported only on line 3750 and ??? (2960,3650,3850 or 3750+)	
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NEW QUESTION: 17

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 18

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. root guard
- B. forward-timers
- C. cost
- D. link type
- E. port-priority

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 19

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 20

- A. show interface trunk
- B. show interface brief
- C. show interfaces summary
- D. show interface switchport
- E. show interfaces

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 21

Which HSRP extension allows groups to share traffic loads?

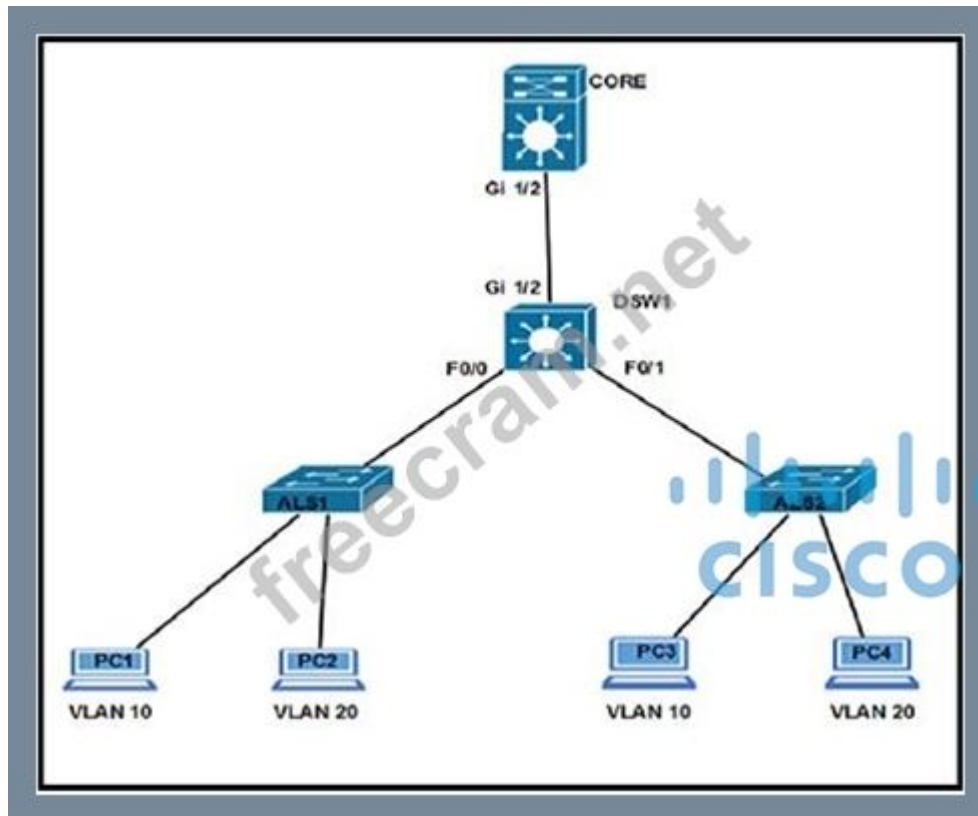
- A. CHSRP

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

Refer to the exhibit.



Which configuration ensures that the Cisco Discovery Protocol packet update frequency sent from DSW1 to ALS1 is half of the default value?

- A. DSW1(config)#cdp holdtime 90
- B. DSW1(config-if)#cdp timer 60
- C. DSW1(config-if)#cdp holdtime 30
- D. DSW1(config)#cdp timer 90
- E. DSW1(config-if)#cdp holdtime 60
- F. DSW1(config)#cdp timer 30

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

NEW QUESTION: 23

Which option is the value of the Tag Protocol Identifier for an 802.1Q tagged frame?

- A. 0x8100
- B. 0x888E
- C. 0x0806
- D. 0x0800

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

NEW QUESTION: 24

Which three statements are correct with regard to the IEEE 802.1Q standard? (Choose three)

- A. The IEEE 802.1Q frame uses multicast destination of 0x01-00-0c-00-00
- B. The protocol uses point-to-point connectivity
- C. The IEEE 802.1Q frame format adds a 4 byte field to a Ethernet frame
- D. The packet is encapsulated with a 26 byte header and a 4 byte FCS
- E. The IEEE 802.1Q frame retains the original MAC destination address
- F. The protocol uses point-to-multipoint connectivity

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 26

Which technology provides a multichassis IP connection between VSS-enabled switches and downstream devices?

- A. LAG
- B. LACP
- C. PAgP
- D. ICCP
- E. MEC
- F. BFD

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 27

Refer to the exhibit.



What is default behavior expected upon running the ip dhcp snooping vlan 10 command?

- A. All of the switch ports in VLAN 10 are un trusted.
- B. All of the switch ports in VLAN 10 are trusted.
- C. The user can obtain an IP address are DHCP.
- D. All of the ports that are not placed in VLAN 10 are un trusted.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

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

- A. 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.
- B. 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.
- C. 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.
- D. 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.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 31

Which option is the minimum number of bindings that the DHCP snooping database can store?

- A. 5000 bindings
- B. 8000 bindings
- C. 1000 bindings
- D. 2000 bindings

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 32

On which PVLAN type can host ports communicate with promiscuous ports?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 33

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 34

Refer to the exhibit.

```
spanning-tree mode pvst
spanning-tree etherchannel guard misconfig
```

Which effect of this configuration is true?

- A. Spanning tree is disabled if the switch port establishes an EtherChannel
- B. The switch port error disables when a port attempts to form an EtherChannel with a port that has a different configuration
- C. The switch port continues to negotiate an EtherChannel even when there are configuration discrepancies between the two ports
- D. Spanning tree blocks EtherChannel formation on the device

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 35

Which HSRP identifier can an end station use to find the default gateway at the data link layer?

- A. router priority
- B. MAC address
- C. BIA
- D. virtual IP address

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 36

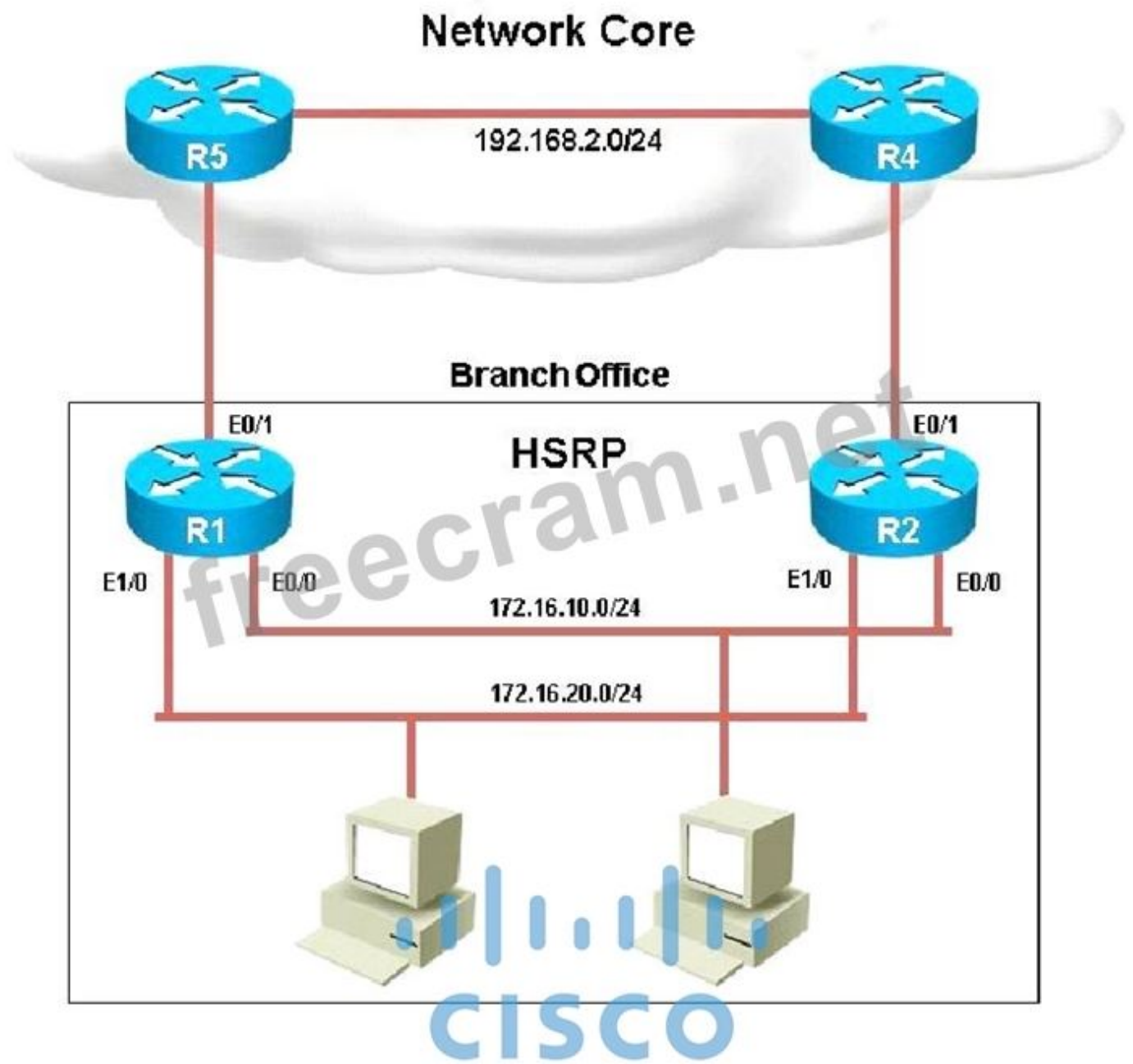
To follow the Layer 2 switching guidelines, a network engineer decides to create a separate spanning tree for every group of 10 VLANs. Which version of spanning tree is appropriate to meet the company policy?

- A. MST
- B. STP
- C. RPVST+
- D. PVST+
- E. RSTP

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 37

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

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: 39

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

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

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

NEW QUESTION: 40

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 41

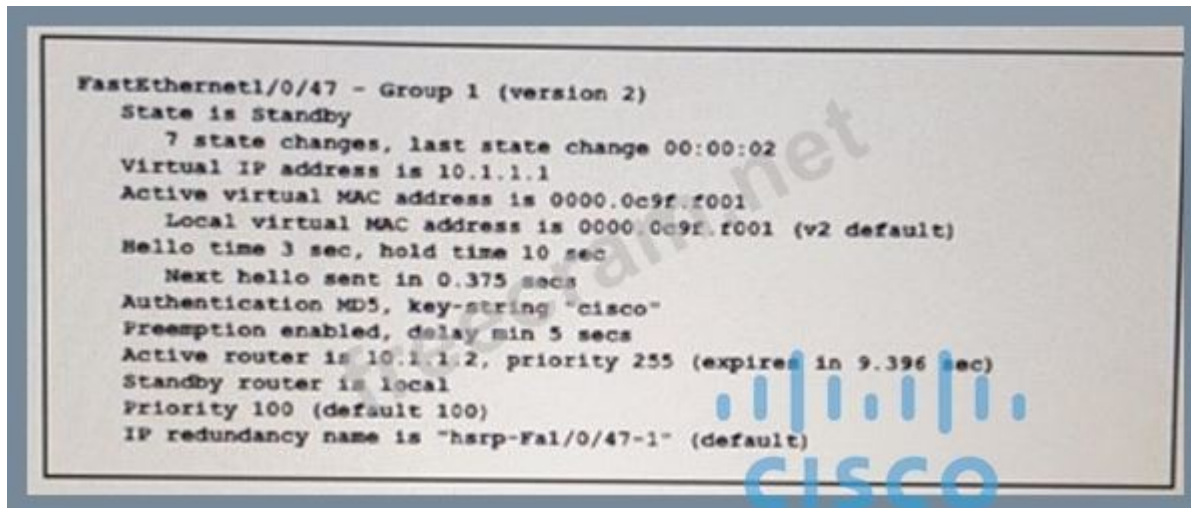
When you design a switched network using VTPv2, how many VLANs can be used to carry user traffic?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 42

Refer to the exhibit.



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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 43

Which two tasks must you perform to configure DHCP snooping on a device? (choose two)

- A. Enable DHCP packet validation on the device.
- B. Enable DHCP snooping globally
- C. Enable VRF support for the DHCP relay agent
- D. Enable DHCP snooping on the VLAN
- E. Enable DHCP option 82.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

Which command enables you to determine the spanning-tree guard features that are enabled globally?

- A. show spanning-tree detail
- B. show spanning-tree active
- C. show spanning-tree
- D. show spanning-tree summary

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 45

When port security is configured on a switch, which violation mode is the default?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 46

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. init
- C. speak
- D. standby
- E. learn
- F. listen

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 47

Which command prevent ill access port-; on a switch from sending or receiving BPDUs Us?

- A. spanning-tree bpdupfilter enable
- B. spanning-tree bpdupfilter default
- C. spanning-tree portfast bpduguard default
- D. spanning-tree portfast bpdupfilter default

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 48

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

- A. The routing protocols in use on the device

- B. Its port number
- C. Its hardware platform
- D. Its spanning-tree state
- E. Its hostname
- F. Its configuration register value

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 49

Refer to the exhibit.

%GLBP-4-DUPADDR: Duplicate address

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 50

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 51

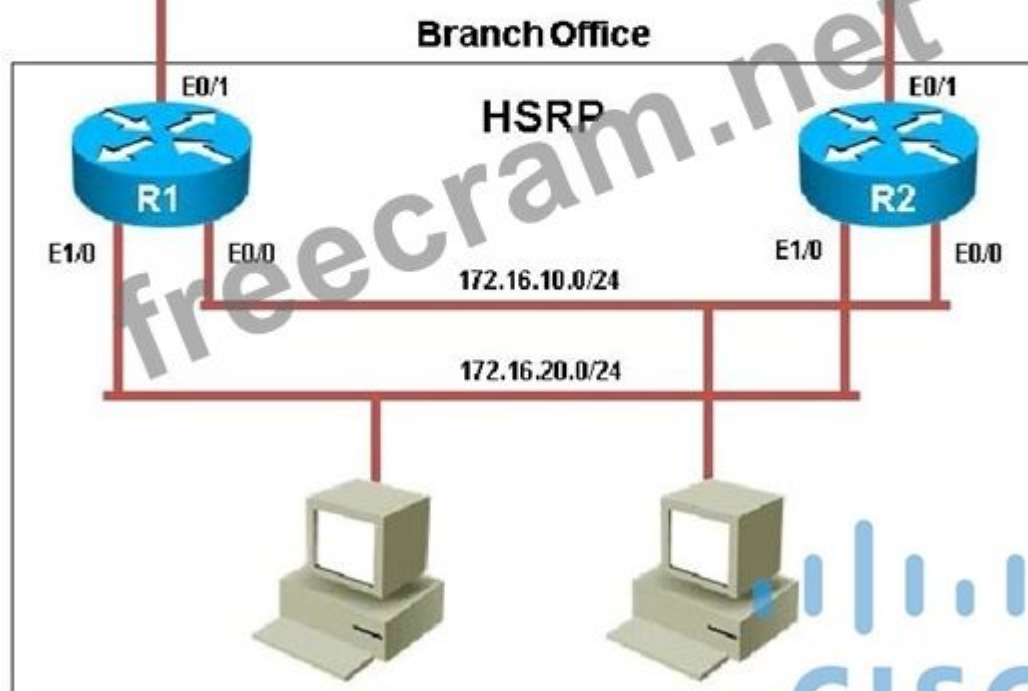
What is required for a LAN switch to support 802.1q Q-in-Q encapsulation?

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

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.



CISCO

R1



CISCO

freecram.net

R1#

R2



CISCO

freecram.net

R2#

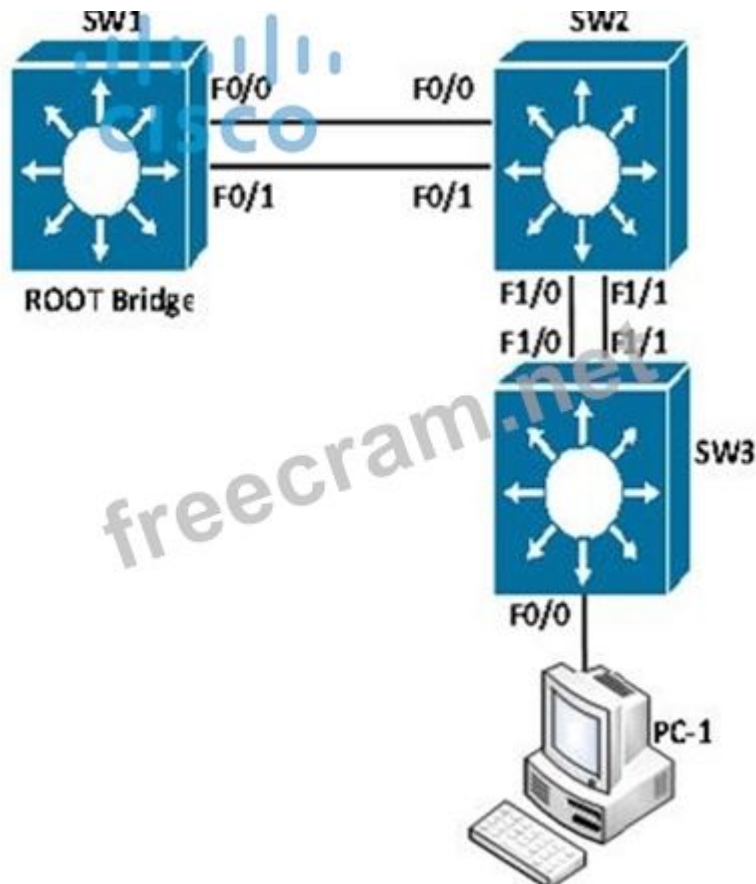
What is the virtual mac-address of HSRP group 1?

- A. 0000.0c07.ac01
- B. 0000.0c07.0010
- C. 4000.0000.0010
- D. 0000.0c07.ac02
- E. 4000.0000.ac01
- F. 4000.0000.ac02

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 54

Which command override the default priority of frames on an IP phone?

- A. switchport priority extend trust
- B. mls qos trust cos
- C. priority-queue out
- D. mls qos trust dscp

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 55

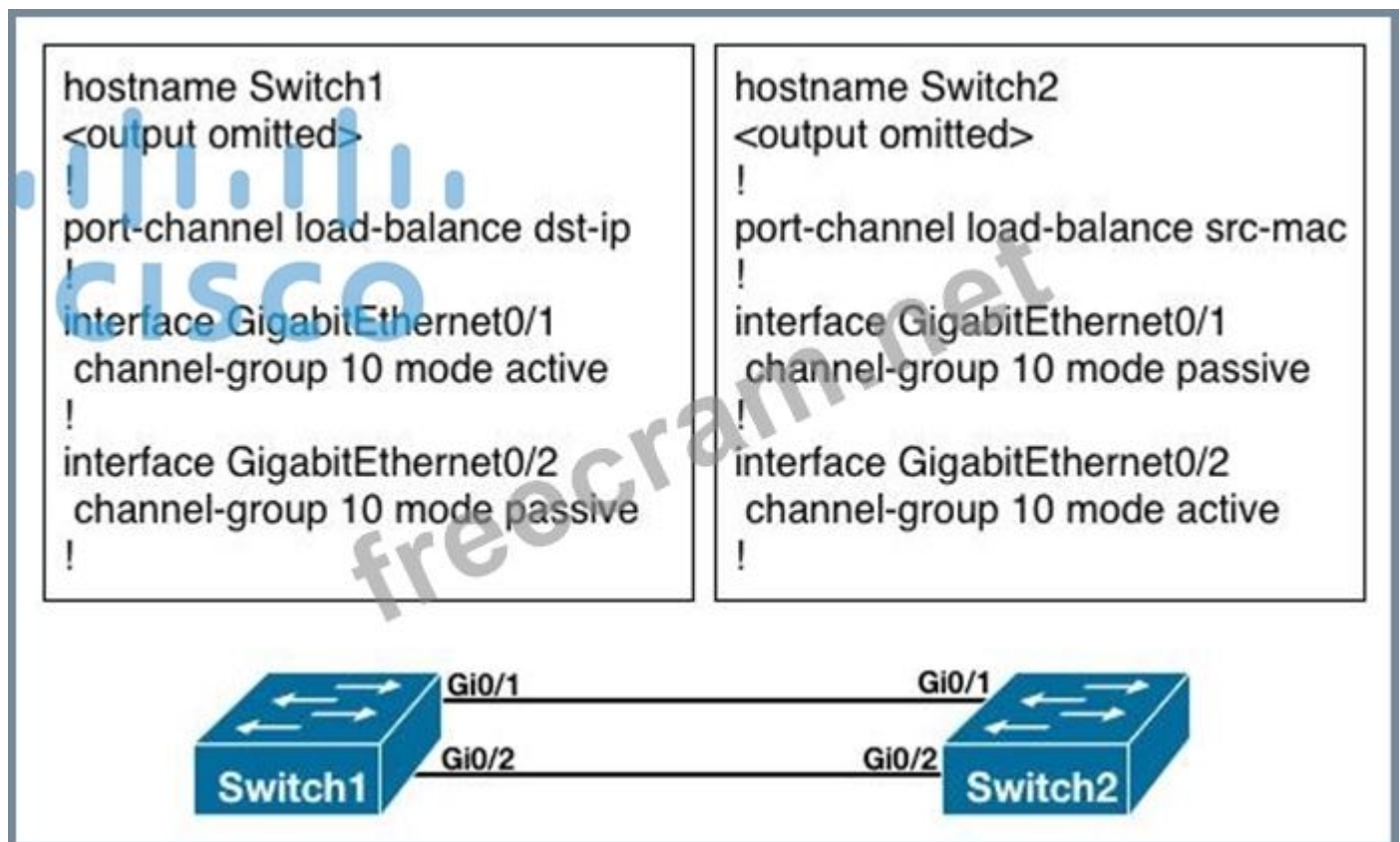
Which two tasks must you perform to enable AAA operations with a remote security database?
(Choose two)

- A. Configure network equipment to query the remote security database.
- B. Configure user profiles on the remote security database.
- C. Configure Cisco Discovery Protocol on all interfaces used for authentication.
- D. Configure a user profile in the local database of each device to which the user will have access.
- E. Configure SSH to provide remote access to network equipment.

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

NEW QUESTION: 56

Refer to the exhibit.



What is the result of the configuration?

- A. The EtherChannels would form, but network loops would occur because the load-balancing methods do not match.

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 57

Which two statements about an access port with voice VLAN are true? (Choose two.)

- A. They can be configured on trunk ports and access ports.
- B. They support a single VLAN for data traffic.
- C. They require VTP
- D. They can be configured on VLANs 1 through 1001 only.
- E. Frames on the Voice VLAN are tagged with a Layer 2 CoS value.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 58

Refer to the exhibit.

```
Switch# configure terminal
Switch(config)# vlan 3
Switch(config-vlan)# end
```

You have applied this configuration to Switches A, B, C, and D, and the switches are connected to one another on access ports. Which two additional actions must you take to enable the hosts on VLAN 3 to communicate with one another considering future growth with hosts on additional VLANs? (Choose two.)

- A. Configure VTP transparent mode to allow hosts with additional VLANs.
- B. Assign VLAN 3 to the ports connecting to the hosts.
- C. Configure VLAN 3 as an SVI with a working IP address.
- D. Reconfigure the access ports connecting the switches as trunk ports.
- E. Configure VLAN 3 in VLAN database mode.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 59

An administrator recently configured all ports for rapid transition using PortFast. After testing, it has been determined that several ports are not transitioning as they should. What is the reason for this?

- A. RSTP has been enabled per interface and not globally.
- B. STP is unable to achieve rapid transition for trunk links.
- C. The switch does not have the processing power to ensure rapid transition for all ports.

D. The STP root bridge selection is forcing key ports to remain in non-rapid transitioning mode.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 60

A. The switch generates a Topology Change Notification BPDU.

B. The port immediately transitions to the err-disable state.

C. The port becomes a normal STP switch port.

D. The port immediately transitions to the forwarding state.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 61

Which two statements about RSPAN are true? (Choose two)

A. MAC address learning is not supported | RSPAN VLANs are exempt from VTP pruning

B. It supports MAC address learning

C. RSPAN VLANs can carry RSPAN traffic only.

D. Only one RSPAN VLAN can be configured per device

E. RSPAN uses a GRE tunnel to transmit captured traffic

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 62

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

A. 32-bit

B. 16-bit

C. 12-bit

D. 8-bit

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 63

Which command disables spanning tree on multiple ports?

A. no spanning-tree mode rapid-pvst

B. no spanning-tree mode mst

C. no spanning-tree vlan <vlan_range>

D. no spanning-tree mode pvst

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 64

Refer to the exhibit.

```
switch#sh run
Building configuration...

Interface FastEthernet0/1
  description Uplink to Core
  switchport
  switchport trunk encapsulation dot1q
  switchport trunk allowed vlan 1-90,100-199,200-900,1000-4000
  switchport mode trunk
```

A network engineer changes the default native VLAN to VLAN 999. After applying the settings on the uplinks to the core switches, the switch control traffic, such as CDP and VTP, is no longer working. The standard configuration is used for each uplink. What is wrong with the configuration?

- A. The interface is administratively down.
- B. The encapsulation type is incorrect.
- C. The switchport mode trunk command should be first in the output.
- D. The control traffic must be manually enabled on the new native VLAN.
- E. The native VLAN is not present on the trunk.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 65

For which reason would you configure RSPAN instead of SPAN on your network?

- A. Only RSPAN supports STP on multiple switches across a campus
- B. RSPAN provides more complete monitoring of the traffic on a single switch.
- C. Only RSPAN devices can monitor traffic on other devices
- D. Only RSPAN can log traffic on a VLAN that spans multiple switches

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 66

Refer to the exhibit.

```

S1# show etherchannel summary
Flags: D - down      P - bundled in port-channel
      I - stand-alone s - suspended
      H - Hot-standby (LACP only)
      R - Layer3      S - Layer2
      U - in use      f - failed to allocate aggregator

```

```

      M - not in use, minimum links not met
      u - unsuitable for bundling
      w - waiting to be aggregated
      d - default port

```

```

Number of channel-groups in use: 1
Number of aggregators:          1

```

Group	Port-channel	Protocol	Ports
1	Pol1(SU)	LACP	Fa0/13(P) Fa0/14(P) Fa0/15(P)

Which statement about switch S1 is true?

- A. Logical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 2 physical port-channel interface using a Cisco proprietary protocol.
- B. Physical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 2 port-channel interface using an open standard protocol.
- C. Physical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 3 port-channel interface using a Cisco proprietary protocol.
- D. Logical port Fa0/13, Fa0/14, and Fa0/15 successfully formed a Layer 3 physical port-channel interface using an open standard protocol.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 67

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 68

Refer to the exhibit.

```

R2#show standby
FastEthernet1/0 - Group 50
  State is Active
    2 state changes, last state change 00:04:02
  Virtual IP address is 10.10.1.1
  Active virtual MAC address is 0000.0c07.ac32 (MAC In Use)
  Local virtual MAC address is 0000.0c07.ac32 (v1 default)
  Hello time 3 sec, hold time 10 sec
  Next hello sent in 1.504 secs
  Preemption enabled, delay reload 90 secs
  Active router is local
  Standby router is unknown
  Priority 200 (configured 200)
  Track interface FastEthernet0/0 State Up decrement 20
  Group name is "hsrp-Fa1/0-50" (default)
R2#
%IP-4-DUPADDR: Duplicate address 10.10.1.1 on FastEthernet1/0, sourced by 0000.0c07.ac28
R2#

```

Which option is the most likely explanation of the duplicate address message logged?

- A. spanning-tree loop
- B. HSRP misconfiguration
- C. a PC with IP of 10.10.1.1
- D. a hardware problem

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

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

- A. 100 seconds
- B. 30 seconds
- C. 300 seconds
- D. 600 seconds

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

Drag and drop the StackWise states from the left onto the correct descriptions on the right.

initializing	Ports have been assigned in the running configuration of the stack.
progressing	The stack master has successfully installed a configuration on a device.
provisioned	The stack master is actively performing discovery.
ready	The stack master is communicating with a new switch.
waiting	The switch is operational.

Answer:



NEW QUESTION: 71

In a switch stack where is the the SDM template stored?

- A. All switches in stack
- B. Master switch
- C. Flash memory
- D. Another

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 72

Which statement about the UDLD protocol is true?

- A. UDLD is a Cisco-proprietary Layer 2 protocol that enables devices to advertise their identity, capabilities, and neighbors on a local area network.
- B. UDLD is a standardized 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: 73

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

Which switch is chosen as the stack master during a stack master election or re-election?

- A. the switch with the lowest stack member priority value

- B. the switch with the highest stack member ID
- C. the switch with the highest stack member priority value
- D. the switch with the lowest stack member ID

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 75

After configuring new data VLANs 1020 through 1030 on the VTP server, a network engineer notices that none of the VTP clients are receiving the updates. What is the problem?

- A. The VTP version number must be set to version 3.
- B. After each update to the VTP server, it takes up to 4 hours propagate.
- C. VTP must be stopped and restarted on the server.
- D. The VTP server must be reloaded.
- E. Another switch in the domain has a higher revision number than the server.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 76

SIMULATION

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 portF0/1 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.

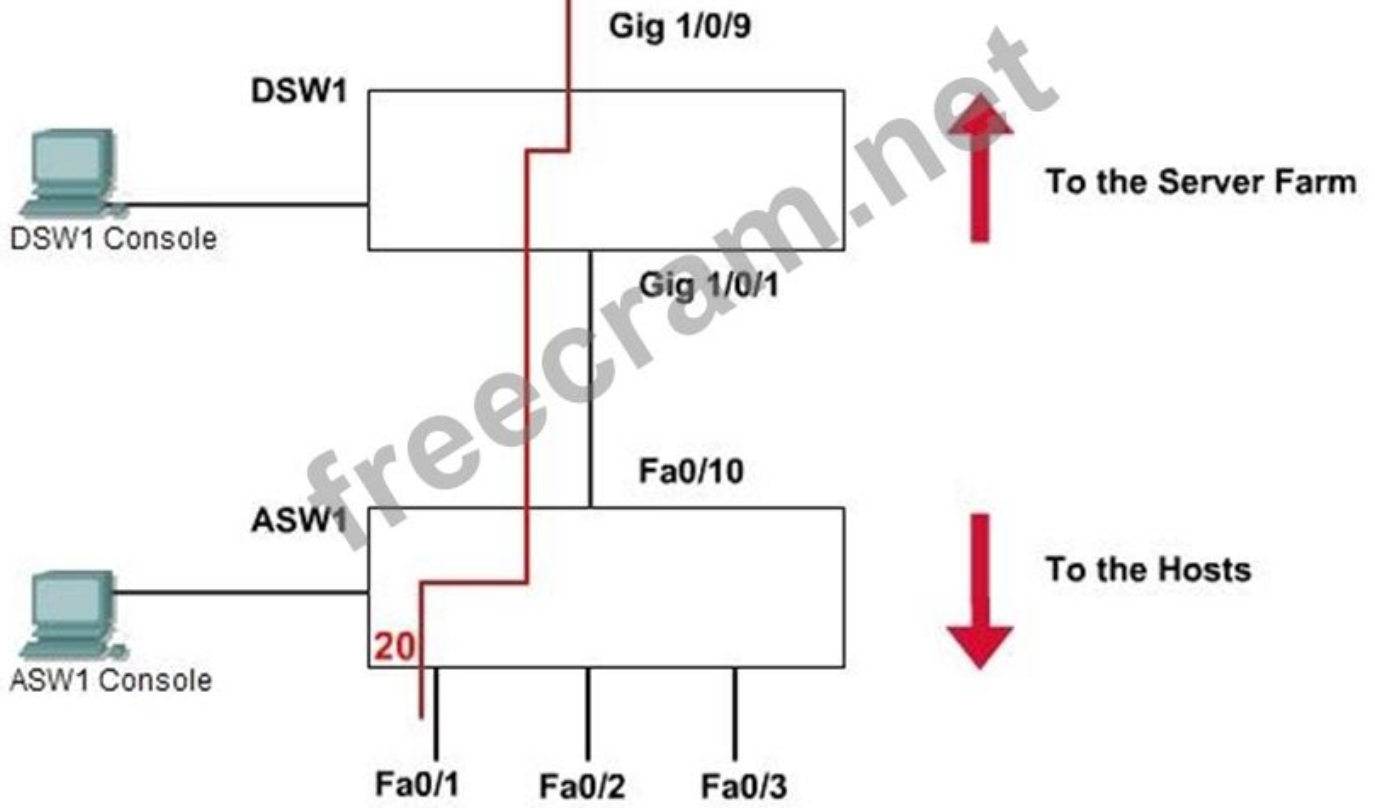
- * Devices on VLAN 20 are restricted to the subnet of 172.120.40.0/24.

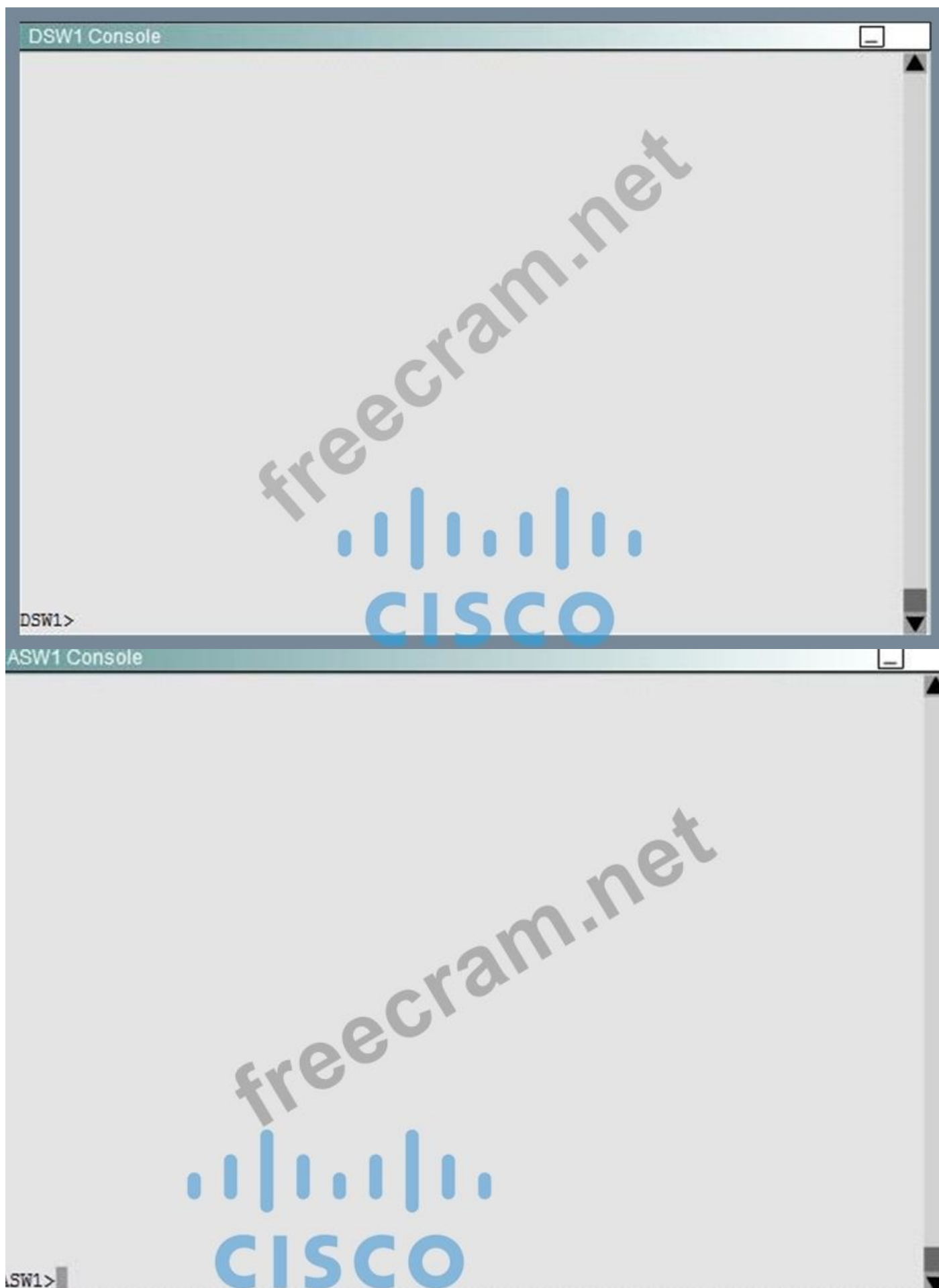
- * Packets from devices in the subnet of 172.120.40.0/24 should be allowed on VLAN 20.

- * 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.





A. 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
```

B. 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
```

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)#exit
```

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

```
DSW1#copy run start
```

Answer: (SHOW ANSWER)

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NEW QUESTION: 77

Which information does the subordinate switch in a switch stack keep for all the VLANs that are configured on it?

- A. DHCP snooping database
- B. spanning trees
- C. routing information
- D. VLAN database

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 78

Drag and drop the GLBP components from the left onto the correct functions on the right.

ARP	method of learning the MAC address of a network device
AVF	value that determines the role of the router in a GLBP environment
AVG	assigns virtual MAC addresses
gateway priority	forwards packets sent to an assigned virtual MAC address

Answer:

ARP	ARP
AVF	gateway priority
AVG	AVG
gateway priority	AVF

NEW QUESTION: 79

Which mechanism is specific for RSPAN and not for SPAN?

- A. source port
- B. destination port
- C. monitor port
- D. redundant port

E. reflector port

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 80

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 81

in a Cisco StackWise Virtual environment, which planes on the component devices are virtually combined in the common logical switch?

- A. control and management only
- B. control and data only
- C. control, data, and management
- D. management and data only

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 82

You want to configure a switch interface to send untagged traffic on VLAN 10 to a neighboring switch, along with other VLANs Which two commands must you use? (Choose two.)

- A. switch port trunk native vlan 1
- B. switchport mode trunk
- C. switchport mode access
- D. switchport trunk native vlan 10
- E. switchport access vlan 10

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

NEW QUESTION: 83

Refer to the exhibit.

```
Switch# Show run
interface FastEthernet0/13
spanning-tree cost 1000
!
interface FastEthernet0/14
spanning-tree cost 1000
!
interface FastEthernet0/15
spanning-tree cost 1000
!
interface FastEthernet0/20
spanning-tree cost 2
!
interface FastEthernet0/21
spanning-tree cost 1
```

All ports are members of VLAN 10. Considering the default cost of upstream bridges to the root bridge is equal, which option will be the new root port for VLAN 10?

- A. interface f0/14
- B. interface f0/15
- C. interface f0/13
- D. interface f0/21

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 85

Which statement about verifying the VLAN configuration on a switch in VTP server mode is true?

- A. VLANs must be verified on a per-VLAN basis.
- B. You can use the show vlan command to view the configuration.
- C. You can view the VLAN configuration in the running configuration.
- D. VLANs can be verified by name only.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 86

VLAN maps have been configured on switch R1. Which of the following actions are taken in a VLAN map that does not contain a match clause?

- A. Implicit deny feature at end of list.
- B. Implicit forward feature at end of list

C. Implicit forward feature at start of list.

D. Implicit deny feature at start of list.

Answer: ([SHOW ANSWER](#))

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