



# 640-878<sup>Q&As</sup>

Building Cisco Service Provider Next-Generation Network

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### QUESTION 1

Refer to the exhibit.

```
Router# configure terminal
Router(config)# router bgp 100
Router(config-router)# network
209.165.200.224 mask 255.255.255.224
Router(config-router)# address-family ipv4
vrf vrf-cisco
Router(config-router-af)# neighbor
10.10.10.10 remote-as 10
Router(config-router-af)# neighbor
10.10.10.10 activate
Router(config-router-af)# end
Router# copy running-config startup-config
```

A network engineer configured BGP PE to CE neighbor sessions with the commands shown. What does `address-family ipv4 vrf vrf-cisco` from the configuration allow?

- A. activates the advertisement of the IPv4 address family
- B. defines customer's routing context
- C. specifies a network and mask to announce in VRF-Cisco
- D. redistribute VRF-Cisco

Correct Answer: B

### QUESTION 2

Which statement is true about enabling IS-IS routing and using the net command to configure the NSAP address?

- A. NSAP addresses have a fixed size of 20 bytes.
- B. The NSEL must always be 00 to identify the router.
- C. The area address follows the system ID field before the NSEL field.
- D. An AFI of 39 indicates that the AFI is a locally administered private address.

Correct Answer: B

[http://www.cisco.com/en/US/tech/tk365/technologies\\_white\\_paper09186a00800a3e6f.shtml](http://www.cisco.com/en/US/tech/tk365/technologies_white_paper09186a00800a3e6f.shtml)



### QUESTION 3

Which spanning-tree mode uses the name command to configure a region name?

- A. MST
- B. PVST+
- C. PVRST+
- D. RSTP

Correct Answer: A

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### QUESTION 4

You want to configure HSRP between a Cisco IOS and a Cisco IOS XR router for the 192.0.2.0/24 subnet. Half of the PCs on the 192.0.2.0/24 subnet are configured to use 192.0.2.1 as the default gateway, and the other half of the PCs are configured to use 192.0.2.254 as the default gateway. The intent is to load balance the traffic across both routers.

Which two IOS and IOS XR configurations are needed? (Choose two.)

- A. ! IOS-XR interface GigabitEthernet 0/0/0/0 ip address 192.0.2.3 255.255.255.0 router hsrp interface GigabitEthernet 0/0/0/0 hsrp 1 ipv4 192.0.2.1 hsrp 1 priority 95 hsrp 1 preempt hsrp 2 ipv4 192.0.2.254 hsrp 2 priority 105 hsrp 2 preempt
- B. ! IOS-XR interface GigabitEthernet 0/0/0/0 ip address 192.0.2.1 255.255.255.0 router hsrp interface GigabitEthernet 0/0/0/0 hsrp 1 ipv4 192.0.2.1 hsrp 1 priority 99 hsrp 1 preempt hsrp 2 ipv4 192.0.2.254 hsrp 2 priority 101 hsrp 2 preempt
- C. ! IOS-XR interface GigabitEthernet 0/0/0/0 ip address 192.0.2.3 255.255.255.0 router hsrp interface GigabitEthernet 0/0/0/0 hsrp 1 ipv4 192.0.2.1 hsrp 1 priority 1 hsrp 1 preempt hsrp 2 ipv4 192.0.2.254 hsrp 2 priority 1 hsrp 2 preempt
- D. ! IOS interface GigabitEthernet 0/0 ip address 192.0.2.2 255.255.255.0 standby 1 ip 192.0.2.1 standby 1 priority 105 standby 1 preempt standby 2 ip 192.0.2.254 standby 2 priority 95 standby 2 preempt
- E. ! IOS interface GigabitEthernet 0/0 ip address 192.0.2.254 255.255.255.0 standby 1 ip 192.0.2.1 standby 1 preempt standby 2 ip 192.0.2.254 standby 2 preempt
- F. ! IOS interface GigabitEthernet 0/0 ip address 192.0.2.2 255.255.255.0 standby 1 ip 192.0.2.1 standby 1 preempt standby 1 priority 2 standby 2 ip 192.0.2.254 standby 2 preempt standby 2 priority 2

Correct Answer: AD

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### QUESTION 5

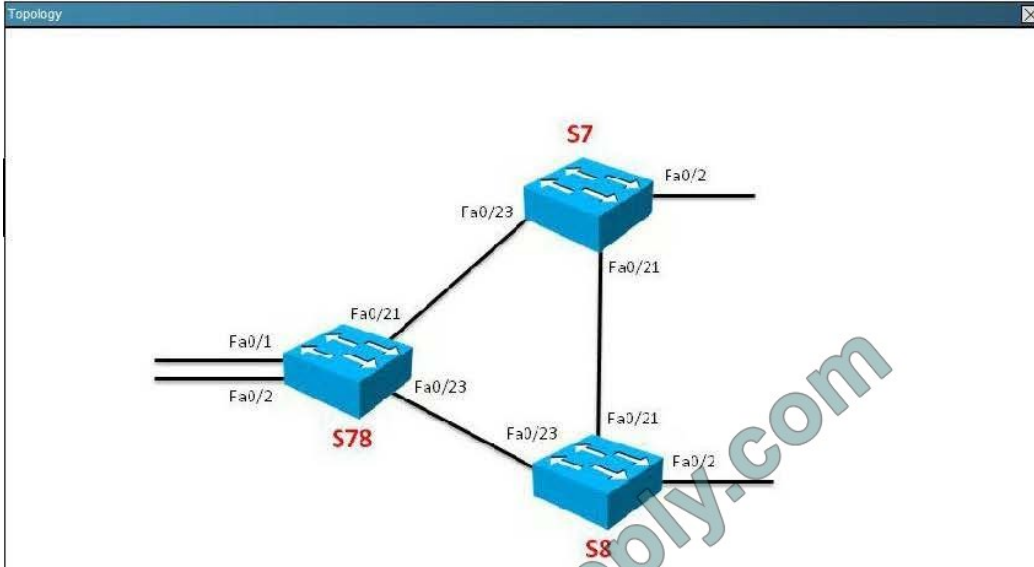


Instructions

- Enter the proper OS CLI show commands and analysis the show outputs on the Cisco switches to answer the multiple-choice questions.
- Not all show commands or show commands options are supported or required for this simulation.
- THIS TASK DOES NOT REQUIRE DEVICE CONFIGURATION.
- From the Topology, click on the switch icon to gain access to the console of the switch. No console or enable passwords are required.
- To access the multiple-choice questions, click on the numbered boxes on the left of the top panel.
- There are four multiple-choice questions will this task. Be sure to answer all four questions before selecting the Next button.

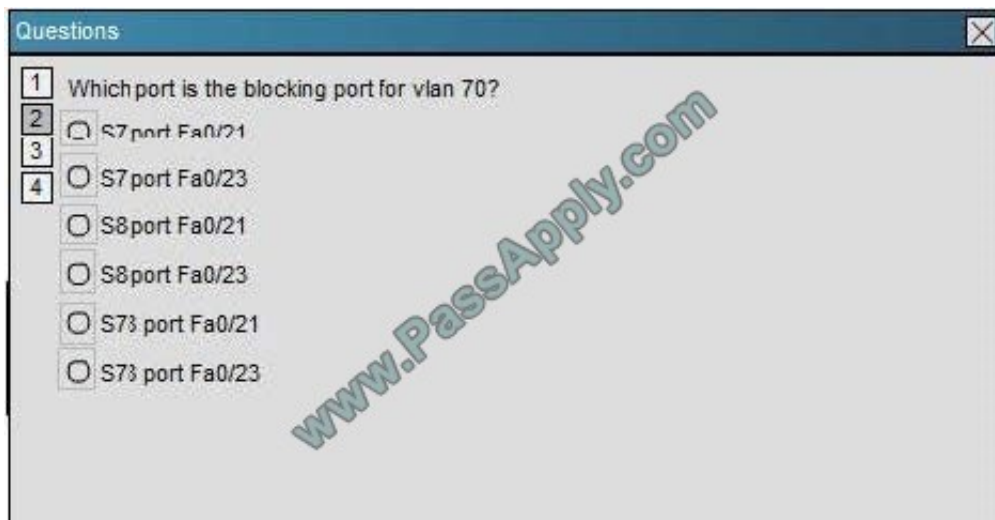
Scenario

Refer to the topology diagram. Use the appropriate show commands on the Cisco switches to answer the multiple-choice questions.





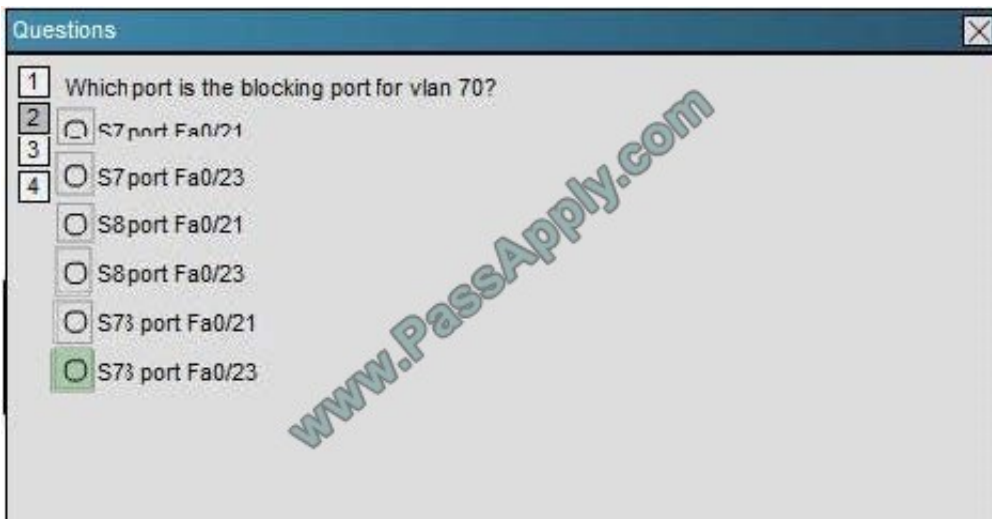
Hot Area:



Hot Area:



Correct Answer:



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