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CCNP Troubleshooting and Maintaining Cisco IP Networks (TSHOOT v2.0)

Cisco 300-135

Version Demo

Total Demo Questions: 10

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Topic Break Down

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QUESTION NO: 1

Refer to the exhibit. All routing has been confirmed working as expected. The network administrator is unable to log into router R1 via SSH. Which statement describes the issue?

```
R1#show running-config

[output omitted]
!
access-list 110 permit tcp any any eq 22
 access-list 110 permit tcp any any eq telnet
!
line con 0
 line aux 0
 line vty 0 4
  access-class 110 in
  login local
  transport input telnet
 line vty 5 15
  access-class 110 in
  login local
  transport input none
```

A. Access-list 110 is not applied in the correct direction on the VTY interfaces.

B. The transport input command on VTY 0-4 is only allowing telnet.

C. The access-group command should be used on VTY lines.

D. Access-list 110 is implicitly denying the authentication attempt.

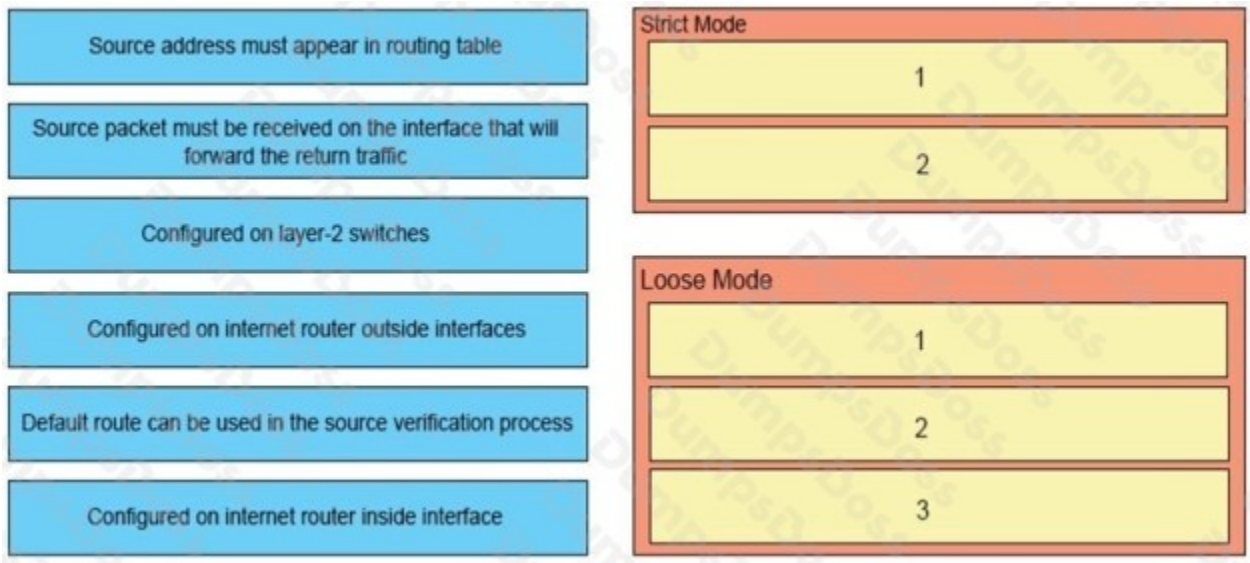
ANSWER: B

QUESTION NO: 2 - (DRAG DROP)

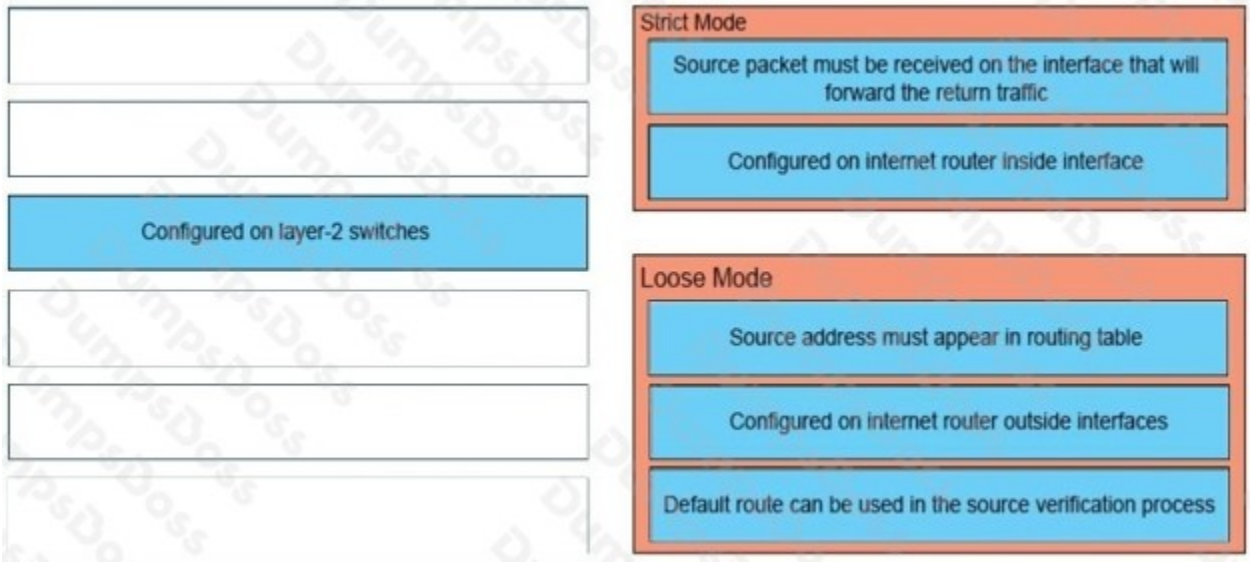
DRAG DROP

Drag the properties from the left onto their corresponding Unicast Reverse Path Forwarding mode on the right. Not all properties are used.

Select and Place:



ANSWER:



QUESTION NO: 3

Refer to the exhibit. The organization has implemented Management Plane Protection. Which two additional management protocols can be added to

GigabitEthernet0/3? (Choose two.)

```
RouterA:
interface GigabitEthernet0/2
ip address 10.10.20.2 255.255.255.0
!
interface GigabitEthernet0/3
ip address 10.10.30.2 255.255.255.0
!

RouterA#show management-interface
Management interface GigabitEthernet0/2
          Protocol          Packets processed
          http        0
          https       10

Management interface GigabitEthernet0/3
          Protocol          Packets processed
          http        0
          ssh         10
          snmp        1200

RouterB#ssh -l cisco 10.10.20.2
% Destination unreachable; gateway or host down
```

A. SCP

B. TFTP

C. CDP

D. Telnet

E. SMTP

ANSWER: B D

Explanation:

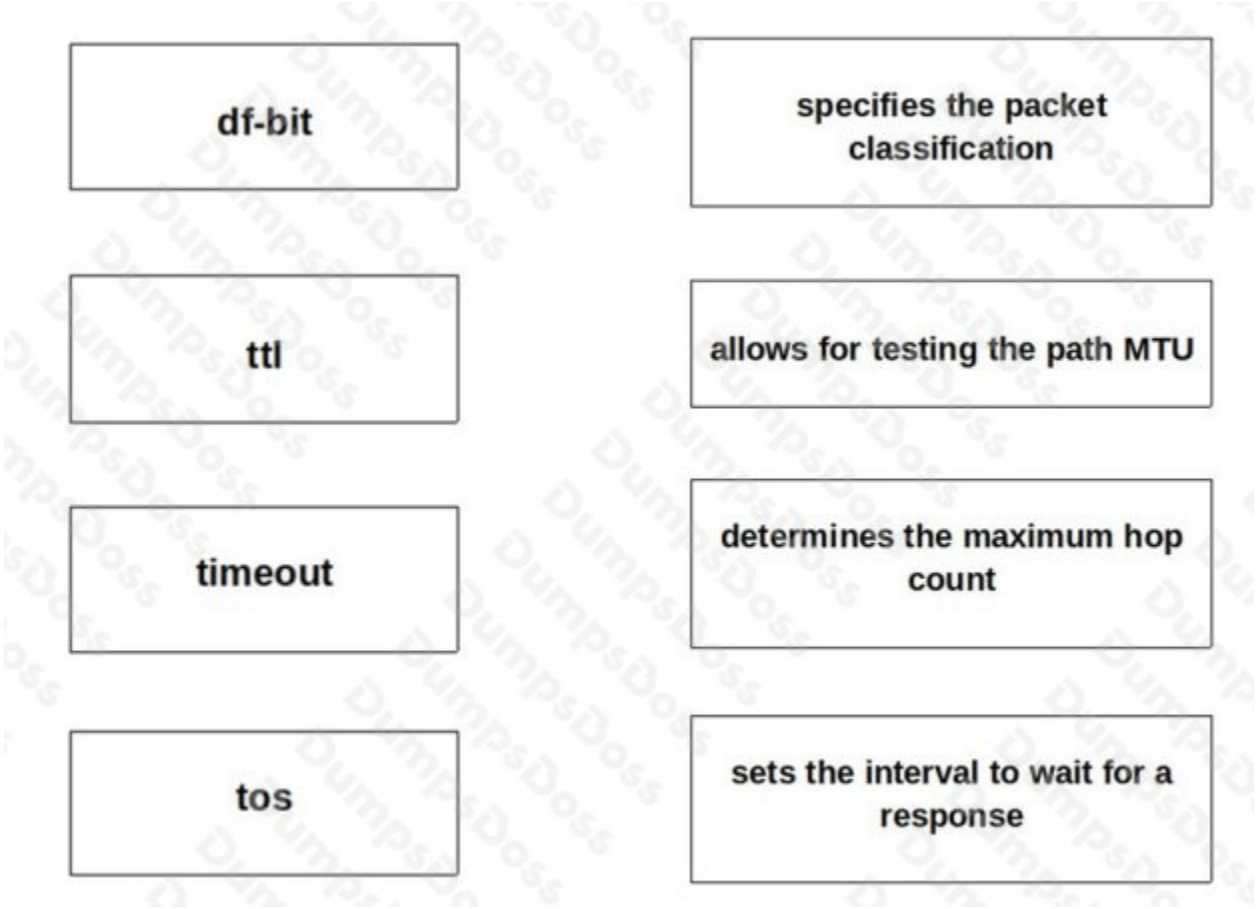
Reference: https://www.cisco.com/c/en/us/td/docs/ios/security/configuration/guide/sec_mgmt_plane_prot.html

QUESTION NO: 4 - (DRAG DROP)

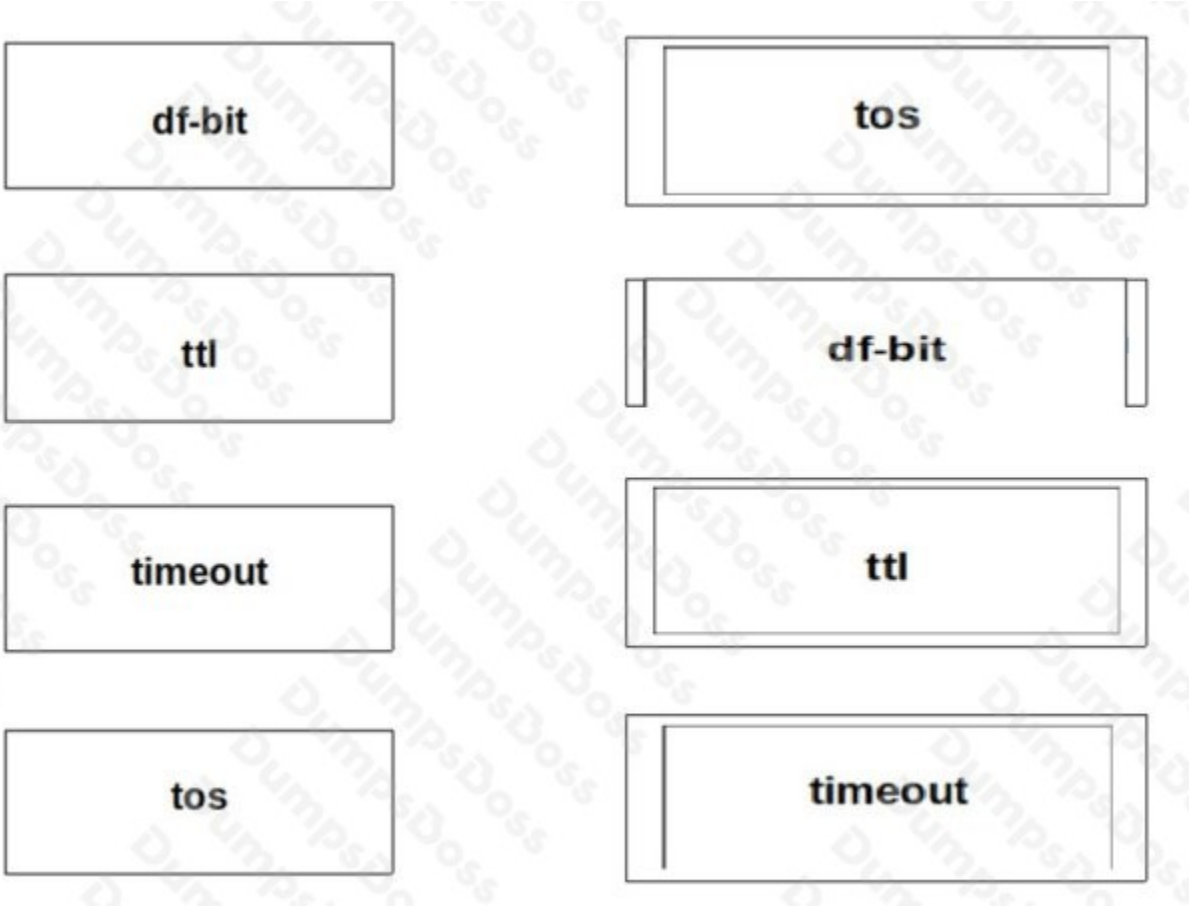
DRAG DROP

Drag the ping and traceroute extended command from the left onto the corresponding purpose on the right.

Select and Place:



ANSWER:



QUESTION NO: 5

The implementations group has been using the test bed to do a 'proof-of-concept'. After several changes to the network addressing, routing schemes, a trouble ticket has been opened indicating that the loopback address on R1 (2026::111:1) is not able to ping the loopback address on DSW2 (2026::102:1).

Use the supported commands to isolated the cause of this fault and answer the following questions. What is the solution to fault condition?

A. Under the interface Serial 0/0/0.23 configuration enter the ipv6 ospf 6 area 0 command.

B. Under the interface Serial0/0/0.12 configuration enter the ipv6 ospf 6 area 12 command.

C. Under ipv6 router ospf 6 configuration enter the network 2026::1:/122 area 0 command.

D. Under ipv6 router ospf 6 configuration enter no passive-interface default command.

ANSWER: A

Explanation:

On R2, IPV6 OSPF routing, configuration is required to add ipv6 ospf 6 area 0 under interface serial 0/0/0.23

HSRP Issue

QUESTION NO: 6

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing scheme, DHCP services, NTP services, layer 2 connectivity, FHRP services, and device security, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.

Use the supported commands to isolated the cause of this fault and answer the following questions.

On which device is the fault condition located?

A. R1

B. R2

C. R3

D. R4

E. DSW1

F. DSW2

G. ASW1

H. ASW2

ANSWER: A

Explanation:

On R1, for IPV4 authentication of OSPF the command is missing and required to configure------ ip ospf authentication message-digest

QUESTION NO: 7

You have configured the logging console critical command on a router. Which three alert types display on the console monitor? (Choose three.)

A. warning

B. alert

C. critical

D. debugging

E. notification

F. emergency

ANSWER: B C F

QUESTION NO: 8

You want to troubleshoot a GRE tunnel that is configured with an ACL. Which two tasks must you perform? (Choose two.)

A. Verify that the ACL permits TCP port 8080.

B. Verify that the ACL permits IP protocol 47.

C. Verify that the ACL permits TCP port 1723.

D. Verify that the remote device is reachable across the network.

E. Verify that the IP addresses of the physical interfaces are on the same subnet.

ANSWER: B D

QUESTION NO: 9

The implementations group has been using the test bed to do a 'proof-of-concept' that requires both Client 1 and Client 2 to access the WEB Server at 209.65.200.241. After several changes to the network addressing, routing scheme, DHCP services, NTP services, and FHRP services, a trouble ticket has been opened indicating that Client 1 cannot ping the 209.65.200.241 address.

Use the supported commands to isolated the cause of this fault and answer the following questions.

What is the solution to the fault condition?

A. In Configuration mode, using the interface port-channel 13 command, then configure switchport trunk allowed vlan none followed by switchport trunk allowed vlan 20,200 commands.

B. In Configuration mode, using the interface port-channel 13, port-channel 23, then configure switchport trunk none allowed vlan none followed by switchport trunk allowed vlan 10,200 commands.

C. In Configuration mode, using the interface port-channel 23 command, then configure switchport trunk allowed vlan none followed by switchport trunk allowed vlan 20,200 commands.

D. In Configuration mode, using the interface port-channel 23, port-channel, then configure switchport trunk allowed vlan none followed by switchport trunk allowed vlan 10,20,200 commands.

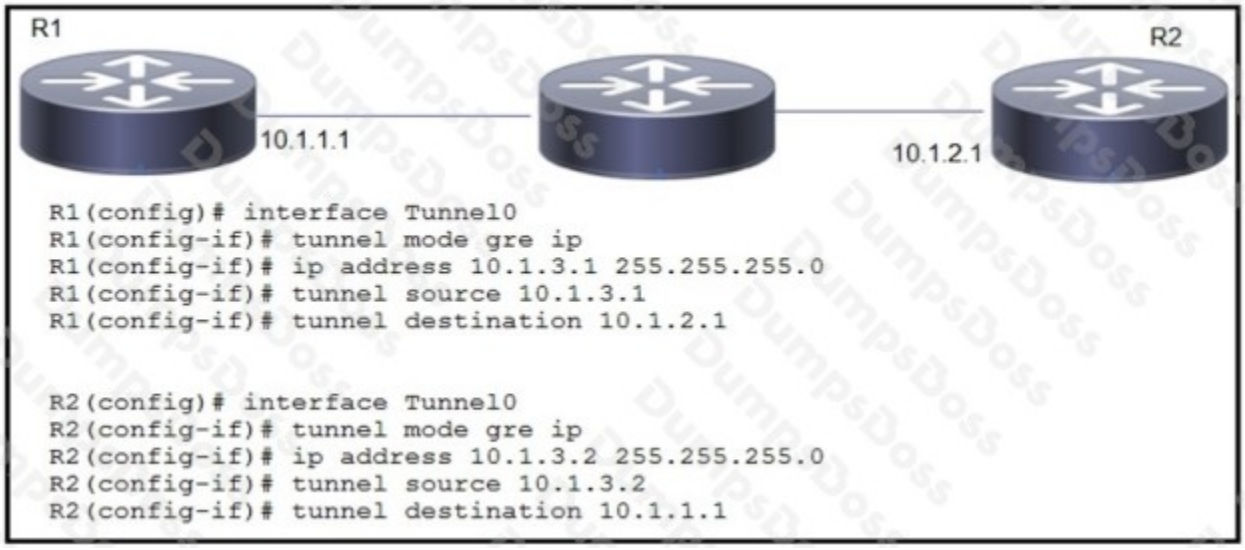
ANSWER: B

Explanation:

We need to allow VLANs 10 and 200 on the trunks to restore full connectivity. This can be accomplished by issuing the "switchport trunk allowed vlan 10,200" command on the port channels used as trunks in DSW1.

ACCESS VLAN

QUESTION NO: 10



Refer to the exhibit. The tunnel fails to come up. Which two actions resolve the issue? (Choose two.)

A. On R2, change the tunnel source to 10.1.2.1

B. On R1, change the tunnel source to 10.1.1.1.

C. On R1, change the tunnel destination to 10.1.3.2

D. On R2, change the tunnel destination to 10.1.3.1

E. On R1, change the IP address to 10.1.1.1

F. On R2, change the IP address to 10.1.2.1

ANSWER: C D