Cisco

Exam Questions 300-410

Implementing Cisco Enterprise Advanced Routing and Services (ENARSI)

NEW QUESTION 1
Refer to the exhibit.

```
config t
flow record v4_r1
match ipv4 tos
match ipv4 protocol
match ipv4 source address
match ipv4 destination address
match transport source-port
match transport destination-port
collect counter bytes long
collect counter packets long
!
flow exporter EXPORTER-1
  destination 172.16.10.2
  transport udp 90
  exit
!
flow monitor FLOW-MONITOR-1
  record v4_r1
  exit
!
ip cef
!
interface Ethernet0/0.1
  ip address 172.16.6.2 255.255.255.0
  ip flow monitor FLOW-MONITOR-1 input
!
```

Why is the remote NetFlow server failing to receive the NetFlow data?

A. The flow exporter is configured but is not used.
B. The flow monitor is applied in the wrong direction.
C. The flow monitor is applied to the wrong interface.
D. The destination of the flow exporter is not reachable.

**Answer:** D

NEW QUESTION 2
While working with software images, an engineer observes that Cisco DNA Center cannot upload its software image directly from the device. Why is the image not uploading?

A. The device must be resynced to Cisco DNA Center.
B. The software image for the device is in install mode.
C. The device has lost connectivity to Cisco DNA Center.
D. The software image for the device is in bundle mode

Answer: B

NEW QUESTION 3
Refer to the exhibit.
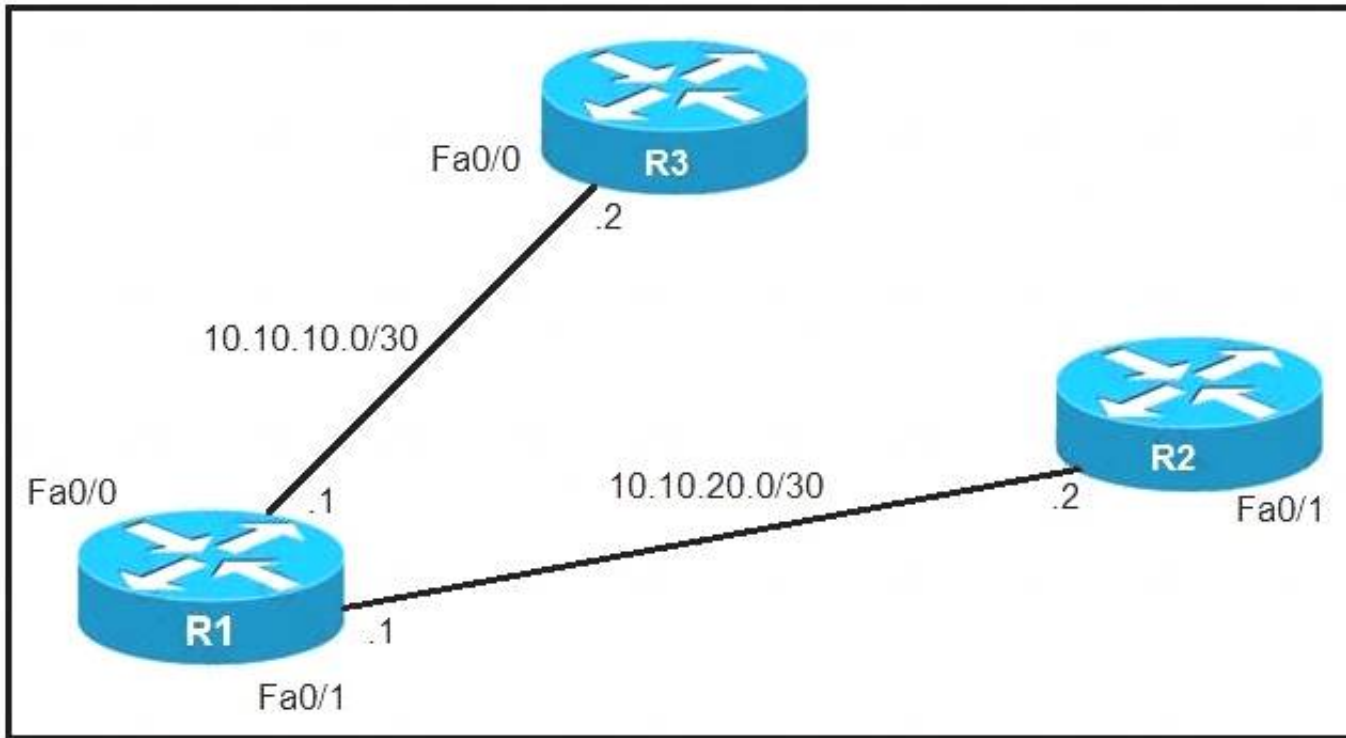
An IP SLA was configured on router R1 that allows the default route to be modified in the event that Fa0/0 loses reachability with the router R3 Fa0/0 interface. The route has changed to flow through
router R2. Which debug command is used to troubleshoot this issue?

A. debug ip flow
B. debug ip sla error
C. debug ip routing
D. debug ip packet

Answer: C

NEW QUESTION 4
Which configuration enabled the VRF that is labeled "Inet" on FastEthernet0/0?

A. R1(config)# ip vrf InetR1(config-vrf)#ip vrf FastEthernet0/0
B. R1(config)#ip vrf Inet FastEthernet0/0
C. R1(config)# ip vrf InetR1(config-vrf)#interface FastEthernet0/0 R1(config-if)#ip vrf forwarding Inet
D. R1(config)#router ospf 1 vrf InetR1(config-router)#ip vrf forwarding FastEthernet0/0

Answer: C

NEW QUESTION 5
A network engineer is investigating a flapping (up/down) interface issue on a core switch that is synchronized to an NTP server. Log output currently does not show the time of the flap. Which command allows the logging on the switch to show the time of the flap according to the clock on the device?

A. service timestamps log uptime
B. clock summer-time mst recurring 2 Sunday mar 2:00 1 Sunday nov 2:00
C. service timestamps log datetime localtime show-timezone
D. clock calendar-valid

Answer: A

NEW QUESTION 6
Drag and drop the SNMP attributes in Cisco IOS devices from the left onto the correct SNMPv2c or SNMPV3 categories on the right.

		SNMPv2c
community string		
username and password		
authentication		
no encryption		SNMPv3
privileged		
read-only		

A. Mastered
B. Not Mastered

Answer: A

Explanation:

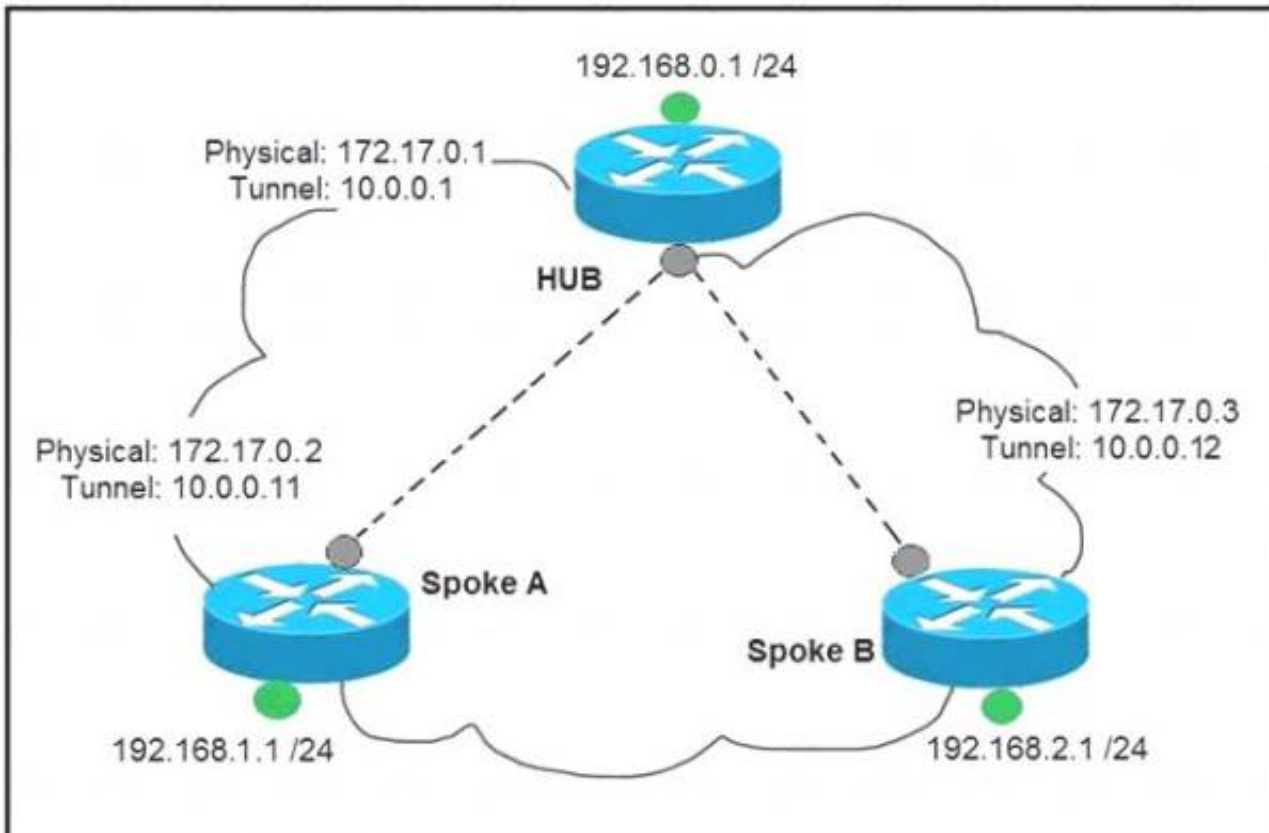|		SNMPv2c
community string		community string
username and password		no encryption
authentication		read-only
no encryption		SNMPv3
privileged		username and password
read-only		authentication
		privileged

NEW QUESTION 7
Refer to the exhibit.

Which interface configuration must be configured on the spoke A router to enable a dynamic DMVPN tunnel with the spoke B router?

A.
```
interface Tunnel0
  description mGRE – DMVPN Tunnel
  ip address 10.0.0.11 255.255.255.0
  ip nhrp map multicast dynamic
  ip nhrp network-id 1
  tunnel source 10.0.0.1
  tunnel destination FastEthernet 0/0
  tunnel mode gre multipoint
```

B.
```
interface Tunnel0
  ip address 10.0.0.11 255.255.255.0
  ip nhrp network-id 1
  tunnel source FastEthernet 0/0
  tunnel mode gre multipoint
  ip nhrp nhs 10.0.0.1
  ip nhrp map 10.0.0.1 172.17.0.1
```

C.
```
interface Tunnel0
  ip address 10.1.0.11 255.255.255.0
  ip nhrp network-id 1
  tunnel source 1.1.1.10
  ip nhrp map 10.0.0.11 172.17.0.2
  tunnel mode gre
```

D.
```
interface Tunnel0
  ip address 10.0.0.11 255.255.255.0
  ip nhrp map multicast static
  ip nhrp network-id 1
  tunnel source 10.0.0.1
  tunnel mode gre multipoint
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 8
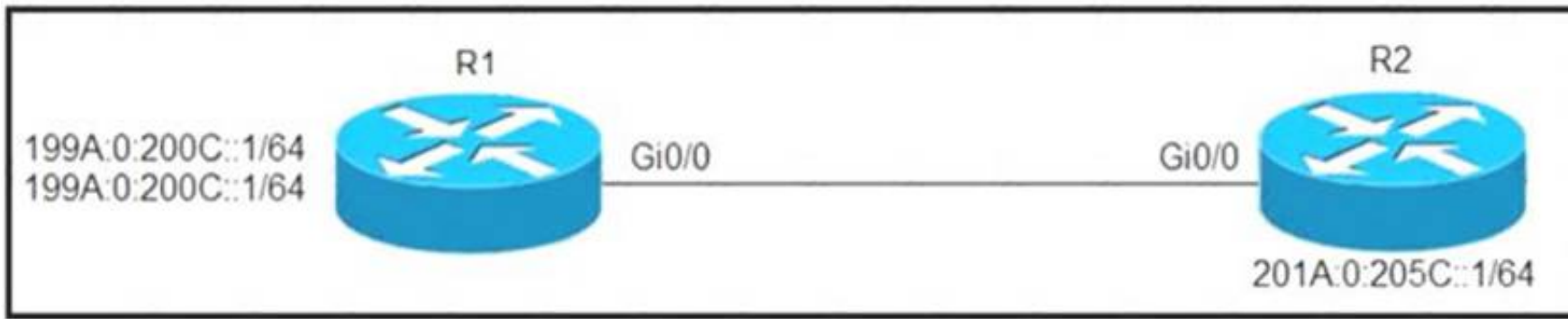Which command displays the IP routing table information that is associated with VRF-Lite?

A. show ip vrf
B. show ip route vrf
C. show run vrf
D. show ip protocols vrf

Answer: B

NEW QUESTION 9
Refer to the exhibit.

Which configuration denies Telnet traffic to router 2 from 198A:0:200C::1/64?

A. ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
   201A:0:205C::1/64 eq telnet
   !
   int Gi0/0
     ipv6 traffic-filter Deny_Telnet in
   !

B. ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
   201A:0:205C::1/64 eq telnet
   !
   int Gi0/0
     ipv6 access-map Deny_Telnet in
   !

C. ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
   201A:0:205C::1/64
   !
   int Gi0/0
     ipv6 access-map Deny_Telnet in
   !

D. ipv6 access-list Deny_Telnet sequence 10 deny tcp host 198A:0:200C::1/64 host
   201A:0:205C::1/64
   !
   int Gi0/0
     ipv6 traffic-filter Deny_Telnet in
   !

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 10
Refer to the exhibit.

```
R1#show running-config | section dhcp
ip dhcp excluded-address 192.168.1.1 192.168.1.49
ip dhcp pool DHCP
    network 192.168.1.0 255.255.255.0
    default-router 192.168.1.1
    dns-server 8.8.8.8
    lease 0 12
```

Users report that IP addresses cannot be acquired from the DHCP server. The DHCP
server is configured as shown. About 300 total nonconcurrent users are using this DHCP server, but none of them are active for more than two hours per day.
Which action fixes the issue within the current resources?

A. Modify the subnet mask to the network 192.168.1.0 255.255.254.0 command in the DHCP pool

B. Configure the DHCP lease time to a smaller value
C. Configure the DHCP lease time to a bigger value
D. Add the network 192.168.2.0 255.255.255.0 command to the DHCP pool

Answer: B

NEW QUESTION 10
Refer to the exhibit.

```
R1(config) # do show running-config | section line|username
username cisco secret 5 $1$yb/o$L3G5cXODxpYMSJ70PzEyo0
line con 0
  logging synchronous
line vty 0 4
  login local
  transport input telnet
R1(config) # logging console 7
R1(config) # do debug aaa authentication
R1(config) #
```

An administrator that is connected to the console does not see debug messages when
remote users log in. Which action ensures that debug messages are displayed for remote logins?

A. Enter the transport input ssh configuration command.
B. Enter the terminal monitor exec command.
C. Enter the logging console debugging configuration command.
D. Enter the aaa new-model configuration command.

Answer: B

NEW QUESTION 12
Refer to the exhibit.

```
R1#show policy-map control-plane
 Control Plane
        Service-policy input: CoPP-BGP
        Class-map: BGP (match all)
          2716 packets, 172071 bytes
          5 minute offered rate 0000 bps, drop rate 0000 bps
          Match: access-group name BGP
          drop

        Class-map: class-default (match-any)
          5212 packets, 655966 bytes
          5 minute offered rate 0000 bps, drop rate 0000 bps
          Match: any
```

What is the result of applying this configuration?

A. The router can form BGP neighborships with any other device.
B. The router cannot form BGP neighborships with any other device.
C. The router cannot form BGP neighborships with any device that is matched by the access list named "BGP".
D. The router can form BGP neighborships with any device that is matched by the access list named "BGP".

Answer: D

NEW QUESTION 13
Refer to the exhibit.

```
access-list 100 deny tcp any any eq 465
access-list 100 deny tcp any eq 465 any
access-list 100 permit tcp any any eq 80
access-list 100 permit tcp any eq 80 any
access-list 100 permit udp any any eq 443
access-list 100 permit udp any eq 443 any
```

During troubleshooting it was discovered that the device is not reachable using a secure web browser. What is needed to fix the problem?

A. permit tcp port 443
B. permit udp port 465

C. permit tcp port 465
D. permit tcp port 22

Answer: A

NEW QUESTION 16
When provisioning a device in Cisco DNA Center, the engineer sees the error message "Cannot select the device. Not compatible with template".
What is the reason for the error?

A. The template has an incorrect configuration.
B. The software version of the template is different from the software version of the device.
C. The changes to the template were not committed.
D. The tag that was used to filter the templates does not match the device tag.

Answer: B

NEW QUESTION 17
What is a prerequisite for configuring BFD?

A. Jumbo frame support must be configured on the router that is using BFD.
B. All routers in the path between two BFD endpoints must have BFD enabled.
C. Cisco Express Forwarding must be enabled on all participating BFD endpoints.
D. To use BFD with BGP, the timers 3 9 command must first be configured in the BGP routing process.

Answer: C

NEW QUESTION 18
Refer to the exhibit.
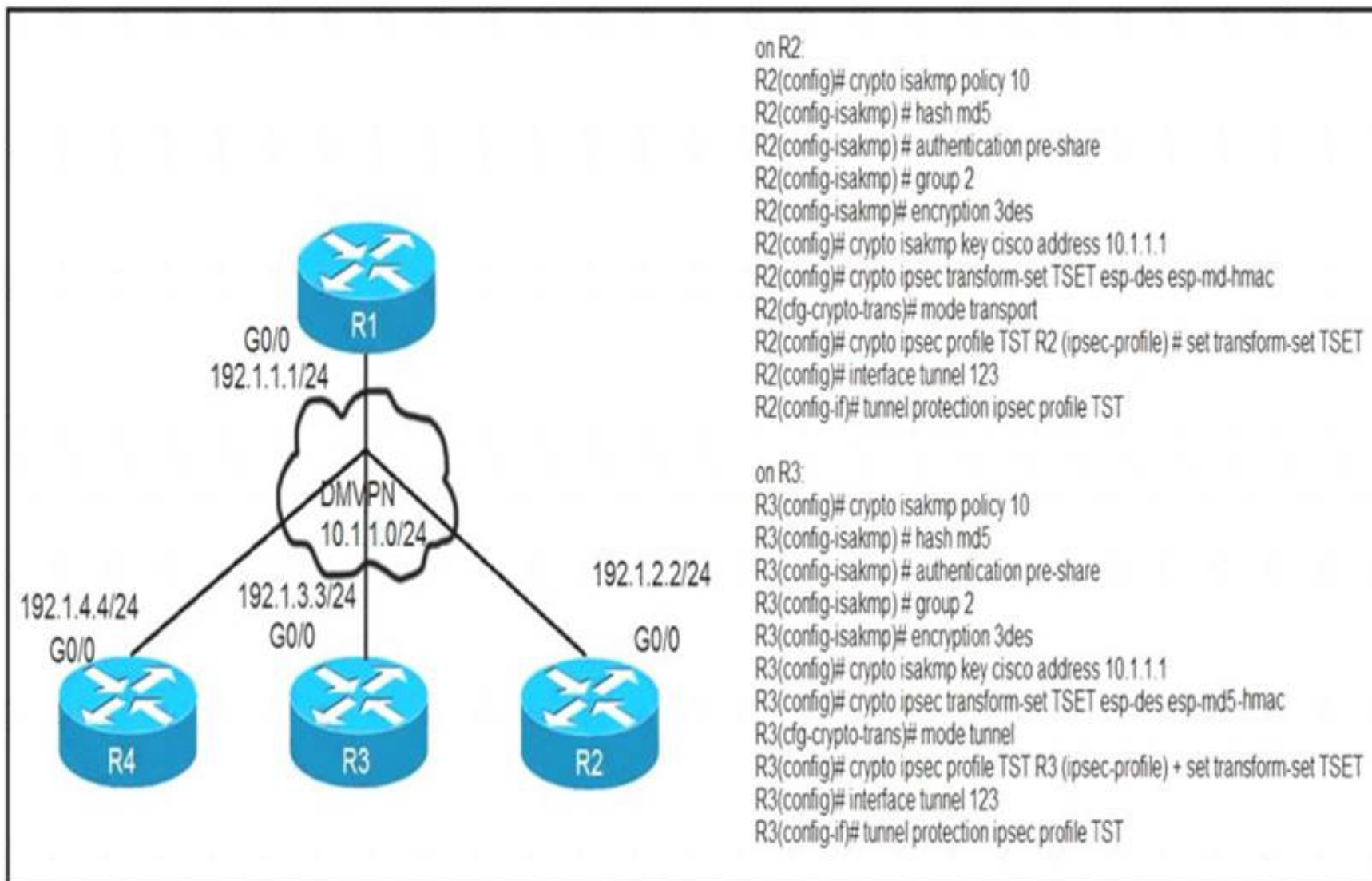
After applying IPsec, the engineer observed that the DMVPN tunnel went down, and both
spoke-to-spoke and hub were not establishing. Which two actions resolve the issue? (Choose two.)
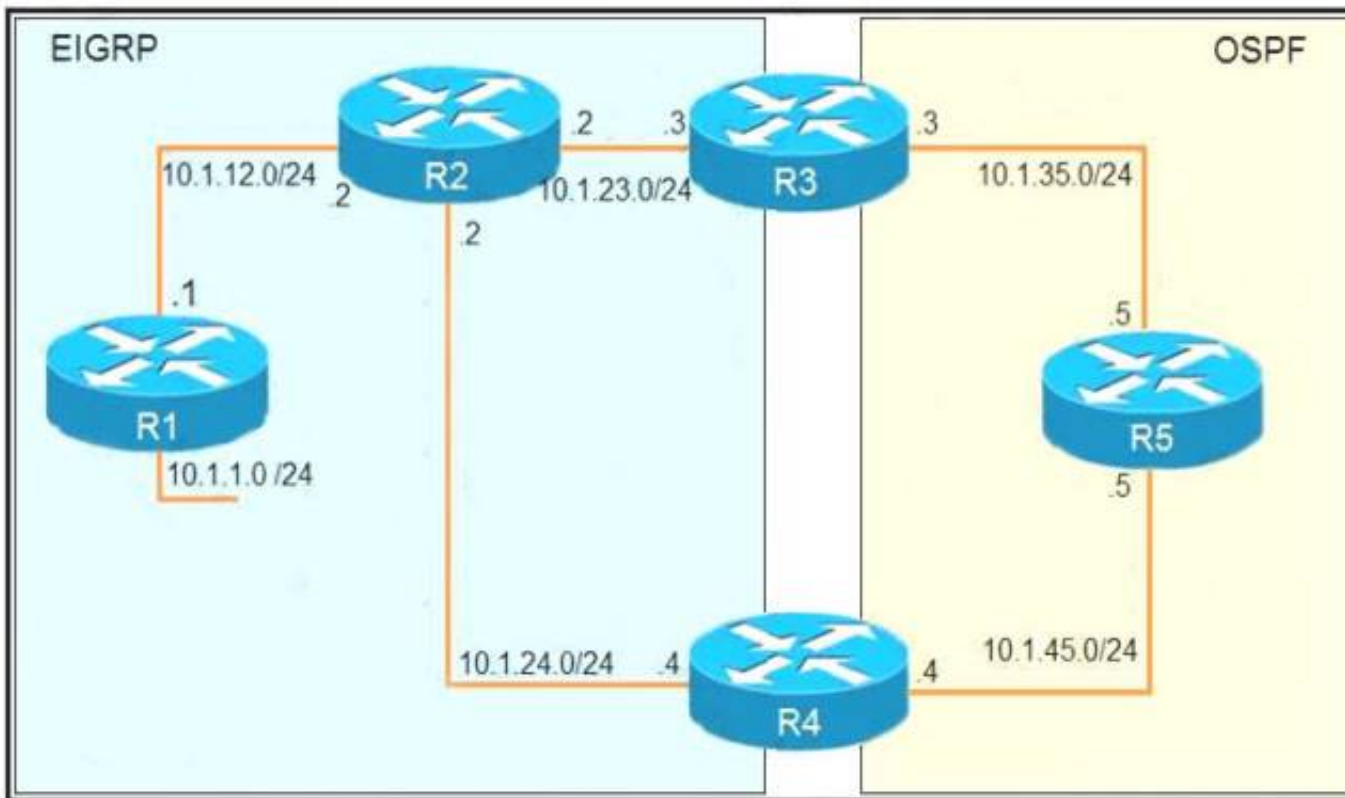
A. Change the mode from mode tunnel to mode transport on R3.
B. Remove the crypto isakmp key cisco address 10.1.1.1 on R2 and R3.
C. Configure the crypto isakmp key cisco address 192.1.1.1 on R2 and R3.
D. Configure the crypto isakmp key cisco address 0.0.0.0 on R2 and R3.
E. Change the mode from mode transport to mode tunnel on R2.

Answer: AD

NEW QUESTION 21
Refer to the exhibit.

```
EIGRP                                                              OSPF

                              .2    .3        .3
10.1.12.0/24    R2          10.1.23.0/24  R3      10.1.35.0/24
             2        .2

    .1                                                    .5
                                                        R5
  R1                                                     .5
10.1.1.0 /24

    10.1.24.0/24    .4          .4    10.1.45.0/24
                              R4
```

```
R1
router eigrp 1
  redistribute connected
  network 10.1.12.1 0.0.0.0

R3
router ospf 1
  redistribute eigrp 1 subnets
  network 10.1.35.3 0.0.0.0 area 0

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500
!
router ospf 1
  network 10.1.45.4 0.0.0.0 area 0

R5#traceroute 10.1.1.1

Type escape sequence to abort.
Tracing the route to 10.1.1.1

1 10.1.35.3 80 msec 44 msec 20 msec
2 10.1.23.2 44 msec 104 msec 64 msec
3 10.1.24.4 44 msec 64 msec 40 msec
4 10.1.45.5 24 msec 40 msec 20 msec
5 10.1.35.3 92 msec 144 msec 148 msec
6 10.1.23.2 108 msec 76 msec 80 msec
            <output truncuated>
```

The output of the trace route from R5 shows a loop in the network. Which configuration prevents this loop?

A)

```
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
  match tag 1
!
route-map FILTER-TAG permit 20
```

B)

R3
router eigrp 1
  redistribute OSPF 1 route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
  network 10.1.24.4 0.0.0.0
!
route-map FILTER-TAG deny 10
  match tag 1
!
route-map FILTER-TAG permit 20

C)
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG permit 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG permit 10
  match tag 1

D)
R3
router ospf 1
  redistribute eigrp 1 subnets route-map SET-TAG
!
route-map SET-TAG deny 10
  set tag 1

R4
router eigrp 1
  redistribute ospf 1 metric 2000000 1 255 1 1500 route-map FILTER-TAG
!
route-map FILTER-TAG deny 10
  match tag 1

A. Option A
B. Option B
C. Option C
D. Option D

Answer: B

NEW QUESTION 24
Which statement about route distinguishers in an MPLS network is true?

A. Route distinguishers allow multiple instances of a routing table to coexist within the edge router.
B. Route distinguishers are used for label bindings.
C. Route distinguishers make a unique VPNv4 address across the MPLS network.
D. Route distinguishers define which prefixes are imported and exported on the edge router.

Answer: C

NEW QUESTION 25
Which command allows traffic to load-balance in an MPLS Layer 3 VPN configuration?

A. multi-paths eibgp 2
B. maximum-paths 2
C. maximum-paths ibgp 2
D. multi-paths 2

Answer: B

NEW QUESTION 28
Drag and drop the packet types from the left onto the correct descriptions on the right.

data plane packets	user-generated packets that are always forwarded by network devices to other end-station devices
control plane packets	network device generated or received packets that are used for the creation of the network itself
management plane packets	network device generated or received packets; packets that are used to operate the network
services plane packets	user-generated packets that are forwarded by network devices to other end-station devices, but that require higher priority than the normal traffic by the network devices

A. Mastered
B. Not Mastered

Answer: A

Explanation:

data plane packets	data plane packets
control plane packets	control plane packets
management plane packets	management plane packets
services plane packets	services plane packets

NEW QUESTION 31
Refer to the exhibit.

```
Router#show running-config | include ip route
ip route 192.168.2.2 255.255.255.255 209.165.200.225 130
Router#show ip route

<output omitted>

Gateway of last resort is not set

        192.168.1.0/32 is subnetted, 1 subnets
C          192.168.1.1 is directly connected, Loopback0
        192.168.2.0/32 is subnetted, 1 subnets
O          192.168.2.2[110/11] via 192.168.12.2, 00:52:09, Ethernet0/0
        192.168.12.0/24 is variably subnetted, 2 subnets, 2 masks
C          192.168.12.0/24 is directly connected, Ethernet0/0
L          192.168.12.1/32 is directly connected, Ethernet0/0
        209.165.200.0/24 is variably subnetted, 2 subnets, 2 masks
C          209.165.200.0/24 is directly connected, Ethernet0/1
           209.165.200.226/32 is directly connected, Ethernet0/1
```

An engineer configures a static route on a router, but when the engineer checks the route to the destination, a different next hop is chosen. What is the reason for this?

A. Dynamic routing protocols always have priority over static routes.
B. The metric of the OSPF route is lower than the metric of the static route.
C. The configured AD for the static route is higher than the AD of OSPF.
D. The syntax of the static route is not valid, so the route is not considered.

Answer: C

NEW QUESTION 36
Refer to the exhibit.

```
Cat3850-Stack-2# show policy-map

Policy Map LIMIT_BGP
  Class BGP
   drop

Policy Map SHAPE_BGP
  Class BGP
    Average Rate Traffic Shaping
    cir 10000000 (bps)

Policy Map POLICE_BGP
  Class BGP
    police cir 1000k bc 1500
      conform-action transmit
      exceed-action transmit

Policy Map COPP
  Class BGP
    police cir 1000k bc 1500
      conform-action transmit
      exceed-action drop
```

Which control plane policy limits BGP traffic that is destined to the CPU to 1 Mbps and ignores BGP traffic that is sent at higher rate?

A. policy-map SHAPE_BGP
B. policy-map LIMIT_BGP
C. policy-map POLICE_BGP
D. policy-map COPP

Answer: D

NEW QUESTION 38
Drag and drop the OSPF adjacency states from the left onto the correct descriptions on the right.

Init	Each router compares the DBD packets that were received from the other router.
2-way	Routers exchange information with other routers in the multiaccess network.
Down	The neighboring router requests the other routers to send missing entries.
Exchange	The network has already elected a DR and a backup BDR.
ExStart	The OSPF router ID of the receiving router was not contained in the hello message.
Loading	No hellos have been received from a neighbor router.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Init	Exchange
2-way	2-way
Down	Loading
Exchange	ExStart
ExStart	Init
Loading	Down
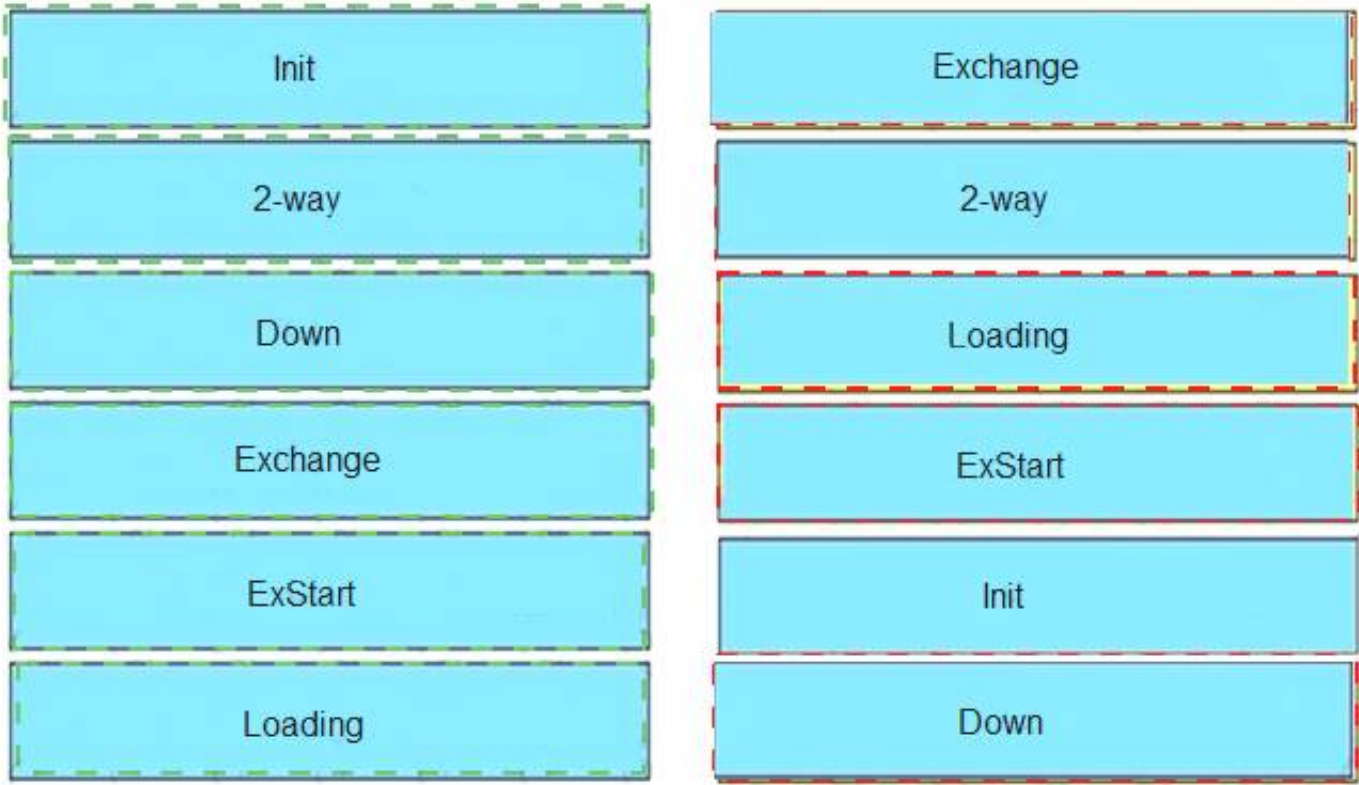
NEW QUESTION 41
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