

## 350-501 Dumps

# Implementing and Operating Cisco Service Provider Network Core Technologies

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**NEW QUESTION 1**

Which component is similar to an EVPN instance?

- A. router distinguisher
- B. MPLS label
- C. IGP router ID
- D. VRF

**Answer: D**

**NEW QUESTION 2**

Which statement about the Cisco MPLS TE forwarding adjacency feature is true?

- A. It enables the MPLS core to use EIGRP as the routing protocol.
- B. It enables the Cisco MPLS TE tunnel to be advertised into the running IGP.
- C. It enables the tailend router to advertise routes to the headend router over the tunnel.
- D. It enables the headend and tailend routers to establish a bidirectional tunnel.

**Answer: B**

**NEW QUESTION 3****Router 1:**

```
ip route 192.168.1.0 255.255.255.0 null 0 tag 1
```

```
route-map ddos
```

```
match tag 1
```

```
set local preference 150
```

```
set community no export
```

```
route-map ddos permit 20
```

```
router bgp 65513
```

```
redistribute static route-map ddos
```

**Router 2:**

```
Interface gigabitethernet0/1
```

```
ip verify unicast reverse-path
```

Refer to the exhibit. An engineer is preparing to implement data plane security configuration. Which statement about this configuration is true?

- A. Router 2 is the router receiving the DDoS attack.
- B. Router 1 must be configured with uRPF for the RTBH implementation to be effective.
- C. Router 1 is the trigger router in a RTBH implementation.
- D. Router 2 must configure a route to null 0 for network 192.168.1.0/24 for the RTBH implementation to be complete.

**Answer: A**

**NEW QUESTION 4**

Which configuration modifies Local Packet Transport Services hardware policies?

- A. 

```
configure
lpts police
exception invalid rate 400
protocol cdp rate 50
protocol arp rate 5000
```
- B.

```
configure
lpts pifib police hardware
flow ospf unicast default rate 200
flow bgp configured rate 200
flow bgp default rate 100
!
lpts pifib police hardware location 0/2
flow ospf unicast default rate 100
flow bgp configured rate 300
flow icmp application rate 100
flow icmp default rate 100
!
```

- C. **configure**  
lpts pifib hardware police  
flow ospf unicast default rate 200  
flow bgp configured rate 200  
flow bgp default rate 100  
!  
lpts pifib hardware police location 0/2/CPU0  
flow ospf unicast default rate 100  
flow bgp configured rate 300  
flow icmp application rate 100  
flow icmp default rate 100  
!
- D. **configure**  
lpts punt police location 0/0/CPU0  
exception invalid rate 400  
protocol cdp rate 50  
protocol arp rate 5000  
protocol ipv4 options rate 100  
exception icmp rate 200

Answer: C

#### NEW QUESTION 5

Which configuration enables BGP FlowSpec client function and installation of policies on all local interfaces?

- A. flowspec address- family ipv4 local-install interface-all  
B. flowspec address- family ipv4 install interface-all local  
C. flowspec address- family ipv4 install interface-all  
D. flowspec address- family ipv4 local-install all-interface

Answer: A

#### NEW QUESTION 6

```
PE-A#show ip bgp vpnv4 vrf Customer-A neighbors 10.10.10.2 routes
BGP table version is 13148019, local router ID is 10.10.10.10
Status codes: s suppressed, d damped, h history, * valid, > best, i - internal,
               r RIB-failure, S Stale, m multipath, b backup-path, f RT-Filter,
               x best-external, a additional-path, c RIB-compressed,
Origin codes: i - IGP, e - EGP, ? - incomplete
RPKI validation codes: V valid, I invalid, N Not found

   Network          Next Hop          Metric LocPrf Weight Path
Route Distinguisher: 65000:1111 (default for vrf Customer-A)
*>  192.168.0/19     10.10.10.2           0           0 4282 65001 ?
*>  192.168.0/17     10.10.10.2           0           0 4282 65001 ?
*>  192.168.0/16     10.10.10.2           0           0 4282 65001 ?

Total number of prefixes 5

PE-A#config t
Enter configuration commands, one per line. End with CNTL/Z.
PE-A(config)#ip prefix-list ALLOW permit 192.168.0.0/16 ge 17 le 19
PE-A(config)#router bgp 65000
PE-A(config-router)#address-family ipv4 vrf Customer-A
PE-A(config-router-af)#neighbor 10.10.10.2 prefix-list ALLOW in
```

Refer to the exhibit. Which three outcomes occur if the prefix list is added to the neighbor? (Choose three.)

- A. 192.168.0.0/16 is denied.  
B. 192.168.0.0/16 is permitted.  
C. 192.168.0.0/19 is permitted  
D. 192.168.0.0/19 is denied.  
E. 192.168.0.0/17 is permitted

F. 192.168.0.0/17 is denied.

**Answer:** ACF

#### NEW QUESTION 7

```
R1
router ospf 1
  area 2 stub no-summary

R2
router ospf 1
  area 3 nssa
```

Refer to the exhibit. In which way does router R1 operate differently than router R2?

- A. R1 sends LSA types 5 and 7, while R2 sends type 1, 2, and 7 LSAs.
- B. R1 sends LSA type 2 only, while R2 sends type 1 and type 7 LSAs.
- C. R1 sends LSA type 2 only and R2 sends LSA type 1 only.
- D. R1 sends LSA types 1 and 2, while R2 sends type 1,2, and 7 LSAs.

**Answer:** D

#### NEW QUESTION 8

```
R1
router isis
  net 52.0011.0000.0000.0001.00
  is-type level-2

interface gigabitethernet0/1
  ip address 192.168.0.1 255.255.255.0
  ip router isis

R2
router isis
  net 52.0022.0000.0000.0002.00
  is-type level-1

interface gigabitethernet0/1
  ip address 192.168.0.2 255.255.255.0
  ip router isis
```

Refer to the exhibit. Which statement about the status of the neighbor relationship between R1 and R2 is true?

- A. The neighbor relationship is down because the two routers are configured with different area types.
- B. The neighbor relationship is down because the two routers are in the same subnet.
- C. The neighbor relationship is up because R2 is level 1 and level 2 router.
- D. The neighbor relationship is down because R2 is operating as a Level 1 router and the two routers are in different areas.

**Answer:** A

#### NEW QUESTION 9

<pre>PE-A ! interface FastEthernet0/0   ip address 10.10.10.1 255.255.255.252   ip ospf authentication null   ip ospf 1 area 0   duplex full end  ! router ospf 1   log-adjacency-changes   passive-interface Loopback0   network 10.10.10.0 0.0.0.3 area 0   default-metric 200 !</pre>	<pre>PE-B ! interface FastEthernet0/0   ip address 10.10.10.2 255.255.255.252   ip ospf authentication null   ip mtu 1400   ip ospf 1 area 0   duplex half end !</pre> <pre>R1#sho run   b router ospf router ospf 1   log-adjacency-changes   passive-interface Loopback10   network 10.10.10.0 0.0.0.255 area 0   default-metric 100</pre>
--	--

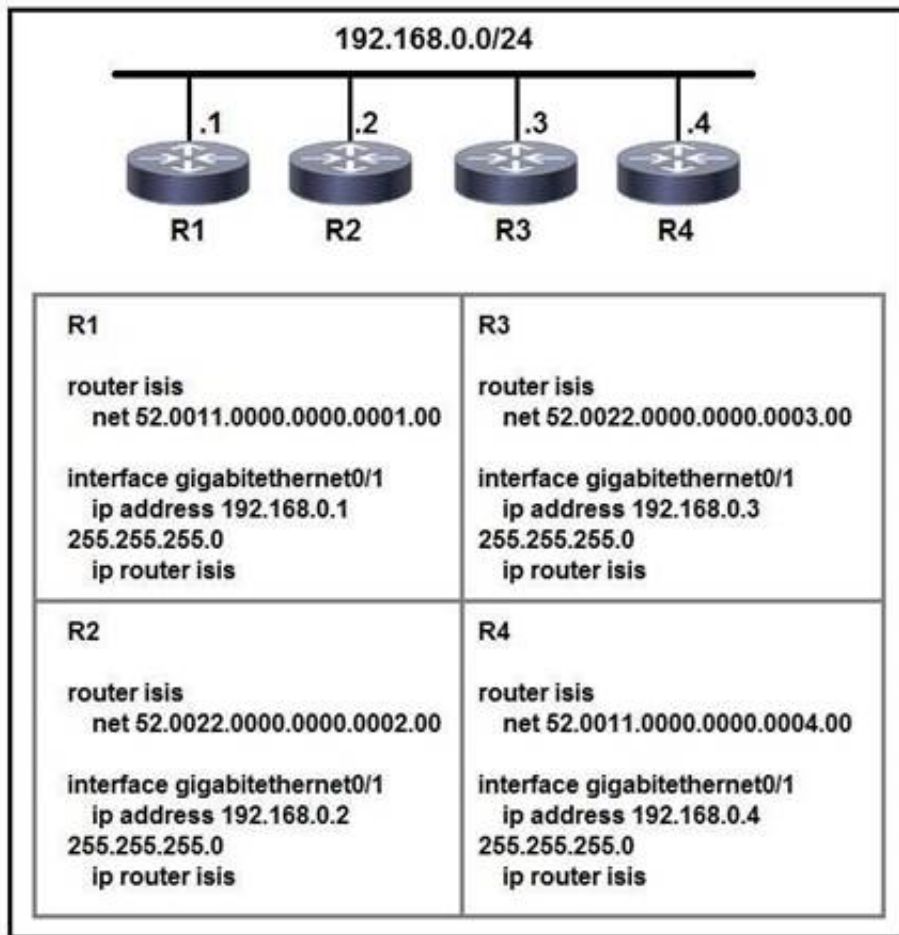
Refer to the exhibit. Which configuration prevents the OSPF neighbor from establishing?

- A. default-metric
- B. duplex
- C. network statement
- D. mtu

**Answer:** D

#### NEW QUESTION 10





Refer to the exhibit. Which two statements about the IS-IS topology are true? (Choose two.)

- A. R1 and R4 are Level 2 neighbors.
- B. All four routers are operating as Level 1-2 routers.
- C. All four routers are operating as Level 2 routers only.
- D. All four routers are operating as Level 1 routers only.
- E. R1 and R2 are Level 2 neighbors.

**Answer:** AB

#### NEW QUESTION 10

```
PE-A#config t
PE-A(config)#interface FastEthernet0/0
PE-A(config-if)#ip ospf message-digest-key 1 md5 44578611
PE-A(config-if)#ip ospf authentication message-digest

PE-B#config t
PE-B(config)#interface FastEthernet0/0
```

Refer to the exhibit. An engineer wants to authenticate the OSPF neighbor between PE-A and PE-B using MD5. Which command on PE-B successfully completes the configuration?

- A. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication null
- B. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication key-chain 44578611
- C. PE-B(config-if)#ip ospf message-digest-key 1 md5 44568611 PE-B(config-if)#ip ospf authentication null
- D. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication message-digest

**Answer:** D

#### NEW QUESTION 11

```
mpls label protocol ldp
mpls ldp router-id loopback 0
mpls ip
ip cef
```

Refer to the exhibit. A network operator working for service provider with an employee id: 1234:56:789 applied this configuration to a router. Which additional step should the engineer use to enable LDP?

- A. Enable MPLS LDP on the interface.
- B. Disable Cisco Express Forwarding globally.
- C. Delete the static router ID.
- D. Configure the both keyword to enable LDP globally.

**Answer:** A

#### NEW QUESTION 14

Which utility can you use to locate MPLS faults?

- A. MPLS LSP ping
- B. QoS
- C. MPLS traceroute

D. EEM

**Answer:** C

#### NEW QUESTION 18

```
RP/0/RSP0/CPU0:JFK-PE#show mpls ldp bindings 192.168.10.10/32
Fri Nov 11 21:02:33.124 UTC
192.168.10.10/32, rev 2
  Local bindings: label: ImpNull
  Remote bindings: (2 peers)
    Peer          Label
    -----
    10.10.10.2:0   562656
    10.10.10.5:0   378337
```

Refer to the exhibit. After implementing a new design for the network, a technician reviews the pictures CLI output as part of the MOP. Which two elements describe what the technician can ascertain from the ImpNull output? (Choose two.)

- A. Ultimate Hop Popping is in use for the prefix displayed.
- B. Penultimate Hop Popping is in use for the prefix displayed.
- C. Label 0 is used for the prefix displayed, but will not be part of the MPLS label stack for packets destined for 192.168.10.10.
- D. Label 3 is in use for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10.
- E. Label 0 is used for the prefix displayed and will be part of the MPLS label stack for packets destined for 192.168.10.10.

**Answer:** BE

#### NEW QUESTION 19

A regional MPLS VPN provider operates in two regions and wants to provide MPLS L3VPN service for a customer with two sites in these separate locations. The VPN provider approaches another organization to provide backbone carrier services so that the provider can connect to these two locations. Which statement about this scenario is true?

- A. When edge routers at different regional sites are connected over the global carrier backbone, MP-eBGP must run between the routers to exchange the customer VPNv4 routes.
- B. When eBGP is used for label exchange using the send-label option, MPLS-BGP forwarding is configured under the global ABC CSC PE-to-CE interface.
- C. When BGP is used for both route and label exchange, the neighbor a.b.c.d send-label command is used under the address-family VPNv4 command mode.
- D. When IGP is used for route exchange and LDP for label exchange, MPLS is enabled only on the VRF interface on the backbone-carrier PE side.

**Answer:** B

#### NEW QUESTION 22

```
route-policy ciscotest
  if destination in acl10 then
    pass
  else
    set local-preference 300
  endif
end-policy end
```

Refer to the exhibit. A network engineer is implementing a BGP routing policy. Which effect of this configuration is true?

- A. All traffic that matches acl10 is allowed without any change to its local-preference.
- B. All traffic that matches acl10 is dropped without any change to its local-preference.
- C. If traffic matches acl10, it is allowed and its local-preference is set to 300.
- D. All traffic is assigned a local-preference of 300 regardless of its destination.

**Answer:** A

#### NEW QUESTION 27

Refer to the exhibit. Which command is used to complete this configuration for QoS class-based marking?

- A. PE-A(config-pmap-c)#set dscp ef
- B. PE-A(config-pmap-c)#priority
- C. PE-A(config-pmap-c)#random-detect
- D. PE-A(config-pmap-c)#fair-queue

**Answer:** A

#### NEW QUESTION 29

How can a network administrator secure rest APIs?

- A. They can have a general administrator login for multiple users to access that has command entries logged.
- B. They can authenticate user sessions and provide the appropriate privilege level.
- C. They can ensure that user sessions are authenticated using TACACS+ only.
- D. They can allow read and write privileges to all users.

**Answer:** B

**NEW QUESTION 34**

What is the difference between SNMP and model- driven telemetry?

- A. SNMP uses the YANG data modeling language.
- B. Telemetry uses traps and inform messages to deliver data to a network administrator on a polling basis.
- C. Telemetry allows for modeled network data to be pushed to the network administrator on an as-needed basis.
- D. SNMP pushes network data to the network administrator whenever it is queried.

**Answer:** C

**NEW QUESTION 39**

**POST https://router1:8000/api/mo/uni/Descriptions.xml**

Refer to the exhibit. What does the REST API command do?

- A. It removes the information identified by Descriptions.xml.
- B. It executes the information specified in Descriptions.xml.
- C. It retrieves the information requested by Descriptions.xml.
- D. It displays the information identified by Descriptions.xml.

**Answer:** C

**NEW QUESTION 40**

**<tag/>**

Refer to the exhibit. What does this value mean when it is received in XML?

- A. It indicates a value assigned by a network administrator to tag a route.
- B. It indicates a break in a sequence.
- C. It means a data field is blank.
- D. It shows the ending of the script.

**Answer:** D

**NEW QUESTION 42**

What do Ansible and SaltStack have in common?

- A. They both have agents running on the client machine.
- B. They both can be designed with more than one master server.
- C. They both use DSL configuration language.
- D. They both use YAML configuration language.

**Answer:** D

**NEW QUESTION 47**

```
telemetry model-driven
sensor-group cisco
sensor-path Cisco-IOS-XR-infra-statsd-oper:infra-statistics/interfaces/interface/latest/generic-counters
commit
```

Refer to the exhibit. This configuration is being applied on an IOS XR route. Which statement about this configuration is true?

- A. It is used to create a sensor-group and has a list of YANG models for streaming.
- B. It is used to create a subscription to specify the streaming interval.
- C. It is used to identify MIB entries and has a list of YANG models.
- D. It is used to identify traps for SNMP polling.

**Answer:** A

**NEW QUESTION 51**

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