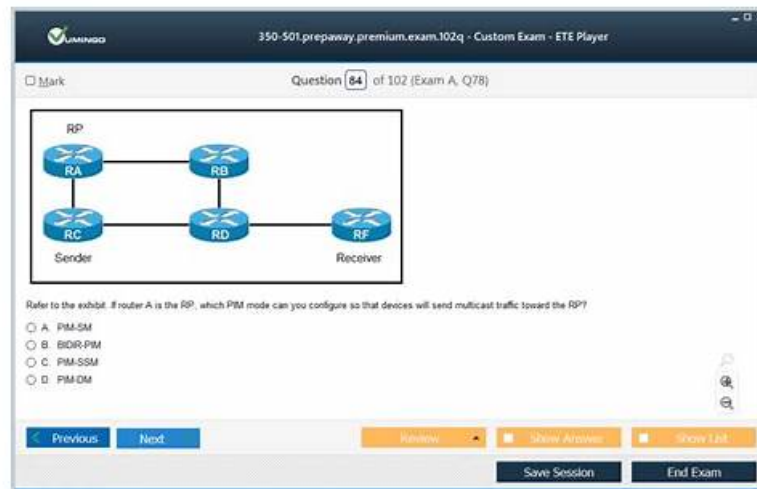


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Our objective is to make Cisco 350-501 test preparation process of every aspirant smooth. Therefore, we have introduced three formats of our Implementing and Operating Cisco Service Provider Network Core Technologies 350-501 Exam Questions. To ensure the best quality of each format, we have tapped the services of experts. They thoroughly analyze Implementing and Operating Cisco Service Provider Network Core Technologies 350-501 Exam's content, Cisco 350-501 past tests, and add the 350-501 real exam questions in our three formats.

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- Specifying the purpose of Network Services Orchestration;
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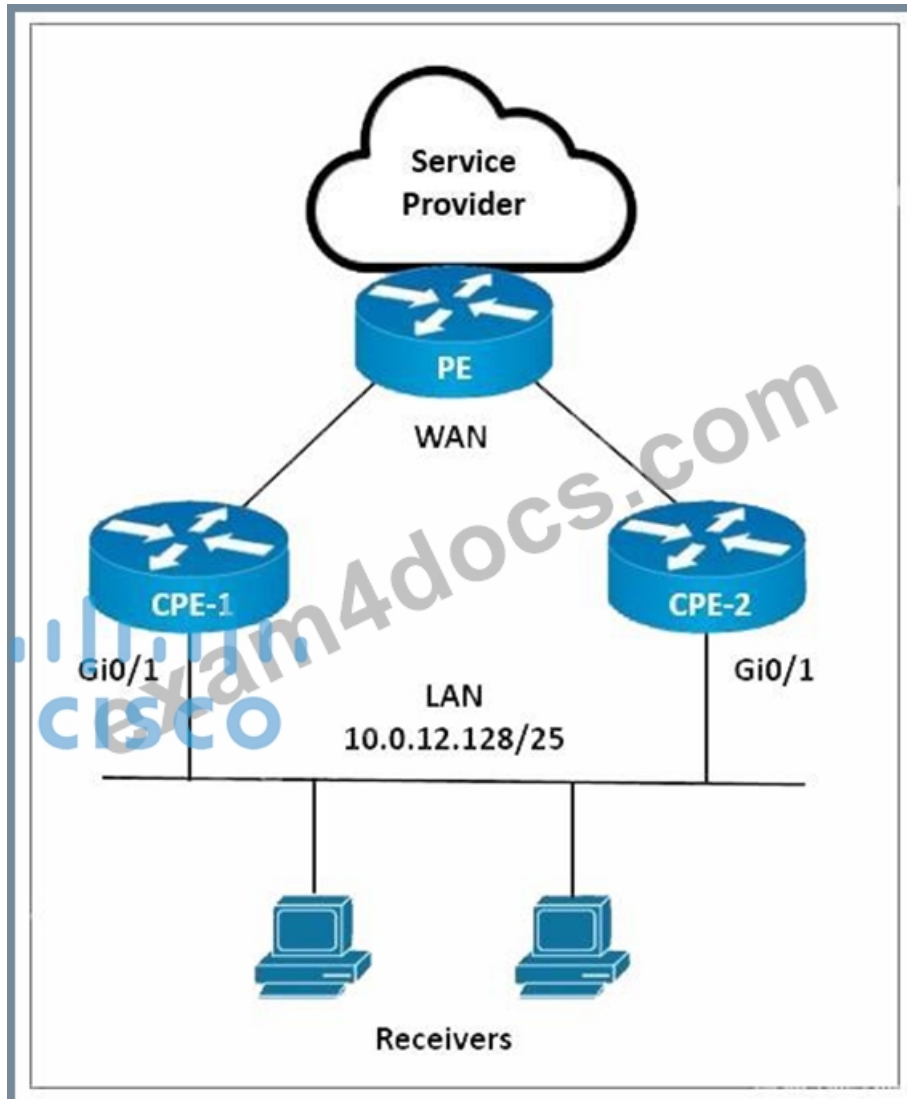
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Cisco Implementing and Operating Cisco Service Provider Network Core Technologies Sample Questions (Q17-Q22):

NEW QUESTION # 17

Refer to the exhibit.



Refer to the exhibit. A network engineer is implementing multicast services on CPE-1 and CPE-2. CPE-1 must be configured as the preferred IGMP querier for the LAN segment. PIM-SM must be implemented on the LAN interfaces with an IGMP version that supports (*, G) joins only. Which configurations must the engineer implement on CPE-1 and CPE-2?

- A. On CPE-1:
interface GigabitEthernet0/1
ip address 10.0.12.129 255.255.255.128
ip pim sparse-mode
ip igmp version 3
On CPE-2:
interface GigabitEthernet0/1
ip address 10.0.12.130 255.255.255.128
ip pim sparse-mode
ip igmp version 3
- B. On CPE-1:
interface GigabitEthernet0/1
ip address 10.0.12.129 255.255.255.128
ip pim sparse-mode
ip igmp version 2
On CPE-2:
interface GigabitEthernet0/1

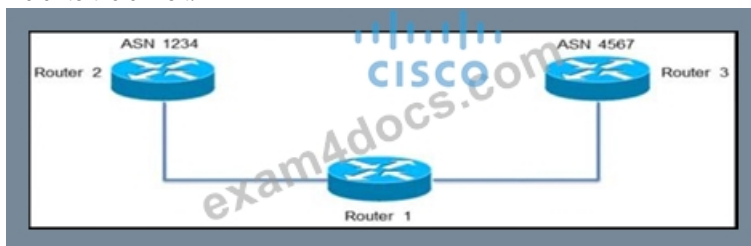
```
ip address 10.0.12.130 255.255.255.128
ip pim sparse-mode
ip igmp version 2
```

- C. On CPE-1:
interface GigabitEthernet0/1
ip address 10.0.12.130 255.255.255.128
ip pim sparse-mode
ip igmp version 3
On CPE-2:
interface GigabitEthernet0/1
ip address 10.0.12.129 255.255.255.128
ip pim sparse-mode
ip igmp version 3
- D. On CPE-1:
interface GigabitEthernet0/1
ip address 10.0.12.130 255.255.255.128
ip pim sparse-mode
ip igmp version 2
On CPE-2:
interface GigabitEthernet0/1
ip address 10.0.12.129 255.255.255.128
ip pim sparse-mode
ip igmp version 2

Answer: B

NEW QUESTION # 18

Refer to the exhibit.



An engineer is configuring path selection on router R1 for two ASNs as shown. Which additional task must the engineer perform on Router 1 so that all outbound traffic utilizes the link between R1 and R3 to reach ASN 4567?

- A. Configure a low weight on the peer to ASN 4567.
- **B. Configure a high weight on the peer to ASN 4567.**
- C. Configure an AS path prepend on the peer to ASN 4567.
- D. Configure a high med on the peer to ASN 4567.

Answer: B

NEW QUESTION # 19

Refer to the exhibit:

```

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)
*> 192.168.0.0/19  10.10.10.2      0          0 4282 65001 ?
*> 192.168.0.0/17  10.10.10.2      0          0 4282 65001 ?
*> 192.168.0.0/16  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

```

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

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

Answer: C,D,E

Explanation:

When a prefix list is applied to a BGP neighbor, it filters routes based on the specified conditions. In this scenario, the prefix list is designed to permit prefixes that are equal to or longer than /17 but shorter than or equal to /19. Therefore:

* A: 192.168.0.0/19 is denied because it falls outside the specified range.

* D: 192.168.0.0/16 is denied as it is shorter than the minimum length of /17.

* E: 192.168.0.0/16 is permitted because it is the exact prefix specified in the prefix list, and the ge and le modifiers apply to more specific routes derived from this prefix. References: Implementing and Operating Cisco Service Provider Network Core Technologies (SPCOR) - Cisco official courseware.

NEW QUESTION # 20

Refer to the exhibit:

RP/0/0/CPU0:iosxrv-1#show mpls ldp discovery brief				
Sat Apr 2 22:43:11.362 UTC				
Local LDP Identifier: 192.168.0.2:0				
Discovery Source Session	VRF Name	Peer LDP Id	Holdtime	

Gi0/0/1	default	192.168.0.3:0	15	Y
Gi0/0/2	default	192.168.0.4:0	15	Y
Gi0/0/3	default	192.168.0.5:0	15	Y
Tgt:192.168.0.1	default	192.168.0.1:0	90	Y
Tgt:192.168.0.3	default	192.168.0.3:0	90	Y
Tgt:192.168.0.5	default	-	-	N

With which router does IOSXRV-1 have LDP session protection capability enabled but session hold up is not active?

- A. 192.168.0.5

- Answer: C**

Refer to the exhibit.

An engineer configured BGP summarization on a customer's network. Which route is advertised to BGP peers?

- Answer: C**

The configuration snippet in the exhibit shows that BGP summarization is configured with the "aggregate-address" command followed by an IP address and a subnet mask, and then the "summary-only" and "as-set" options. The IP address is 192.168.0.0, and the subnet mask is 255.255.0.0, which corresponds to a /16 prefix length (indicating that the first 16 bits of the IP address are the network portion). However, there seems to be a typo in option B as it's not a valid IP address format; hence option A is correct with an assumption of typo error.

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