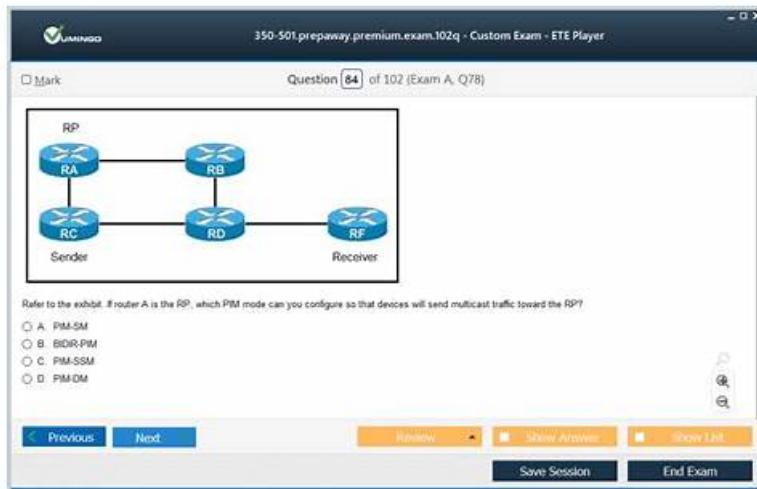


# 100% Pass Quiz 2026 Latest Cisco Valid 350-501 Test Dumps



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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.

## Assurance and Automation: 15%

- Specifying the purpose of Network Services Orchestration;
- Defining the external script to configure Cisco devices with the usage of REST API;
- Designing and verifying IPFIX/NetFlow, SNMP, RESTCONF, and NETCONF;
- Configuring the dial-in/out telemetry streams with the usage of gRPC.
- Describing the high-level principles and advantages of the data modeling language;
- Explaining programmable APIs utilized to add Cisco devices in the network automation;
- Describing model-driven telemetry as well as data analytics in the service provider;

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## 350-501 New Dumps Questions & 350-501 Reliable Exam Review

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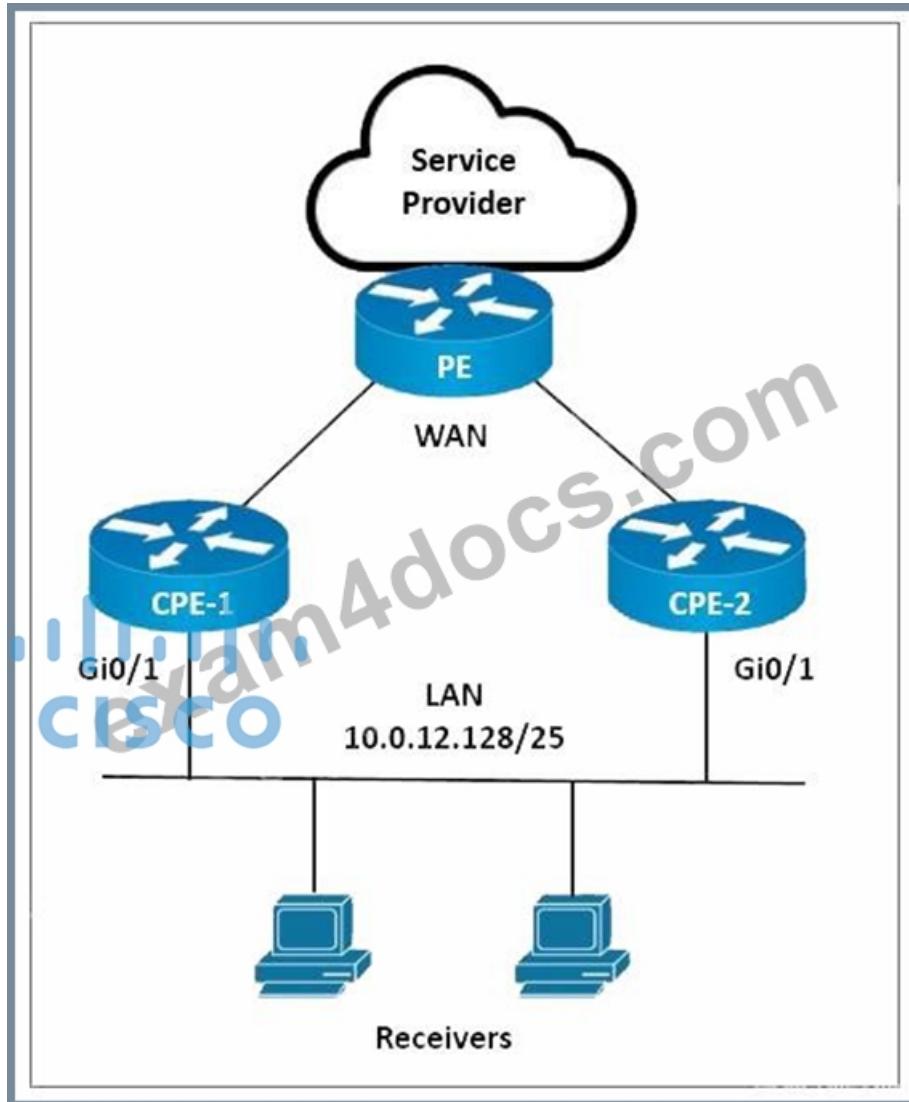
In terms of the exam format, the Cisco 350-501 consists of around 60-70 questions that need to be completed within a time limit of 120 minutes. These questions are a mix of multiple-choice, drag and drop, and simulation-based questions, which aim to test the candidate's ability to apply their knowledge to real-world scenarios. To pass the exam, candidates need to achieve a score of at least 825 out of 1000.

Cisco 350-501 certification exam is a valuable credential for professionals who want to demonstrate their expertise in Service Provider network technologies. Implementing and Operating Cisco Service Provider Network Core Technologies certification exam validates the candidate's skills and knowledge in Service Provider network technologies and can help them advance their career. Implementing and Operating Cisco Service Provider Network Core Technologies certification is also recognized by the industry and can help professionals differentiate themselves from their peers.

## 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:

```

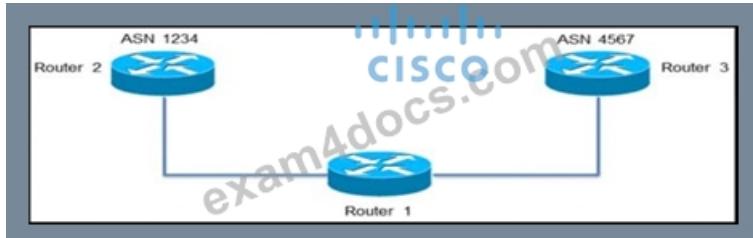
interface GigabitEthernet0/1
ip address 10.0.12.129 255.255.255.128
ip pim sparse-mode
ip igmp version 2

```

**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 weigh!
- 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

```

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

- B. 192.168.0.4
- C. 192.168.0.3
- D. 192.168.0.1

**Answer: C**

## NEW QUESTION # 21

Refer to the exhibit.

```
router bgp 65515
  aggregate-address 192.168.0.0 255.255.0.0 summary-only as-set
```

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

- A. 192168.0.0/16
- B. 192168.0.5/30
- C. 192.0.0.0/16
- D. 192.168.1.0/24

**Answer: C**

### Explanation:

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.

## NEW QUESTION # 22

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