

Implementing Cisco Service Provider Advanced Routing Solutions Learn Materials Can Definitely Exert Positive Effect on Your Exam

2023

Exam: 300-510
CCNP SPRI: Implementing Cisco Service Provider Advanced Routing Solutions
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Passing the Cisco 300-510 Exam requires a thorough understanding of advanced routing technologies and their implementation in a service provider environment. Candidates must also possess strong troubleshooting skills and the ability to design and implement scalable network solutions. Successful candidates will be able to demonstrate their expertise in these areas and earn the Cisco Certified Specialist - Service Provider Advanced Routing and Services certification.

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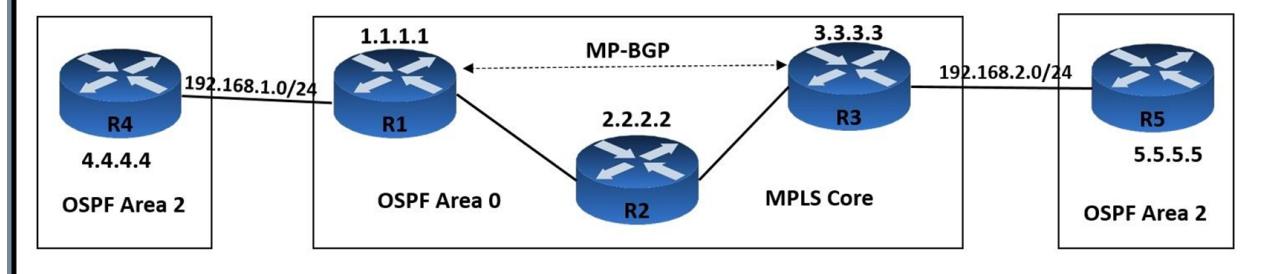
Cisco 300-510 Exam is a certification exam that is intended for professionals who are interested in demonstrating their level of knowledge and expertise in implementing Cisco Service Provider Advanced Routing Solutions. 300-510 exam is designed to assess the ability of candidates to configure, troubleshoot, and optimize service provider network infrastructures. It is also meant to validate the skills of candidates in implementing Layer 3 services and technologies, such as VPN services, MPLS, BGP, and OSPF.

Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q207-Q212):

NEW QUESTION # 207

Refer to the exhibit. An engineer is troubleshooting connectivity issues on the MPLS core network. A customer connected through R4 cannot reach the OSPF domain on R5. While checking the routing table of R1, the engineer cannot see all the routes from R3 and R5. Which task must the engineer perform so that R4 is able to reach R5?

```
R1#sh ip route
Codes: C - connected, S - static, R- RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user
static route o - ODR, P - periodic downloaded static route
Gateway of last resort is not set
1.0.0.0/32 is subnetted, 1 subnets
C 1.1.1.1 is directly connected, Loopback0
 2.0.0.0/32 is subnetted, 1 subnets
O 2.2.2.2 [110/11] via 10.0.0.2, 01:38:48, FastEthernet 0/0
 3.0.0.0/32 is subnetted, 1 subnets
O 3.3.3.3 [110/21] via 10.0.0.2, 01:02:29, FastEthernet 0/0
 10.0.0.0/24 is subnetted, 2 subnets
C 10.0.0.0 is directly connected, FastEthernet 0/0
O 10.0.1.0 [110/20] via 10.0.0.2, 01:02:39, FastEthernet 0/0
R1#sh ip bgp vrf RED
BGP table version is 9, local router ID is 1.1.1.1
Status codes: s suppressed, d damped, h history, * valid,
  > best, r RIB-failure, S Stale Origin codes: i - IGP, e - EGP, ? - incomplete
  Network Next Hop Metric LocPrf Weight Path Route Distinguisher: 4:4 (default for vrf RED)
*>i5.5.5.5/32 3.3.3.3 3 11 100 0 ?
*>i192.168.2.0 3.3.3.3 0 100 0 ?
R4#sh ip route
4.0.0.0/32 is subnetted, 1 subnets
C 4.4.4.4 is directly connected, Loopback0
C 192.168.1.0/24 is directly connected, FastEthernet 0/
```



- A. Enable OSPF on the Area-0 routers and configure MP-BGP between routers R1 and R3.

- B. Enable MP-BGP peering on routers R1, R3, R4, and R5.
- C. **Enable OSPF peering and configure route redistribution between routers R4 and R1.**
- D. Enable route filtering between routers R1 and R3.

Answer: C

NEW QUESTION # 208



Refer to the exhibit. Company X is multihomed to a service provider. With the default settings, the link between PE2 and CE1 is the primary link, but company X has asked for the link between PE4 and CE2 to operate as the primary instead. A network engineer used a route map with local-preference to manipulate the routes from PE2 to CE1 to be less desirable and applied the route map on PE2 outbound to CE1. However, the path from PE2 to CE1 is still preferred. Which action must the engineer take so that the desired path is chosen?

- A. Apply local-preference on PE2 outbound to CE2 with a value less than 100.
- B. Configure the AS path prepend attribute to increase the number of hops between CE2 and PE4.**
- C. Apply MED in the outbound direction on PE2 to CE1 with a cost lower than the path from PE4 to CE2.
- D. Configure the weight attribute on PE2 in the outbound direction to CE2 with a value less than 65535.

Answer: B

NEW QUESTION # 209



Refer to the exhibit. Routers R1, R2, R3, and R4 are peer routers that reside in different administrative domains. PIM-SM is running in each autonomous system, and EBGP is configured between the peers. A network administrator has just implemented MSDP between the connected peers. When the administrator enabled the MSDP configuration, R1 and R2 failed to establish a peering relationship. All other connected routers successfully established peering sessions. Which action must the engineer take to resolve the

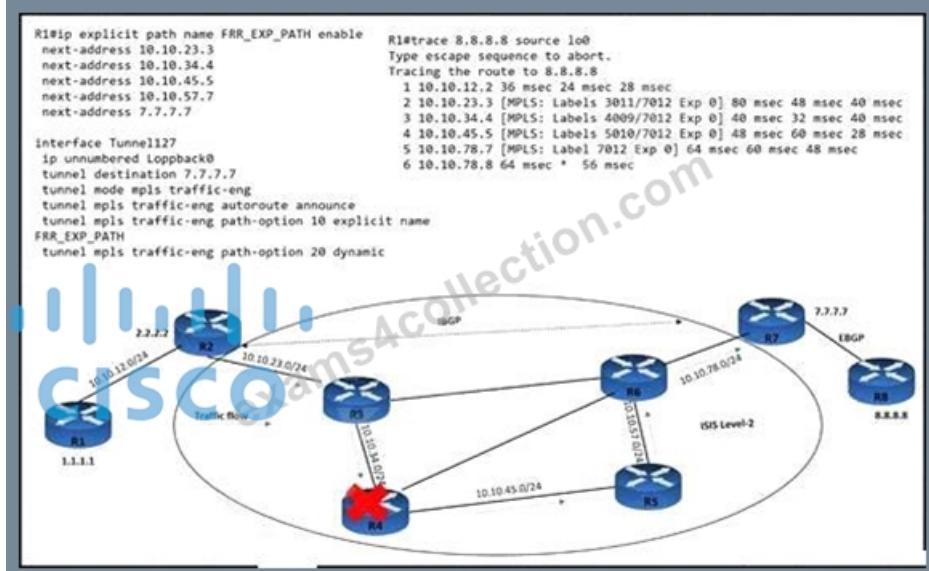
issue between R1 and R2?

- A. Change the MSDP authentication method to clear text
- **B. Set the same MSDP password on both peers**
- C. Configure the peers to be in the same autonomous system
- D. Implement BGP authentication between the peers.

Answer: B

NEW QUESTION # 210

Refer to the exhibit.



An MPLS core network has connectivity issues R4 has failed. It impacts traffic loss between R1 and R8.

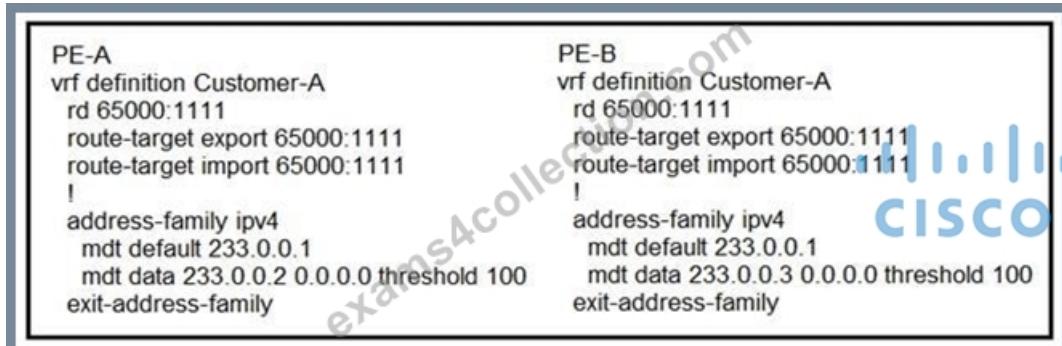
Customers report no access to their file servers, which delays their transformation work. Which quick action resolves the issue until R4 recovers?

- **A. Enable MPLS TE fast reroute on router R1 and Link and Node protection on router R2.**
- B. Disable traffic engineering so that traffic prefers the IGP path
- C. Implement Link and Node protection on routers R2 and R7.
- D. Configure IBGP full mesh for faster convergence.

Answer: A

NEW QUESTION # 211

Refer to the exhibit. Which tree does multicast traffic follow?



- A. MDT voice
- B. shared tree
- **C. MDT default**
- D. source tree

Answer: C

NEW QUESTION # 212

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