350-501^{Q&As}

Implementing and Operating Cisco Service Provider Network Core
Technologies (SPCOR)

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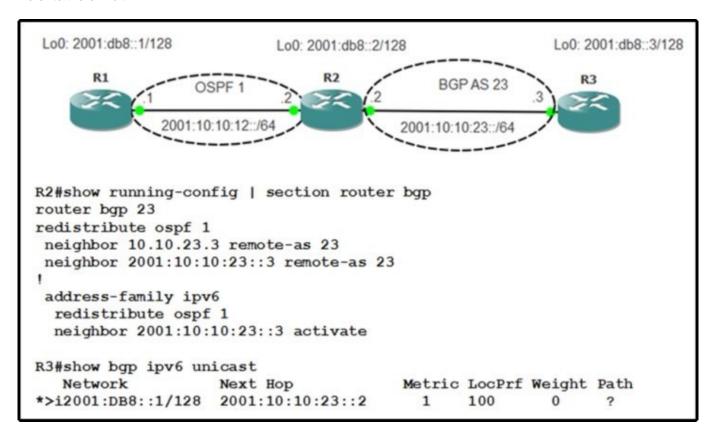Following Questions and Answers are all new published by Cisco
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QUESTION 1

Refer to the exhibit.


```
Lo0: 2001:db8::1/128          Lo0: 2001:db8::2/128          Lo0: 2001:db8::3/128

   R1                              R2                              R3
          OSPF 1                         BGP AS 23
       .1          .2            .2                 .3
          2001:10:10:12::/64          2001:10:10:23::/64


R2#show running-config | section router bgp
router bgp 23
redistribute ospf 1
 neighbor 10.10.23.3 remote-as 23
 neighbor 2001:10:10:23::3 remote-as 23
!
 address-family ipv6
   redistribute ospf 1
   neighbor 2001:10:10:23::3 activate

R3#show bgp ipv6 unicast
    Network           Next Hop              Metric LocPrf Weight Path
*>i2001:DB8::1/128  2001:10:10:23::2          1     100      0     ?
```

A company is deploying IPv6 using a dual-stack approach. OSPFv2 is used for IPv4 routing and is redistributed into the BGP IPv4 address family. The network engineer also needs to enable OSPFv3 for IPv6 routing using the same design

that is used for OSPFv2. All prefixes in the OSPFv3 database must be redistributed into the BGP IPv6 address family at router R2, but R3 does not receive the loopback 0 IPv6 address of R2 via BGP.

Which action will fix this problem?

A. redistribution of BGP routes into OSPFv3

B. redistribution of OSPFv3 routes into BGP with include-connected

C. mutual redistribution of OSPFv3 and BGP routes

D. redistribution of connected OSPFv3 routes

Correct Answer: B

QUESTION 2

What is one of the differences between Ansible and Chef?

A. Ansible uses YAML and Chef uses Ruby.

B. Chef requires the use of Windows in the environment and Ansible requires Linux.

C. Chef is highly scalable and Ansible is highly secure.

D. Ansible uses Ruby and Chef uses Python.

Correct Answer: A

QUESTION 3

An engineer working for a private telecommunication company with an employ id:3948:613 needs to limit the malicious traffic on their network.

Which configuration must the engineer use to implement URPF loose mode on the GigabitEthernet0/1 interface?

A. router(config)# interface gigabitethernet0/1router(config-if)# ip address 192.168.200.1 255.255.255.0router(config-if)# ip verify unicast source reachable-via anyrouter(config-if)# ipv6 address 2001:DB8:1::1/96router(config-if)# ipv6 verify unicast source reachable-via any

B. router(config)# interface gigabitethernet0/1router(config-if)# ip address 192.168.200.1 255.255.255.0router(config-if)# ip verify unicast source reachable-via rxrouter(config-if)# ipv6 address 2001:DB8:1::1/96router(config-if)# ipv6 verify unicast source reachable-via rx

C. router(config)# interface gigabitethernet0/1router(config if)# ip address 192.168.200.1 255.255.255.0router(config-if)# ip verify unicast source reachable-via rxrouter(config-if)# ipv6 address 2001:DB8:1::1/96router(config-if)# ipv6 verify unicast source reachable-via any

D. router(config)# interface gigabitethernet0/1router(config-if)# ip address 192.168.200.1 255.255.255.0router(config-if)# ip verify unicast source reachable-via anyrouter(config-if)# ipv6 address 2001:DB8:1::1/96router(config-if)# ipv6 verify unicast source reachable-via rx

Correct Answer: A

"reachable-via any" must be configured for Loose mode on both IPv4 and IPv6. https://www.cisco.com/c/en/us/td/docs/i os-xml/ios/sec_data_urpf/configuration/xe-3s/sec-data-urpf-xe-3s-book/sec-unicast-rpf-loose-mode.html

QUESTION 4

Which type of multicast distribution trees can RSVP-TE-based multicast build?

A. only branches of point-to-point tunnels

B. multipoint-to-multipoint multicast from tail-end to head-end full mesh

C. point-to-multipoint multicast distribution trees

D. point-to-multipoint trees from tail-end to head-end

E. multipoint-to-multipoint multicast distribution trees

Correct Answer: D

QUESTION 5

A network administrator is planning a new network with a segment-routing architecture using a distributed control plane.

How is routing information distributed on such a network?

A. Each segment is signalled by an SR controller, but each segment makes Its own steering decisions based on SR policy.

B. Each segment is signalled by MPLS, and each segment makes steering decisions based on the routing policy pushed by BGP.

C. Each segment is signalled by an SR controller that makes the steering decisions for each node.

D. Each segment is signalled by a compatible routing protocol and each segment makes its own steering decisions based on SR policy.

Correct Answer: D

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