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Deploying Cisco Service Provider Network Routing

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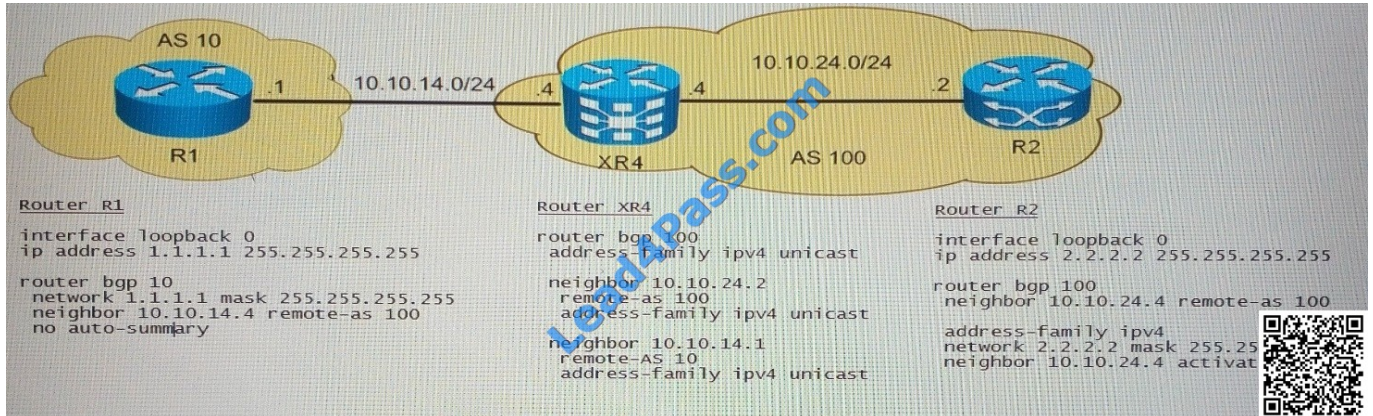Following Questions and Answers are all new published by Cisco Official Exam Center

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QUESTION 1

Refer to the exhibit.


```
AS 10                                       10.10.24.0/24
                 .1   10.10.14.0/24   .4          .4                    .2
R1                                  XR4        AS 100                 R2

Router R1                           Router XR4                  Router R2

interface loopback 0                router bgp 100              interface loopback 0
ip address 1.1.1.1 255.255.255.255   address-family ipv4 unicast ip address 2.2.2.2 255.255.255.255

router bgp 10                        neighbor 10.10.24.2        router bgp 100
 network 1.1.1.1 mask 255.255.255.255  remote-as 100            neighbor 10.10.24.4 remote-as 100
 neighbor 10.10.14.4 remote-as 100    address-family ipv4 unicast
 no auto-summary                                                address-family ipv4
                                     neighbor 10.10.14.1         network 2.2.2.2 mask 255.25
                                      remote-AS 10               neighbor 10.10.24.4 activat
                                      address-family ipv4 unicast
```

R2 does not have R1 1.1.1.1/32 subnet in its BGP table. Which issue can be causing this problem?

A. There is no route-reflector configuration in AS 100.

B. IPv4 address-family isnot enabled on R1.

C. R2 does not have next-hop-self for a XR4 iBGP session.

D. XR4 drops any update coming from R1 because there is no RPL policy applied.

Correct Answer: D

QUESTION 2

Refer to the exhibit.

```
Router 1
router ospf 1
!
interface Ethernet0/0
    ip address 172.10.23.1 255.255.255.0
    ip osf 1 area 0
bfd interval 50 min_rx 50 multiplier 3


Router2
router ospf 1
!
interface Ethernet0/0
    ip address 172.10.23.2 255.255.255.0
    ip osf 1 area 0
bfd interval 50 min_rx 50 multiplier 3
```

Which Cisco IOS XE command should be added to this configuration for the BFD protocol to operate successfully?

A. Router1(config-if)#bfd echoRouter2(config-if)#bfd echo

B. Router1(config-ospf-ar-if)#bfd fast-detectRouter2(config-ospf-ar-if)#bfd fast-detect

C. Router1(config-router)#bfd all-interfacesRouter2(config-router)#bfd all-interfaces

D. Router1(config- bfd)#echo-enableRouter2(config- bfd)#echo-enable

Correct Answer: C

QUESTION 3

Which option describes how an engineer must configure route summarization on a Cisco IOS XE OSPF-enabled network of routers?

A. area range command under the router OSPF process of the ABR

B. area range command under the router OSPF process of the router wanting to originate the summary route from

C. summary-address command under the OSPF process of the ABR

D. summary-address command under the OSPF process of the router wanting to originate the summary route from

E. network statement for the aggregate address under the router OSPF process on the ABR

F. network statement for the aggregate address under the router OSPF process of the router wanting to originate the summary route from

Correct Answer: A

QUESTION 4

Which two statements about a transit AS are correct? (Choose two.)

A. A transit AS has eBGP connection(s) to only one external AS.

B. Routes between ASs are always exchanged via eBGP.

C. A transit AS uses an IGP like OSPF or ISIS to propagate the external networks within the transit AS.

D. Core routers within a transit AS normally use default routing to reach the external networks.

E. iBGP sessions can be established between non directly connected routers.

Correct Answer: BE

QUESTION 5

Which option is an invalid BGP community representation?

A. binary

B. autonomous system number : value

C. hexadecimal

D. decimal

Correct Answer: C

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