



642-883^{Q&As}

Deploying Cisco Service Provider Network Routing





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QUESTION 1

Refer to the IS-IS configuration exhibit.

```
router isis 1
net 49.0001.0100.0100.1001.00
address-family ipv4 unicast
!
address-family ipv6 unicast
single-topology
!
interface gi0/0/0/0
address-family ipv4 unicast
!
address-family ipv6 unicast
```

This is the typical IS-IS configuration of the routers in an AS using IS-IS as the IGP. This AS is in the transition phase of integrating IPv6 into the network. During this transition phase, some of the routers within the AS might be running IPv4 only, some might be running IPv6 only, and others might be running both IPv4 and IPv6. To avoid any black holes for the IPv6 traffic, which configuration change can be made?

- A. Disable IS-IS adjacency checks.
- B. Enable IPv6 adjacency over IPv4 IS-IS peering.
- C. Enable multi-topology IS-IS.
- D. Disable the IPv4 unicast address-family.
- E. Enable IS-IS wide metric to support the single-topology mode.

Correct Answer: C

QUESTION 2

Refer to the exhibit.

```
R2#show ip bgp
Network                Next Hop              Path
*> 1.1.1.1/32          10.10.12.1           100 i
*> 2.2.2.2/32          0.0.0.0              i
*> 3.3.3.3/32          10.10.12.1           100 300 i
*> 4.4.4.4/32          10.10.12.1           100 300 400
```

R2 wants to filter out only routes originated from AS 300. Which AS path access list should be used?

- A. ip as-path access-list 1 deny_300\$



- B. ip as-path access-list 1 deny^300_
- C. ip as-path access-list 1 deny ^300\$
- D. ip as-path access-list 1 deny_300_

Correct Answer: C

QUESTION 3

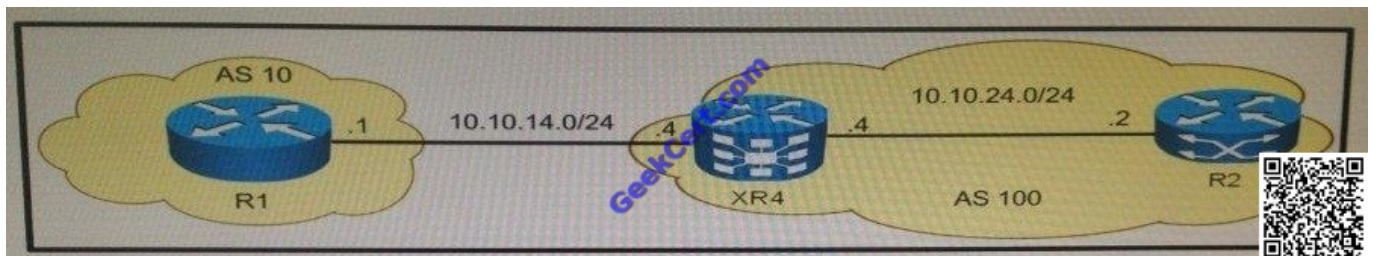
For which reason might an enterprise's Internet circuits use private AS BGP peerings?

- A. The enterprise wishes to obscure internal routing information from the Internet.
- B. The enterprise owns their own IP space.
- C. All redundant circuits are through the same provider.
- D. The enterprise uses BGP confederations internally.

Correct Answer: C

QUESTION 4

Refer to the exhibit.



Which configuration is correct for RX4 for an e-BGP session with R1?

- A. router bgp 100address-family ipv4 unicast!neighbor 10.10.14.1remote-as 10address-family ipv4unicastroute-policy POLICY in
- B. router bgp 100address-family ipv4 unicast!neighbor 10.10.14.1remote-as 100
- C. router bgp 100!neighbor 10.10.14.1remote-as 100
- D. router bgp 100!neighbor 10.10.14.1remote-as 10address-family ipv4 unicast

Correct Answer: A

QUESTION 5

Refer to the exhibit.



```
route-policy OSPFintoISIS
  if tag eq xxx then
    drop
  else
    set tag yyy
  endif
end-policy
```

Based on the Cisco IOS XR route policy configuration, when redistributing OSPF routes into IS-IS, to which of the following does the "tag" value correspond?

- A. The tag value represents the OSPF metric.
- B. The tag value represents the IS-IS metric.
- C. The tag value identifies a route or set of routes.
- D. The tag value is used to match whether the IS-IS route is an external or internal IS-IS route.
- E. The tag value represents the administrative distance.

Correct Answer: C

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