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642-885

Cisco
Deploying Cisco Service Provider Advanced Routing (SPADVOUTE)

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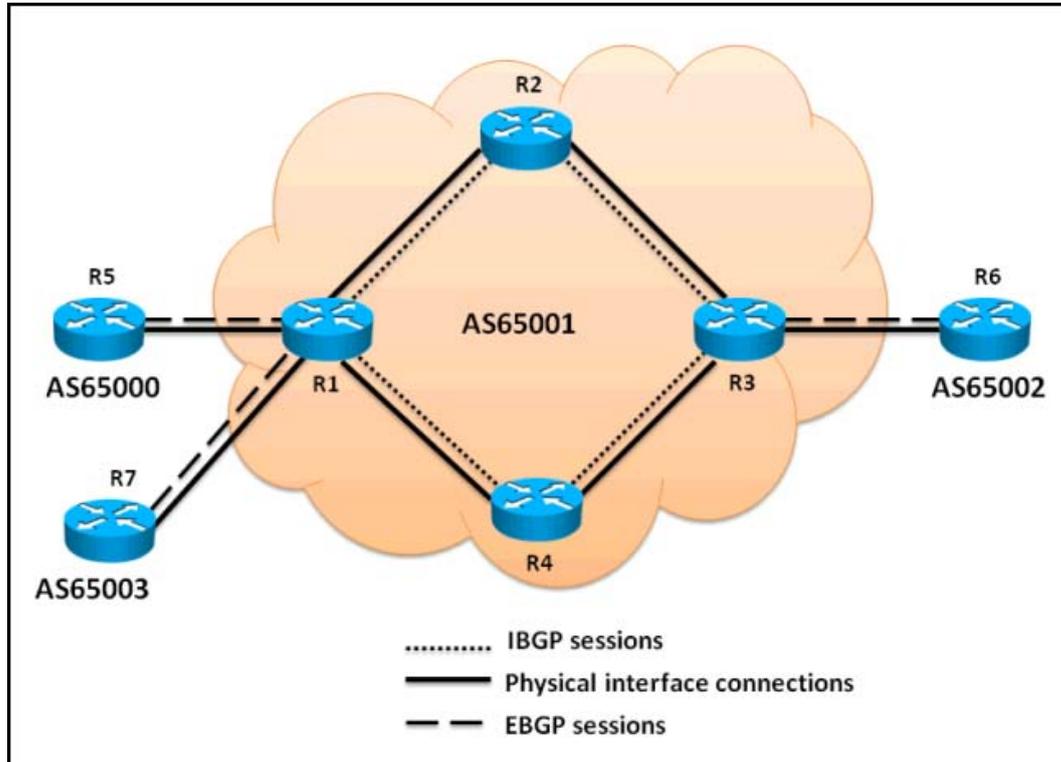
DEMO EXAM

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QUESTION: 1
Referring to the topology diagram show in the exhibit,

which three statements are correct regarding the BGP routing updates? (Choose three.)

A. The EBGP routing updates received by R1 from R5 will be propagated to the R2, R4, and R7 routers
B. The EBGP routing updates received by R3 from R6 will be propagated to the R2 and R4 routers
C. The EBGP routing updates received by R1 from R5 will be propagated to the R2 and R4 routers
D. The IBGP routing updates received by R3 from R2 will be propagated to the R6 router
E. The IBGP routing updates received by R2 from R1 will be propagated to the R3 router
F. The IBGP routing updates received by R1 from R4 will be propagated to the R5, R7, and R2 routers

Answer: A, B, D

QUESTION: 2
When a BGP route reflector receives an IBGP update from a non-client IBGP peer, the route reflector will then forward the IBGP updates to which other router(s)?

A. To the other clients only
B. To the EBGP peers only
C. To the EBGP peers and other clients only
D. To the EBGP peers and other clients and non-clients

Answer: C

QUESTION: 3
Which two BGP mechanisms are used to prevent routing loops when using a design with redundant route reflectors? (Choose two.)

A. Cluster-list
B. AS-Path
C. Originator ID
D. Community
E. Origin

Answer: A, C

QUESTION: 4
Which two statements correctly describe the BGP ttl-security feature? (Choose two.)

A. This feature protects the BGP processes from CPU utilization-based attacks from EBGP neighbors which can be multiple hops away
B. This feature prevents IBGP sessions with non-directly connected IBGP neighbors
C. This feature will cause the EBGP updates from the router to be sent using a TTL of 1
D. This feature needs to be configured on each participating BGP router
E. This feature is used together with the ebgp-multihop command

Answer: A, D

QUESTION: 5
When implementing source-based remote-triggered black hole filtering, which two configurations are required on the edge routers that are not the signaling router? (Choose two.)

A. A static route to a prefix that is not used in the network with a next hop set to the Null0 interface
B. A static route pointing to the IP address of the attacker
C. uRPF on all external facing interfaces at the edge routers
D. Redistribution into BGP of the static route that points to the IP address of the attacker
E. A route policy to set the redistributed static routes with the no-export BGP community

Answer: A, C

QUESTION: 6
Refer to the topology diagram shown in the exhibit and the partial configurations shown below.
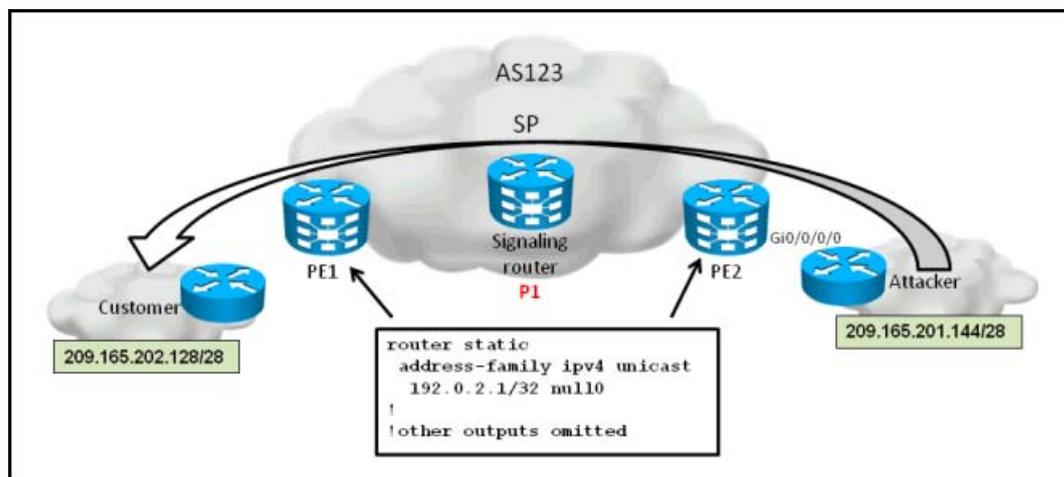
Once the attack from 209.165.201.144/28 to 209.165.202.128/28 has been detected, which additional configurations are required on the P1 IOS-XR router to implement source-based remote-triggered black hole filtering?
!
router bgp 123
address-family ipv4 unicast
redistribute static route-policy test
!

A. router static
address-family ipv4 unicast
209.165.202.128/28 null0 tag 666
192.0.2.1/32 null0 tag 667
!
route-policy test if tag is 666 then
set next-hop 192.0.2.1
endif

if tag is 667 then
set community (no-export)
endif
end-policy
!
B. router static
address-family ipv4 unicast
209.165.201.144/28 null0 tag 666
192.0.2.1/32 null0 tag 667
!
route-policy test if tag is 666 then
set next-hop 192.0.2.1
endif
if tag is 667 then
set community (no-export)
endif
end-policy
!
C. router static
address-family ipv4 unicast
209.165.201.144/28 null0 tag 666
192.0.2.1/32 null0
!
route-policy test if tag is 666 then
set next-hop 192.0.2.1
set community (no-export)
endif
end-policy
D. router static
address-family ipv4 unicast
209.165.202.128/28 null0 tag 666
192.0.2.1/32 null0
!
route-policy test if tag is 666 then
set next-hop 192.0.2.1
set community (no-export)
endif
end-policy
!

Answer: C

QUESTION: 7
In Cisco IOS-XR, the maximum-prefix command, to control the number of prefixes
that can be installed from a BGP neighbor, is configured under which configuration
mode?

A. RP/0/RSP0/CPU0:P2(config-bgp)#
B. RP/0/RSP0/CPU0:P2(config-bgp-af)#
C. RP/0/RSP0/CPU0:P2(config-bgp-nbr)#
D. RP/0/RSP0/CPU0:P2(config-bgp-nbr-af)#

Answer: D

QUESTION: 8
In Cisco IOS-XR, the ttl-security command is configured under which configuration
mode?

A. RP/0/RSP0/CPU0:P2(config)#
B. RP/0/RSP0/CPU0:P2(config-bgp)#
C. RP/0/RSP0/CPU0:P2(config-bgp-nbr)#
D. RP/0/RSP0/CPU0:P2(config-bgp-af)#
E. RP/0/RSP0/CPU0:P2(config-bgp-nbr-af)#

Answer: C

QUESTION: 9
Refer to the exhibit.

```
router bgp 65123
 bgp cluster-id 17
 address-family ipv4 unicast
 exit
```

Given the partial BGP configuration, which configuration correctly completes the
Cisco IOS-XR route reflector configuration where both the 1.1.1.1 and 2.2.2.2
routers are the clients and the 3.3.3.3 router is a non-client IBGP peer?

A. neighbor 1.1.1.1 remote-as 65123 route-reflector-client neighbor 2.2.2.2 remote-
as 65123 route-reflector-client neighbor 3.3.3.3 remote-as 65123
B. neighbor 1.1.1.1 address-family ipv4 unicast remote-as 65123
route-reflector-client neighbor 2.2.2.2
address-family ipv4 unicast remote-as 65123
route-reflector-client neighbor 3.3.3.3
address-family ipv4 unicast remote-as 65123
C. neighbor 1.1.1.1
remote-as 65123
address-family ipv4 unicast route-reflector-client neighbor 2.2.2.2

remote-as 65123
address-family ipv4 unicast route-reflector-client neighbor 3.3.3.3
remote-as 65123
D. neighbor 1.1.1.1 remote-as 65123 neighbor 1.1.1.1 route-reflector-client neighbor
2.2.2.2 remote-as 65123
neighbor 2.2.2.2 route-reflector-client neighbor 3.3.3.3 remote-as 65123

Answer: C

QUESTION: 10
Which three methods can be used to reduce the full-mesh IBGP requirement in a
service provider core network? (Choose three.)

A. implement route reflectors
B. enable multi-protocol BGP sessions between all the PE routers
C. implement confederations
D. implement MPLS (LDP) in the core network on all the PE and P routers
E. enable BGP synchronization
F. disable the IBGP split-horizon rule

Answer: A, C, D

QUESTION: 11
Which type of BGP session behaves like an EBGP session during session
establishment but behaves like an IBGP session when propagating routing updates
where the local preference, multi-exit discriminator, and next-hop attributes are not
changed?

A. BGP sessions between a route reflector and its clients
B. BGP sessions between a route reflector and its non-client IBGP peers
C. BGP sessions between a route reflector and another route reflector
D. Intra-confederation IBGP sessions
E. Intra-confederation EBGP sessions

Answer: E

QUESTION: 12
You noticed a recent change to the BGP configuration on a PE router, the bgp scan
time has been changed from the default value to 30s. Which three effects will this
change have? (Choose three.)

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and many others.. See complete list Here