642-661^{Q&As}

CCIP Configuring BGP on Cisco Routers (BGP)

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QUESTION 1

Which one of the following regarding the BGP route refresh feature is correct?

A. Negotiates feature capability during the BGP UPDATE message exchange process.

B. Stores a copy of all the inbound BGP routing information in router memory.

C. Requirespreconfiguration using the neighbor soft-reconfiguration command on the router and the BGP peer.

D. Allows a router to request the retransmission of BGP routes from a BGP neighbor.

Correct Answer: D

QUESTION 2

Given the following configurations, R2 and R3 are not able to successfully establish the IBGP session using the loopback 0 interfaces. What could be the cause of this problem?!! output omitted!hostname R2!interface loopback 0ip address 2.2.2.2!interface e0ip address 10.1.1.1 255.255.255.0no shut!interface e1ip address 10.2.2.1 255.255.255.0no shut!router bgp 65101neighbor 172.16.1.1 remote-as 65100neighbor 3.3.3.3 remote-as 65101!router eigrp 101network 10.0.0.0network 2.0.0.0!!! output omitted!hostname R3!interface loopback 0ip address 3.3.3.3!interface e0ip address 10.1.1.2 255.255.255.0no shut!interface e1ip address 10.2.2.2 255.255.255.0no shut!router bgp 65101neighbor 192.168.1.1 remote-as 65102neighbor 2.2.2.2 remote-as 65101!router eigrp 101network 10.0.0.0network 3.0.0.0!
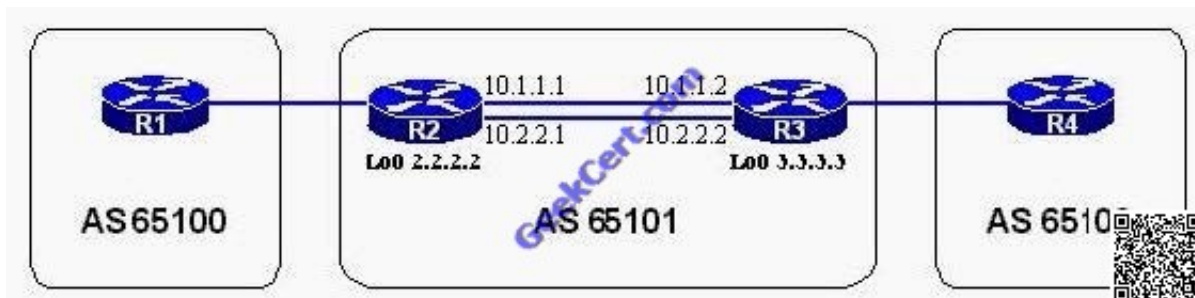
A. The "network 2.0.0.0" BGP configuration command is missing on R2 and the "network 3.0.0.0" BGP configuration command is missing on R3.

B. R2 and R3 are not using the loopback0 IP address as the source address for the BGP messages to each other.

C. The "neighbor 2.2.2.2ibgp-multihop 2" BGP configuration command is missing on R3 and the "neighbor 3.3.3.3 ibgp-multihop 2" BGP configuration command is missing on R2.

D. The "No Sync" BGP configuration command is missing.

Correct Answer: B

QUESTION 3

What is the effect on existing BGP connections when Path MTU (PMTU) discovery is enabled?

A. The connections are reset and negotiate MTU size.

B. There is no effect on existing connections.

C. After timing out, they will inherit the configured MTU size.

D. They dynamically renegotiate the new MTU size.

Correct Answer: B

QUESTION 4

When using BGP to carry external routes, what is the ideal interaction between BGP and the IGP running within a Transit AS?

A. The IGP should carry the core subnets within the AS. Then a mutual redistribution between BGP and the IGP should be performed.

B. The external routes should be redistributed into a Link-State IGP (like OSPF or IS-IS) with filtering to reduce the size of the Link-State database.

C. The external routes should be redistributed into an IGP.

D. The IGP should carry the routes to reach the BGP next-hops and the core subnets within the AS.

Correct Answer: D

QUESTION 5

Why can using the ip tcp path-mtu-discovery command improve BGP convergence?

A. Smaller MSS sizes may reduce BGP convergence times.

B. BGP is enabled to fragment its large update packets.

C. The BGP memory requirements on routers are reduced.

D. Single packet sizes in TCP sessions are limited.

E. BGP is allowed to use a larger TCP window size.

Correct Answer: E

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