

## 642-885<sup>Q&As</sup>

Deploying Cisco Service Provider Advanced Routing

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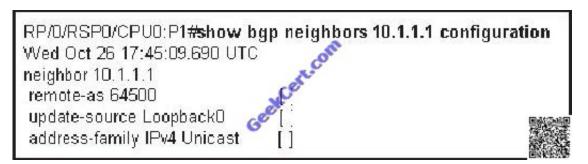


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#### **QUESTION 1**

Refer to the Cisco IOS-XR show output exhibit.



Which statement is correct?

- A. The [] indicates the configuration has a problem
- B. The [] indicates the 10.1.1.1 neighbor peering session has not been established
- C. The [] indicates the configuration was not inherited from a group
- D. The [] indicates the configuration has not been committed
- E. The [] indicates the corresponding BGP peer configuration has a mismatch configuration

Correct Answer: C

: show bgp neighbors Use the show bgp neighbors command to display information about the BGP configuration for neighbors. ·Use the configuration option to display the effective configuration for the neighbor, including any settings that have been inherited from session groups, neighbor groups, or af-groups used by this neighbor. ·Use the inheritance option to display the session groups, neighbor groups, and af-groups from which this neighbor inherits configuration settings. The following example displays sample output from the show bgp af-group command using the configuration keyword. This example shows where each configuration item was inherited from. The default-originate command was configured directly on this address family group (indicated by [ ]). The remove-private-as command was inherited from address family group GROUP\_2, which in turn inherited from address family group GROUP\_3:

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[a:GROUP 2

RP/0/0/CPU0:router# show bgp af-group GROUP\_1 configuration

af-group GROUP\_1 address-family ipv4 unicast

capability orf prefix-list both [a:GROUP\_2]

default-originate []

maximum-prefix 2500 75 warning2 only []

policy POLICY\_1 in [a:GROUP\_2 a:GROUP\_3]

remove-private-AS [a:GROUP\_2 a:GROUP\_3]

send-community-ebgp [a:GROUP\_2]

#### **QUESTION 2**

Which mechanism is used by an IPv6 multicast receiver to join an IPv6 multicast group?

send-extended-community-ebgp

- A. IGMP report
- B. IGMP join
- C. MLD report
- D. General query
- E. PIM join

Correct Answer: C

MLD Reports The processing of MLDv1 join messages is essentially the same as with IGMPv2. When no IPv6 multicast routers are detected in a VLAN, reports are not processed or forwarded from the switch. When IPv6 multicast routers are detected and an MLDv1 report is received, an IPv6 multicast group address and an IPv6 multicast MAC address are entered in the VLAN MLD database. Then all IPv6 multicast traffic to the group within the VLAN is forwarded using this address. When MLD snooping is disabled, reports are flooded in the ingress VLAN. When MLD snooping is enabled, MLD report suppression, called listener message suppression, is automatically enabled. With report suppression, the switch forwards the first MLDv1 report received by a group to IPv6 multicast routers; subsequent reports for the group are not sent to the routers. When MLD snooping is disabled, report suppression is disabled, and all MLDv1 reports are flooded to the ingress VLAN. The switch also supports MLDv1 proxy reporting. When an MLDv1 MASQ is received, the switch responds with MLDv1 reports for the address on which the query arrived if the group exists in the switch on another port and if the port on which the query arrived is not the last member port for the address.

#### **QUESTION 3**

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A junior network engineer has just configured a new IBGP peering between two Cisco ASR9K PE routers in the network using the loopback interface of the router, but the IBGP neighborship is not able to be established. Which two verification steps will be helpful in troubleshooting this problem? (Choose two.)

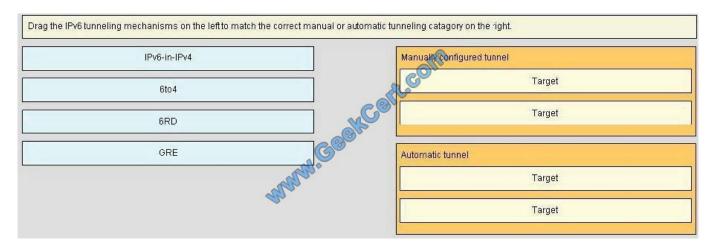
A. Verify that the network command under router BGP is configured correct on each router for announcing the router\\'s loopback interface in BGP

- B. Verify that the ibgp-multihop command under the BGP neighbor is configured correctly on each router
- C. Verify that the loopback interfaces are reachable over the IGP
- D. Verify that the update-source loopback command under the BGP neighbor is configured correctly on each router
- E. Verify that the ttl-security command under the BGP neighbor is configured correctly on each router to enable the router to send the BGP packets using a proper TTL value
- F. Verify that the UDP port 179 traffic is not being blocked by an ACL or firewall between the two IBGP peers

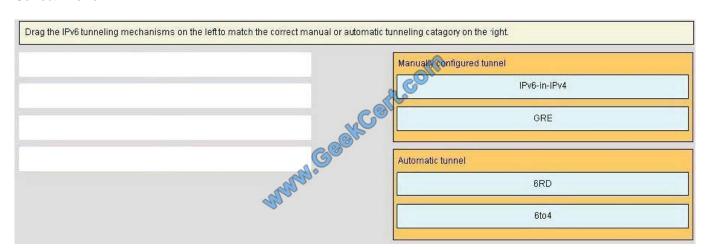
Correct Answer: CD

#### **QUESTION 4**

#### Select and Place:



#### Correct Answer:



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#### **QUESTION 5**

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

Correct Answer: C

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