Nokia Border Gateway Protocol Fundamentals for Services

Nokia 4A0-114

Version Demo

Total Demo Questions: 10

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QUESTION NO: 1

On the Nokia 7750 SR, which of the following is NOT an address family that BGP supports?

A. IPv4

B. VPN-IPv4

C. Label-IPv4

D. MP-EVPN

ANSWER: C

QUESTION NO: 2

In the diagram, the BGP import policy "north-and-south" is applied to router R5. Router R1 advertises the prefix 140.100.1.0/24 with a community set to "65200:1". Which of the following statements about how router R5 processes the received route update for prefix 140.100.1.0/24 is TRUE?
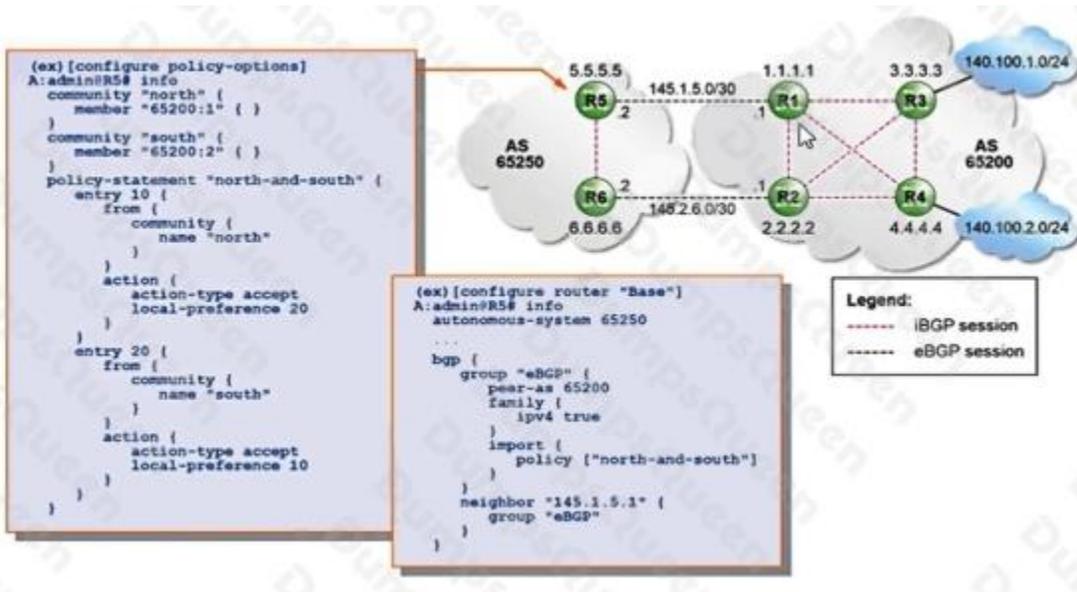
A. The prefix is rejected.

B. The prefix's local preference is set to 20.

C. The prefix's community value is removed.

D. The prefix's community value is modified to 65200:2.

ANSWER: D

QUESTION NO: 3

Which of the following statements about router reflectors is FALSE?

A. A full iBGP mesh is required among route reflectors.

B. A route reflector can have both iBGP and eBGP clients.

C. A router reflector disables the iBGP split-horizon rule for its clients.

D. Route reflectors are used to reduce the number of iBGP sessions required in an AS.
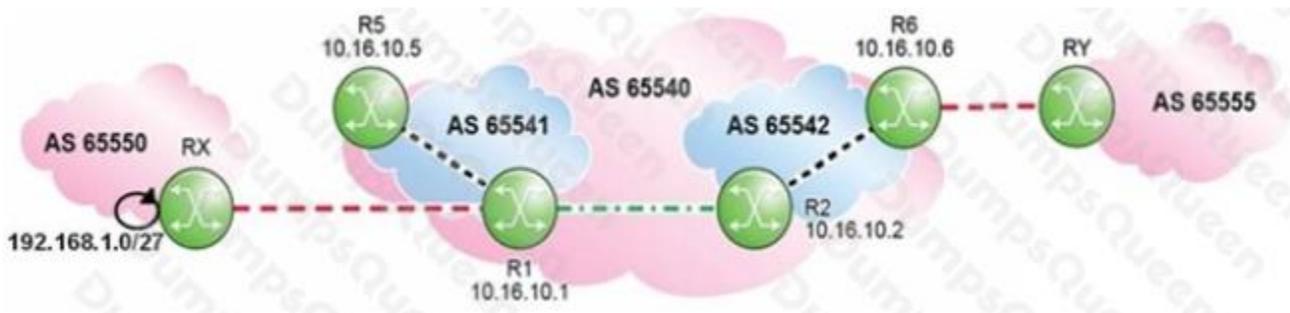
ANSWER: A

QUESTION NO: 4

Which of the following attributes can be used to prevent route advertisement loops in a network using router reflectors?

A. MED

B. ORIGIN

C. CLUSTER_LIST

D. AS_PATH

ANSWER: C

QUESTION NO: 5

Click the exhibit.

Which of the following is a valid confederation configuration for Router R2?

A. R2>config>router# info

----

  autonomous-system 65540
  confederation 65540 members 65541 65542

B. R2>config>router# info

----

  autonomous-system 65542
  confederation 65540 members 65541

C. R2>config>router# info

----

  autonomous-system 65542
  confederation 65540 members 65541 65542

D. R2>config>router# info

----

  autonomous-system 65540
  confederation 65542 members 65541

A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: C

QUESTION NO: 6

A traditional (non EVPN) VPRN service is configured using MP-BGP and LDP transport tunnels. Which of the following statements about the VPN service label is TRUE?

A. The service label is advertised using LDP.

B. The service label is prepended to the customer IPv4 prefixes.

C. The service label must be manually configured for the VPRN on each PE router.

D. The service label is carried in an MP-BGP VPN-IPv4 route update.

ANSWER: D

QUESTION NO: 7

Click the exhibit.
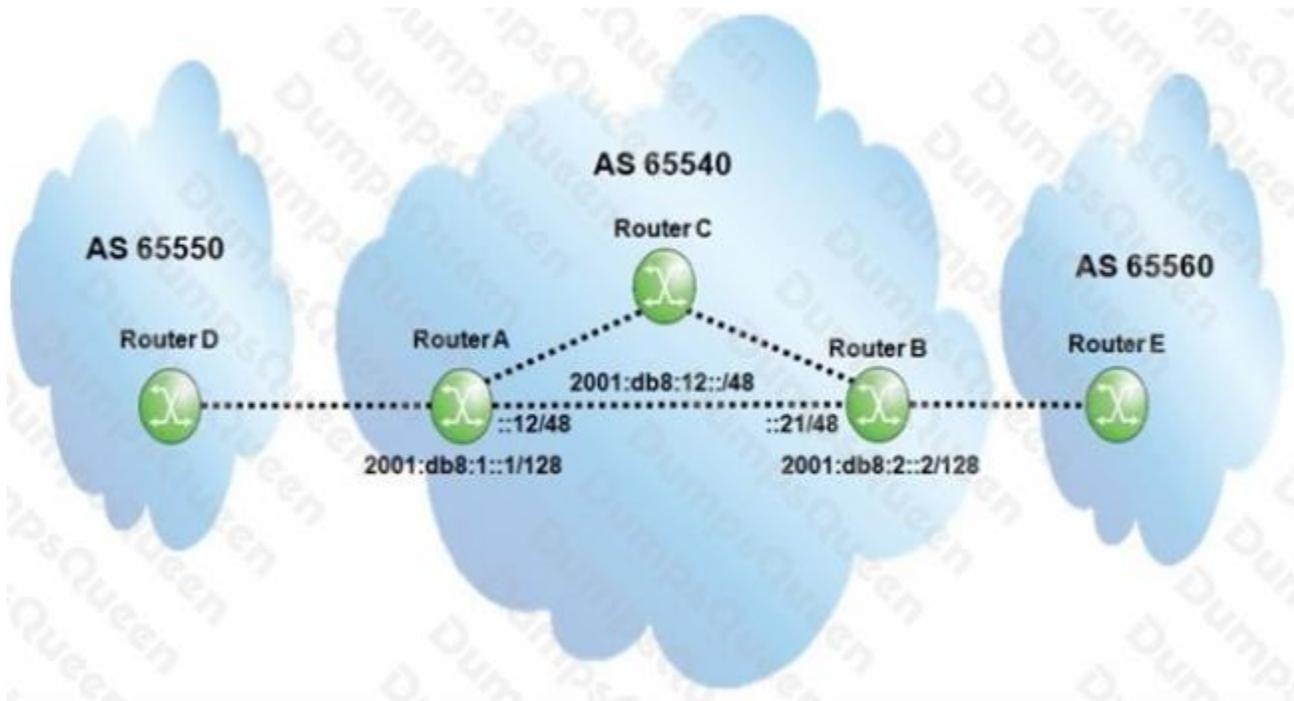
Assume all router-IDs are properly configured, and global IPv6 addresses are used to establish eBGP sessions. Which of the following configurations is required on router A so that router B can exchange traffic with router D?

A. group "IPv6_iBGP"
   family ipv6
   next-hop-self
   peer-as 65540
   neighbor 2001:DB8:2::2
   exit
   exit

B. group "IPv6_iBGP"
   next-hop-self
   type internal
   peer-as 65540
   neighbor 2001:DB8:2::2
   exit
   exit

C. group "IPv6_iBGP"
   family ipv6
   peer-as 65540
   neighbor 2001:DB8:2::2
   exit
   exit

D. group "IPv6_iBGP"
   family ipv6
   next-hop-self
   type internal
   neighbor 2001:DB8:2::2
   exit
   exit

A. Option A

B. Option B

C. Option C

D. Option D

ANSWER: A

QUESTION NO: 8

Which of the following is considered a best practice for BGP address planning?

A. Advertising external networks into IGP.

B. Using system addresses for setting up iBGP sessions.

C. Exporting the networks associated with the external links of eBGP peers into BGP.

D. Optimizing BGP route table by exporting IGP routes into BGP.

ANSWER: B

QUESTION NO: 9

Click the exhibit.
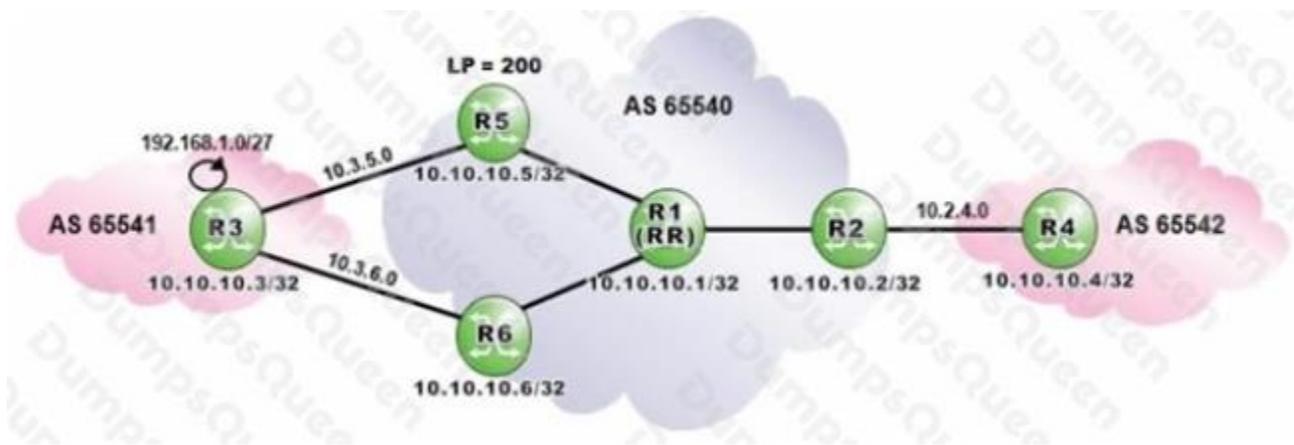
Router R1 is a route reflector with clients R2, R5 and R6. Prefixes advertised by router R5 have a local preference of 200. Router R3 advertises the prefix 192.168.1.0/27 to routers R5 and R6.

Assuming that none of the routers in AS 65540 is configured with "advertise-external", what is the expected output of "show router bgp routes" on router R5?

A.

Flag	Network		LocalPref	MED
	Nexthop		Path-Id	VPNLabel
	As-Path			
u*>i	192.168.1.0/27		200	None
	10.3.5.3		None	-
	65541			

B.

Flag	Network		LocalPref	MED
	Nexthop		Path-Id	VPNLabel
	As-Path			
u*>i	192.168.1.0/27		None	None
	10.3.5.3		None	-
	65541			
i	192.168.1.0/27		200	None
	10.10.10.5		None	-
	65541			
i	192.168.1.0/27		100	None
	10.10.10.6		None	-
	65541			

C.

Flag	Network		LocalPref	MED
	Nexthop		Path-Id	VPNLabel
	As-Path			
u*>i	192.168.1.0/27		None	None
	10.3.5.3		None	-
	65541			
i	192.168.1.0/27		200	None
	10.10.10.5		None	-
	65541			

D.

Flag	Network		LocalPref	MED
	Nexthop		Path-Id	VPNLabel
	As-Path			
u*>i	192.168.1.0/27		200	None
	10.10.10.5		None	-
	65541			
i	192.168.1.0/27		100	None
	10.10.0.6		None	-
	65541			

A. Option A

B. Option B

C. Option C

D. Option D

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ANSWER: C

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QUESTION NO: 10

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Which of the following statements about route reflector clusters is FALSE?

A. Multiple clusters may be configured within an AS.

B. Within an AS, route reflectors belonging to different clusters do not need to be fully-meshed among themselves.

C. A router can be the client of multiple route reflectors within its AS.

D. When a route reflector reflects a route, it adds its cluster ID to the Cluster_list attribute.

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ANSWER: D

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