



H31-161^{Q&As}

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

Exhibit.



As shown in the figure, one enterprise has VPN A, the other has VPN B, and the two VPNs each have two CEs. The following requirements need to be met.

VPN A-CA 1 can interwork with VPN A-CE 2

2>VPN A-CE 1 can interwork with VPN A-CE 2.

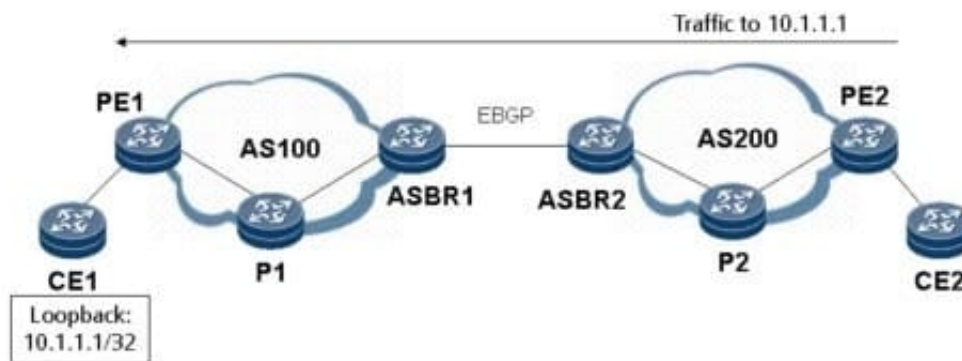
The figure shows the types of links between CEs and PEs and the IDs used in Martini mode. Which of the following VC ID configurations are correct?

- A. VCID1 = 1, VCID2 = 2, VCID3 = 3, VCID4 = 4
- B. VCID1 = 2, VCID2 = 2, VCID3 = 2, VCID4 = 2
- C. VCID1 = 1, VCID2 = 2, VCID3 = 1, VCID4 = 2
- D. VCID1 = 1, VCID2 = 1, VCID3 = 2, VCID4 = 2

Correct Answer: A

QUESTION 2

Refer to the exhibit.



As shown in the figure, inter-AS VPN Option A is used. CE 1 and CE 2 belong to the same VPN. AS 100 and AS 200 run IGP and LDP, respectively. ASBRs communicate with each other through EBGP. The loopback interface address of CE 1 is 10.1.1.1/24. Suppose CE 2 can ping CE 1. Which router allocates an inner label when PE 2 forwards packets from CE 2 to CE 1?

- A. PE 1
- B. P1
- C. ASBR 1
- D. ASBR 2
- E. P2

Correct Answer: D

QUESTION 3

About the merits and demerits of inter-AS VPN-IPv4 Option B using MP-EBGP between ASBRs, which statement is true?

- A. The inter-AS scheme in Option B is an inherent feature of VPN.
- B. VRFs matching PEs must be configured on the ASBR.
- C. An ASBR is required to store all VPN routes, which challenges the performance of the ASBR.
- D. An ASBR does not store VPN routes but sends them out as label data.

Correct Answer: C

QUESTION 4

Which of the following statements about the destination addresses of packets and the Router Alert option are true?

- A. The Path message carrying the Router Alert option is sent to the egress node.
- B. The Resv message carrying the Router Alert option is sent to the ingress node.



- C. The PathTear message without the Router Alert option is sent to the next hop.
- D. The ResvTear message without the Router Alert option is sent to the previous hop.

Correct Answer: A

QUESTION 5

Which of the following statements about the Martini VPLS are true?

- A. When LDP is used to transmit signaling, LDP TLVs carry the VPLS information.
- B. Labels are allocated for PWs in DU mode when they are established.
- C. Labels are allocated for PWs in DoD mode when they are established.
- D. Labels are retained using the liberal label retention method.
- E. A VC must be established using remote LDP.

Correct Answer: BD

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