H31-161 Q&As

HCIE-Carrier IP (Written) V2.0

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QUESTION 1

Which of the following statements about control words in the L2VPN are true?

A. When SVC VLL is used, if PEs at two ends of a VC use different control words, the may not become Up.

B. When Martini VLL is used, if PEs at two ends of a virtual connection (VC) use different control words, the VC may not become Up

C. The control word can be used to identically the packet sequence.

D. A control word generally has two bytes and can ne extended to four bytes.

E. The control word can be used for packet padding For example, when the public network uses Ethernet and the AC uses Peer-to-protocol (PPP), control words can be used to transfer and identify PPP packet with a bytes.

Correct Answer: D

QUESTION 2

Which statement about the Hub s MPLS VPN networking is false?

A. The Hub PE can receive the VPN_IPv4 routes advertised by all Spoke PEs.

B. When an MP-IBGB neighbor relationship is established between two spoke PEs, the value of the Import VPN Target attribute of one Spoke PE can be the same as tat of the Export VPN Target attribute of the other Spoke PE.

C. The Hub PE advertises the routes learned from one Spoke PE to other Spoke PEs. Therefore, Spoke sites can access other through the Hub site.

D. All Spoke PEs can receive the VPN-IPv4 routes advertised by the Hub PE.

Correct Answer: B

QUESTION 3

In the access architecture of an IP bearer network, the OSPF protocol is enabled between two access routers, two firewalls (in transparent mode), and two Layer 3 switches. Softswitches work in active/standby mode. VRRP is enabled between the softswitches to provide a gateway. In normalcases, SW1 is the master router and SW2 is the backup router. Considering the reliability of the access network, how would you plan the cost value of each link in the OSPF area?

A. a=b=c=d

B. c>a+b+d

C. d>a+b+c

D. a=b>c=d

Correct Answer: C

QUESTION 4

Refer to the exhibit.
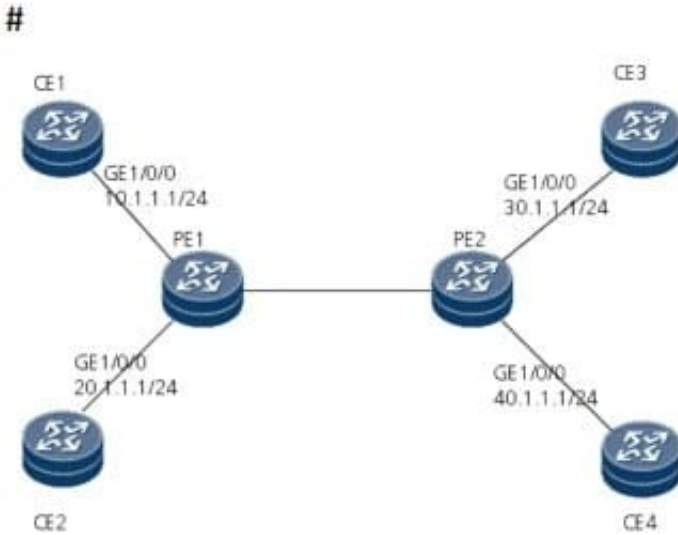
As shown in the figure, CE 1 and CE 3 belong to VPN A, CE 2 and CE 4 belong to VPN B, and users on different VPNs are not allowed to access each other. Which of the following configurations can enable mutual access between CE 1 and CE 4 but forbid cross-VPN access between other CEs?

Configuration of PE 1:

sysname PE 1

ip vpn-instance vpna route-distinguisher 100:1vpn-target 1:1 3:3 export-extcommunity vpn-target 1:1 3:3 import-extcommunity # i p vpn-instance vpnb route-distinguisher 100:2 vpn-target 2:2 4:4 export-extcommunity vpn-target 2:2 4:4 import-extcommunity # Configuration of PE 2:

sysname PE 2 # ip vpn-instance vpna route-distinguisher 200:1 vpn-target 1:1 export-extcommunity vpn-target 1:1 import-extcommunity # ip vpn-instance vpnb route-distinguisher 200:2 vpn-target 2:2 4:4 export-extcommunity vpn-target 2:2 4:4 import-extcommunity

A. Run vpn-target 1:1 on VPN b of PE 2 The configuration is as follows: [PE 2]ip vpn vpnb [PE 2-vpn-instance-vpnb]vpn-target 1:1 export-extcommunity [PE 2-vpn-instance-vpnb]vpn-target 1:1 import-extcommunity

B. Run vpn-target 2:2 on VPN a of PE 1The configuration is as follows: [PE 1]ip vpn vpna [PE 1-vpn-instance-vpna]vpn-target 2:2 export-extcommunity [PE 1-vpn-instance-vpna]vpn-target 2:2 import-extcommunity

C. Run vpn-target 3:3 on VPN b of PE 2 The configuration is as follows: [PE 2]ip vpn vpnb [PE 2-vpn-instance-vpnb]vpn-target 3:3 export-extcommunity [PE 2-vpn-instance-vpnb]vpn-target 3:3 import-extcommunity "

D. Run vpn-target 4:4 on VPN a of PE 1 The configuration is as follows: [PE 1]ip vpn vpna [PE 1-vpn-instance-vpna]vpn-target 4:4 export-extcommunity [PE 1-vpn-instance-vpna]vpn-target 4:4 import-extcommunity

Correct Answer: C

QUESTION 5

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 needs to be met.

VPNA-CA 1 can interwork with VPNA-CE 2

2>VPNA-CE 1 can interwork with VPNA-CE 2.

The figure shows the types of links between CEs and PEs and the IDs used in Martini mode. Which 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

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