



**Free Questions for 300-515 by certsdeals**

**Shared by Ortiz on 07-06-2022**

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# Question 1

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**Question Type:** MultipleChoice

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Refer to the exhibit.

**R1**

```
router bgp 65010
no bgp default ipv4-unicast
neighbor 192.168.1.1 remote-as 65010
address-family ipv4
neighbor 192.168.1.1 activate
```

Which statement describes the result of this BGP configuration?

## Options:

---

- A)** R1 operates using IPv4 and VPNv4 address families.
- B)** R1 operates on IPv6 only because the bgp default ipv4-unicast command is missing.
- C)** R1 establishes a VPNv4 eBGP relationship with neighbor 192.168.1.1.
- D)** R1 establishes an iBGP relationship with peer 192.168.1.1.

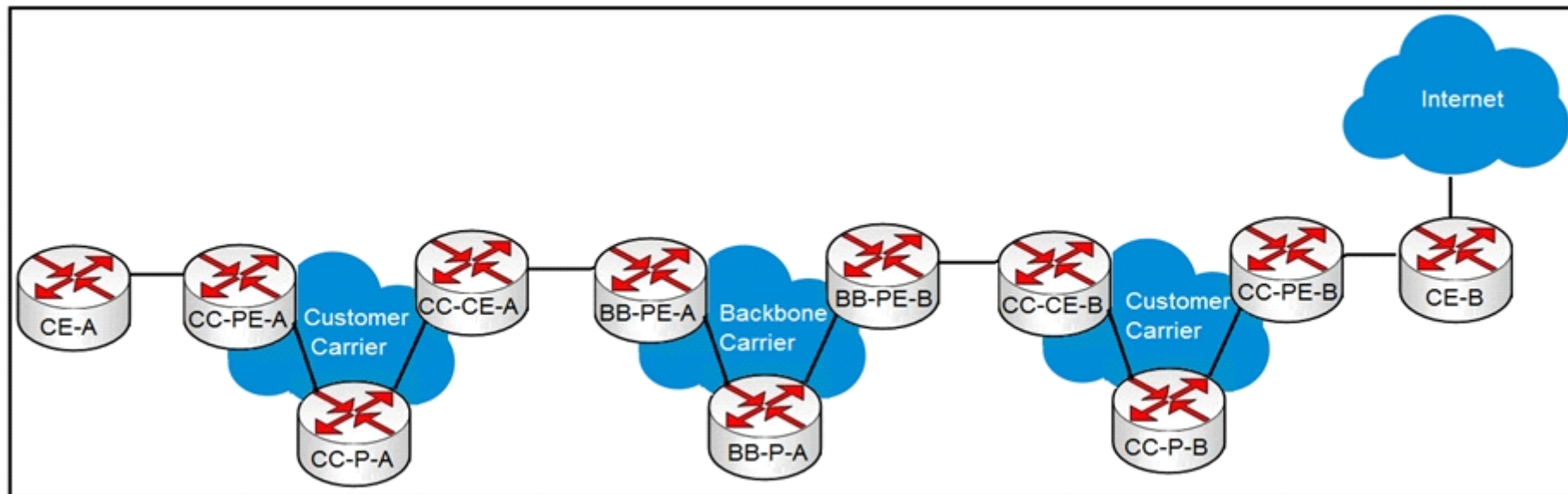
Answer:

D

## Question 2

Question Type: MultipleChoice

Refer to the exhibit.



A customer carrier running MPLS VPN wants to utilize a backbone carrier to forward traffic and exchange VPNv4 prefixes between the two customer carrier networks depicted. Which two sets of routers must establish MP-iBGP sessions? (Choose two.)

**Options:**

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- A) BB-PE-A and CC-PE-B
- B) CC-PE-A and CC-PE-B
- C) BB-PE-A and BB-PE-B
- D) CC-PE-A and BB-PE-A
- E) BB-PE-A and BB-P-A
- F) CC-PE-A and CC-P-A

**Answer:**

---

B, C

**Explanation:**

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[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp\\_ias\\_and\\_csc/configuration/12-2sx/mp-ias-and-csc-12-2sx-book/mp-carrier-bgp.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_ias_and_csc/configuration/12-2sx/mp-ias-and-csc-12-2sx-book/mp-carrier-bgp.html)

## Question 3

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**Question Type:** MultipleChoice

---

While implementing Layer 3 MPLS VPN, which feature should an engineer use at the PEs to transform the customer IPv4 prefixes into a unique 96-bit prefix?

**Options:**

---

- A) RT
- B) VC ID
- C) RD
- D) PW ID

**Answer:**

---

C

## Question 4

---

**Question Type:** MultipleChoice

---

Refer to the exhibit.

```
interface Loopback0
 ip address 1.1.1.1 255.255.255.255
 ip ospf 1 area 0
 !
interface GigabitEthernet0/1/0
 ip address 10.0.2.1 255.255.255.252
 !
service instance 101 ethernet
 encapsulation dot1q 101
 rewrite ingress tag pop 1 symmetric

 12vpn evpn instance 100 point-to-point
 !
 vpws context vc100
  service target 2 source 1
  member GigabitEthernet0/1/0 service-instance 101
 !
interface GigabitEthernet0/1/1
 ip address 10.0.1.1 255.255.255.0
 ip ospf 1 area 0
 mpls ip
 !
router bgp 65500
 bgp router-id 1.1.1.1
 neighbor 2.2.2.2 remote-as 65501
 neighbor 2.2.2.2 update-source Loopback0
 !
 address-family ipv4
  neighbor 2.2.2.2 activate
 exit-address-family
 !
 address-family 12vpn evpn
  neighbor 2.2.2.2 activate
 exit-address-family
 !
```

An engineer is trying to configure an EVPN VWPS. What is the issue with this configuration?

**Options:**

---

- A) The member in the VPWS context should be the PE-facing interface.
- B) The 12vpn evpn command should be instance 101.
- C) Interface GigabitEthernet0/1/0 should not have any IP address.
- D) The service instance and the EVPN instance are different.

**Answer:**

---

C

**Explanation:**

---

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp\\_l2\\_vpns/configuration/xe-3s/asr903/16-7-1/b-mpls-l2-vpns-xe-16-7-asr900/epvn\\_vpws\\_single\\_homed.pdf](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_l2_vpns/configuration/xe-3s/asr903/16-7-1/b-mpls-l2-vpns-xe-16-7-asr900/epvn_vpws_single_homed.pdf)

## Question 5

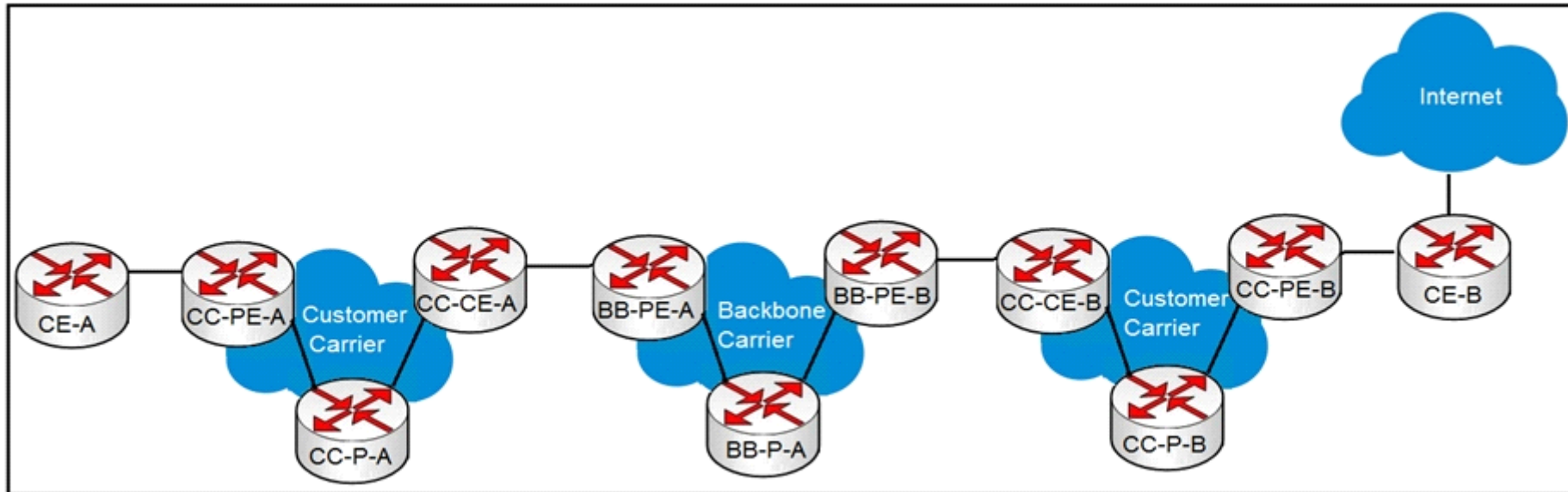
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---

Refer to the exhibit.



A customer carrier running MPLS VPN wants to utilize a backbone carrier to forward traffic and exchange VPNv4 prefixes between the two customer carrier networks depicted. Which two sets of routers must establish MP-iBGP sessions? (Choose two.)

**Options:**

---

- A) BB-PE-A and CC-PE-B

- B) CC-PE-A and CC-PE-B
- C) BB-PE-A and BB-PE-B
- D) CC-PE-A and BB-PE-A
- E) BB-PE-A and BB-P-A
- F) CC-PE-A and CC-P-A

**Answer:**

---

B, C

**Explanation:**

---

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp\\_ias\\_and\\_csc/configuration/12-2sx/mp-ias-and-csc-12-2sx-book/mp-carrier-bgp.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_ias_and_csc/configuration/12-2sx/mp-ias-and-csc-12-2sx-book/mp-carrier-bgp.html)

## Question 6

---

**Question Type:** MultipleChoice

---

Refer to the exhibit.



```
interface Loopback0
 ip address 1.1.1.1 255.255.255.255
 ip ospf 1 area 0
 !
interface GigabitEthernet0/1/0
 ip address 10.0.2.1 255.255.255.252
 !
service instance 101 ethernet
 encapsulation dot1q 101
 rewrite ingress tag pop 1 symmetric

 12vpn evpn instance 100 point-to-point
 !
 vpws context vc100
  service target 2 source 1
  member GigabitEthernet0/1/0 service-instance 101
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 ip ospf 1 area 0
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 !
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 bgp router-id 1.1.1.1
 neighbor 2.2.2.2 remote-as 65501
 neighbor 2.2.2.2 update-source Loopback0
 !
 address-family ipv4
  neighbor 2.2.2.2 activate
 exit-address-family
 !
 address-family 12vpn evpn
  neighbor 2.2.2.2 activate
 exit-address-family
 !
```

An engineer is trying to configure an EVPN VWPS. What is the issue with this configuration?

**Options:**

---

- A) The member in the VPWS context should be the PE-facing interface.
- B) The 12vpn evpn command should be instance 101.
- C) Interface GigabitEthernet0/1/0 should not have any IP address.
- D) The service instance and the EVPN instance are different.

**Answer:**

---

C

**Explanation:**

---

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp\\_l2\\_vpns/configuration/xe-3s/asr903/16-7-1/b-mpls-l2-vpns-xe-16-7-asr900/epvn\\_vpws\\_single\\_homed.pdf](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/mp_l2_vpns/configuration/xe-3s/asr903/16-7-1/b-mpls-l2-vpns-xe-16-7-asr900/epvn_vpws_single_homed.pdf)

## Question 7

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**Question Type: MultipleChoice**

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While implementing Layer 3 MPLS VPN, which feature should an engineer use at the PEs to transform the customer IPv4 prefixes into a unique 96-bit prefix?

**Options:**

---

- A) RT
- B) VC ID
- C) RD
- D) PW ID

**Answer:**

---

C

## Question 8

---

**Question Type: MultipleChoice**

---

Refer to the exhibit.

**R1**

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- C) R1 establishes a VPNv4 eBGP relationship with neighbor 192.168.1.1.
- D) R1 establishes an iBGP relationship with peer 192.168.1.1.

**Answer:**

---

D

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