



# 4A0-104<sup>Q&As</sup>

Alcatel-Lucent Services Architecture

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**QUESTION 1**

An IPv4 MPLS provider network is being configured for 6VPE. BGP is being used for the PE-CE protocol to exchange IPv6 routes. Which of the following is FALSE?

- A. MP-BGP in the provider network needs to support the VPN-IPv6 address family.
- B. PE routers must be configured to run MP-BGP.
- C. PE-to-CE BGP sessions need to be configured to support IPv6.
- D. The provider network core must be configured to support IPv6.

Correct Answer: D

**QUESTION 2**

Click the exhibit.

```
#-----  
echo "BGP Configuration"  
#-----  
    bgp  
        group "multi-bgp"  
            ? ? ?  
            neighbor 10.10.10.2  
                local-address 10.10.10.1  
                peer-as 64496  
            exit  
        exit  
    exit  
exit
```

This PE is connected to an IPv4 core and is being configured to support 6VPE for a VPRN. Which of the following completes this section of the configuration?

- A. Family ipv4
- B. Family ipv6
- C. Family ipv4 ipv6



D. Family vpn-ipv4

E. Family vpn-ipv4 vpn-ipv6

Correct Answer: E

---

### QUESTION 3

What command syntax would be used to create a new IES service with a service id of 5 and a customer id of 1000?

A. configure ies 5 customer 1000 create

B. configure router ies 5 customer 1000 create

C. configure service ies 5 customer 1000 create

D. configure router ies 5 customer 1000

Correct Answer: C

---

### QUESTION 4

Which of the following best describes an IES?

A. Layer 3 direct Internet access service.

B. Layer 2 point-to-point service.

C. Layer 2 multipoint-to-multipoint service.

D. Layer 3 IP multipoint-to-multipoint VPN service.

Correct Answer: A

---

### QUESTION 5

Choose the following components that are necessary for the configuration of a mirror service. (Choose two.)

A. A mirror destination to indicate which ports to monitor.

B. A mirror source to indicate which ports to monitor.

C. A mirror destination to indicate on which sap or sdp traffic should be replicated.

D. A mirror source to indicate on which sap or sdp traffic should be replicated

Correct Answer: BC

---

### QUESTION 6



Click the exhibit.

```
A:R4# show router 100 fib 1

=====
FIB Display
=====
Prefix                                     Protocol
  NextHop
-----
10.1.5.0/24
   10.10.10.1 (VPRN Label:131067 Transport:LDP)
10.6.4.0/24
   10.6.4.0 (R4-R6)
10.10.10.5/32
   10.10.10.1 (VPRN Label:131067 Transport:LDP)
10.10.10.6/32
   10.6.4.6 Indirect (R4-R6)
192.168.10.0/24
   10.10.10.1 (VPRN Label:131067 Transport:LDP)
192.168.20.0/24
   10.6.4.6 Indirect (R4-R6)

Total Entries : 6
=====
```

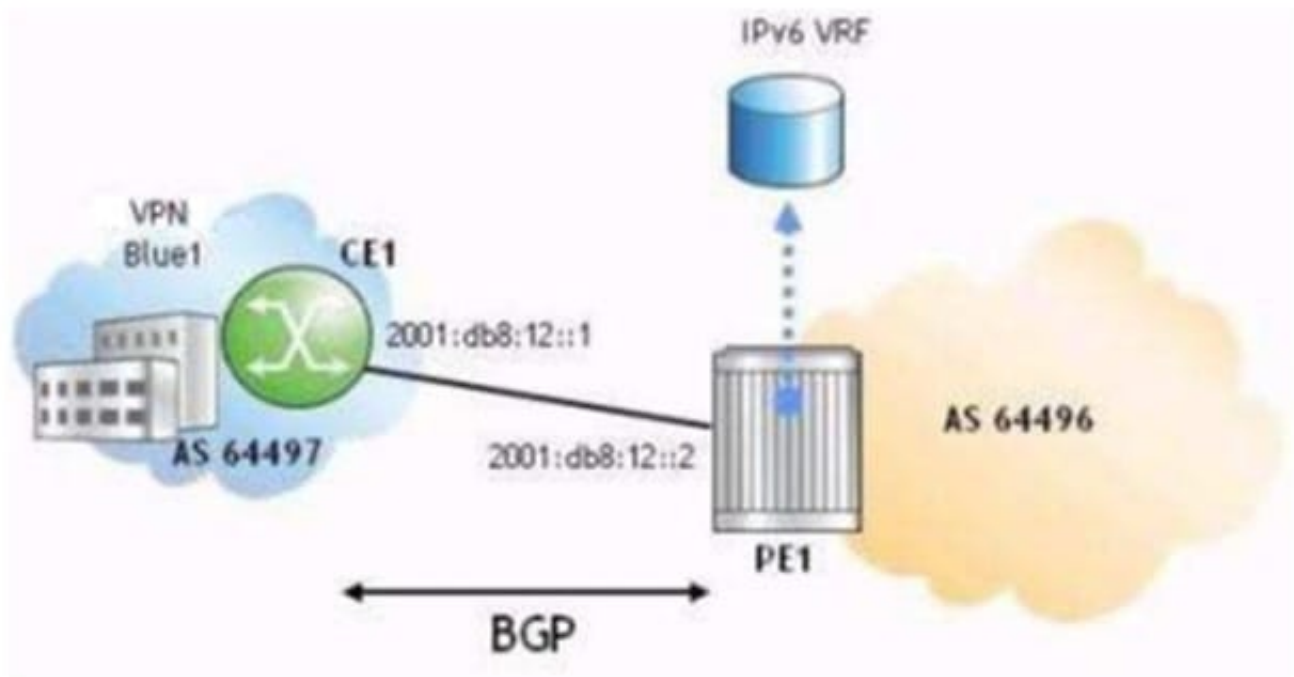
The output is from PE router R4 about VPRN service 100. How many prefixes have been learned from the MP-BGP protocol?

- A. 0
- B. 2
- C. 3
- D. 6

Correct Answer: C

## QUESTION 7

Click the exhibit.



Part of a 6VPE deployment is shown in this exhibit. Which of the following is the correct configuration and context on PE1 for a BGP peering session with CE1?



Ⓐ A. PE1>config>service>vpn>bgp# info

```
-----
group "toCE1"
family ipv6
export "mbgp-bgp"
neighbor 2001:db8:12::1
peer-as 64497
exit
exit
```

Ⓑ B. PE1>config>service>vpn>bgp# info

```
-----
group "toCE1"
family ipv6
export "mbgp-bgp"
neighbor 2001:db8:12::1
peer-as 64496
exit
exit
```

Ⓒ C. PE1>config>router>bgp# info

```
-----
group "toCE1"
family ipv6
export "mbgp-bgp"
neighbor 2001:db8:12::1
peer-as 64497
exit
exit
```

Ⓓ D. PE1>config>router>bgp# info

```
-----
group "toCE1"
family ipv6
export "mbgp-bgp"
neighbor 2001:db8:12::1
peer-as 64496
exit
exit
```

A. Option A

B. Option B

C. Option C



D. Option D

Correct Answer: A

---

### QUESTION 8

Which of the following statements is TRUE concerning a VPRN data plane flow?

- A. A data packet will receive a service label at the CE and a transport label at the ingress PE.
- B. A data packet intended for a remote CE will have its service label swapped at each P router along the path towards the egress PE.
- C. At the egress PE, the transport label will be popped and the data packet forwarded with the service label.
- D. The service label is popped by the remote CE. The unlabeled packet is forwarded based on the longest match lookup algorithm in the VRF.
- E. All of the above statements are false.
- F. All of the above statements are true.

Correct Answer: E

---

### QUESTION 9

Which of the following SAP encapsulations does NOT support multiple services on a port?

- A. Dot1q
- B. Null
- C. QinQ
- D. ATM

Correct Answer: B

---

### QUESTION 10

Click the exhibit. This output is from router R4. Service 333 is a VPLS. Why might the peer 10.10.10.1 have the same value for IngLbl and EgrLbl?

- A. The labels are of local significance only, so other routers can use the same value.
- B. 10.10.10.1 has yet to send its own unique label.
- C. Router R4 is using the same tunnel to send and receive to 10.10.10.1.
- D. The service on 10.10.10.1 is down, so it is rejecting packets.



Correct Answer: A

---

#### QUESTION 11

What happens by default on a Nokia 7750 SR when a VPLS accepts a tagged frame at the ingress SAP 1/1/1:100?

- A. The FCS is verified and kept in the customer frame. The VLAN tag is kept and transported over the network.
- B. The FCS is verified and kept in the customer frame. The VLAN tag is removed for transport over the network.
- C. The FCS is verified and removed from the frame. The VLAN tag is kept for transport over the network.
- D. The FCS is verified and removed from the frame. The VLAN tag is removed for transport over the network.

Correct Answer: D

---

#### QUESTION 12

On which object is ADSPEC enabled?

- A. SDP
- B. Network port
- C. LSP
- D. Service
- E. RSVP

Correct Answer: C

---

#### QUESTION 13

When a physical port is configured for null encapsulation, many SAPs can be configured using that port.

- A. TRUE
- B. FALSE

Correct Answer: B

---

#### QUESTION 14

Which of the following about VPLS MAC learning is FALSE?

- A. The PE routers of the service are responsible for learning MAC addresses.
- B. Flooding ensures that all PEs in a fully-meshed VPLS will learn the source address of all traffic.



C. MAC learning reduces flooding of frames with previously learned addresses.

D. Multiple VPLSes on the same PE share the same MAC FDB.

Correct Answer: D

---

#### QUESTION 15

Which of the following conditions are necessary in order for service labels to be signaled between two PE routers? (Choose three.)

A. LDP must be enabled on both PE routers.

B. RSVP must be enabled on both PE routers.

C. Traffic engineering must be enabled in the IGP.

D. The VC-ID must match between the two PE routers in both directions.

E. The transport tunnel must be operationally up between the two PE routers in both directions.

F. The SDP ID must match between the two PE routers in both directions.

Correct Answer: ADE

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