

4A0-106^{Q&As}

Alcatel-Lucent Virtual Private Routed Networks

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QUESTION 1

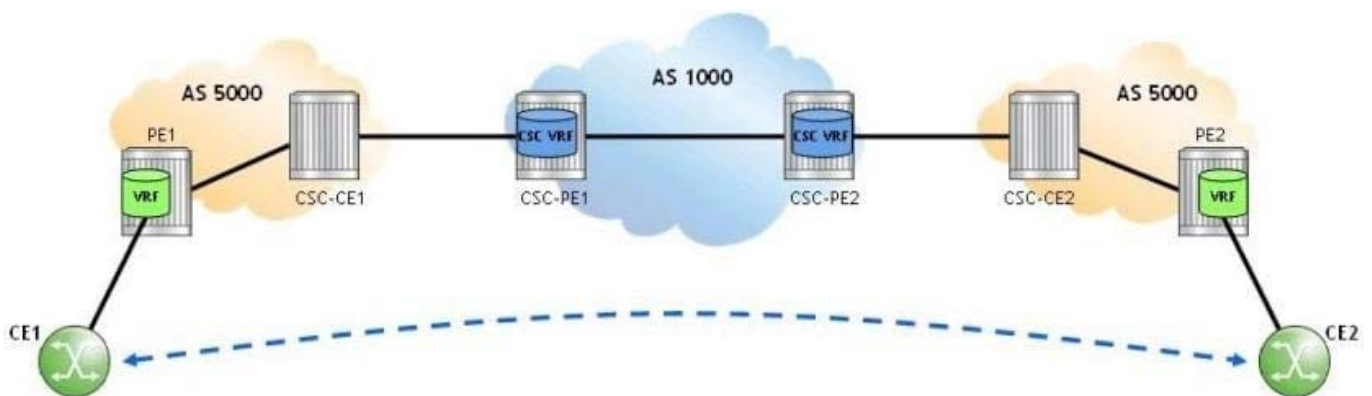
Which of the following about inter-AS model AVPRN is TRUE?

- A. It is the most scalable of the Inter-AS models.
- B. VRF configuration is not required on the ASBRs.
- C. Most routers that support VPRN functionality do not support model A by default.
- D. It is not necessary to run MPLS at the boundary between autonomous systems.

Correct Answer: D

QUESTION 2

Click the exhibit.



A Carrier Supporting Carrier (CSC) VPRN is configured on an Alcatel-Lucent 7750 SR for a customer carrier offering VPRN services. Which of the following configuration steps is NOT required?

- A. Creating an export policy on CSC-CE1 and CSC-CE2 to advertise local PE addresses to the network provider.
- B. Configuring eBGP between CSC-CE and CSC-PE routers; setting the address family to IPv4; and enabling the advertisement of labels for IPv4 routes.
- C. Configuring iBGP between PE and CSC-CE within each customer carrier site; setting the address family to IPv4; and enabling the advertisement of labels for IPv4 routes.
- D. Configuring MP-iBGP between PE1 and PE2; setting the address family to IPv4; and enabling the advertisement of labels for IPv4 routes.

Correct Answer: D

QUESTION 3

In the output from an Alcatel-Lucent 7750 SR shown below, what does the highlighted text represent?

```
A:PE-1# show router bgp routes
=====
BGP Router ID : 10.10.10.10      AS : 65100      Local AS : 65100
=====
Legend -
Status codes  : u - used, s - suppressed, h - history, d - decayed, * - valid
Origin codes  : i - IGP, e - EGP, ? - incomplete, > - best
=====
BGP Routes
=====
Flag  Network                Nexthop      LocalPref  MED
     VPN Label                As-Path
-----
u*>? 65100:10:10.1.2.0/24      10.10.10.50  100        none
     131071                  No As-Path
u*>? 65100:10:10.10.10.78/32  10.10.10.50  100        none
     131071                  No As-Path
u*>i  65100:10:10.32.1.0/24    10.10.10.50  100        none
     131071                  No As-Path
```

- A. The LDP identifier
- B. The Service identifier
- C. The Route Target
- D. The Route Distinguisher
- E. The tunnel label

Correct Answer: D

QUESTION 4

Which of the following terms also correctly describes a Layer 3 VPN?(Choose three)

- A. VPRN
- B. BGP/MPLS VPN
- C. VLL
- D. VPLS
- E. IP-VPN
- F. ePipe

Correct Answer: ABE

QUESTION 5

A VPLS spoke SDP is terminated on a VPRN service. The remote side of the spoke SDP is operationally "Down" with a flag of "Service MTU Mismatch". Which command can you use on an Alcatel-Lucent 7750 SR to show the signaled operational VC-MTU?

- A. show service id base
- B. show router ldp bindings
- C. show service id sdp detail
- D. show service id vc-mtu

Correct Answer: B

QUESTION 6

Which of the following about the configuration of VPRN Outbound Route Filtering (ORF on an Alcatel-Lucent 7750 SR is TRUE?

- A. The ORF configuration must be done under the BGP neighbor context only.
- B. When sending is enabled, the ORF function takes the route target list configured in all outbound policies and pushes this list to the peer by default.
- C. When configuring ORF, the session with the peer must be cleared/reset for the new capability negotiation to take place.
- D. When Outbound Route Filtering is configured, both the sending and acceptance of ORF are enabled by default.

Correct Answer: C

QUESTION 7

Which of the following about the configuration of an inter-AS model C VPRN is FALSE?

- A. MP-iBGP sessions must be configured between the PE routers in each AS.
- B. LDP must be configured in each AS.
- C. MP-eBGP sessions must be configured between the ASBRs.
- D. The ASBRs must be configured with "enable-inter-as-vpn".

Correct Answer: D

QUESTION 8

Which of the following VPRN label allocation methods are supported by the Alcatel-Lucent 7750 SR?

- A. One label per VRF per route
- B. One label per VRF per next-hop
- C. One label per VRF
- D. All of the above
- E. A and C
- F. B and C

Correct Answer: F

QUESTION 9

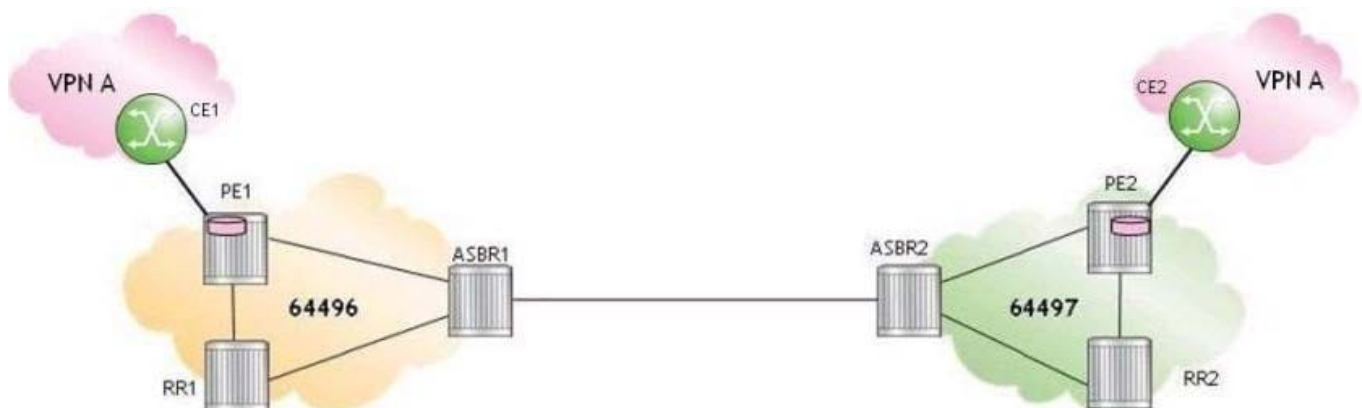
Which of the following describes how a route is handled when is received at the PE from the local CE?

- A. It will be placed into the customer VRF and automatically propagated into the BGP table
- B. It will be placed into the customer VRF and then be propagated to the BGP table only if BGP is used as the PE-CE protocol
- C. It will be placed into the customer VRF and require an export policy to be propagated to the BGP table
- D. It will be placed into the customer VRF and require an export policy to be propagated to the BGP table if RIP is used as the PE-CE protocol
- E. It will be placed into the customer VRF and require an export policy to be placed into the BGP table if a protocol other than BGP is used as the PE-CE protocol

Correct Answer: A

QUESTION 10

Click the exhibit.



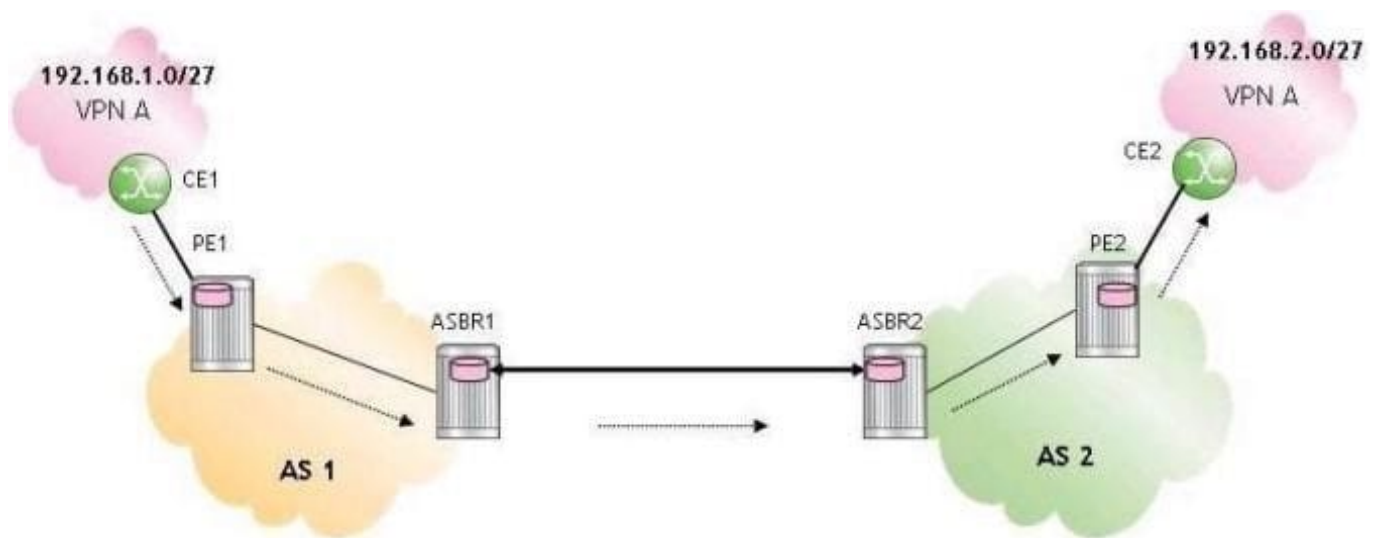
For the inter-AS model C VPRN, how many labels does PE1 push on a data packet received from CE1 and destined to CE2?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: C

QUESTION 11

Click the exhibit.



For the inter-AS model A VPRN. BGP is used as the PE-CE routing protocol. Which of the following statements about the control plane operation is TRUE?

- A. PE1 sends an IPv4 update for prefix 192.168.1.0/27 via MP-BGP to ASBR1.
- B. ASBR1 sends an IPv4 update for prefix 192.168.1.0/27 to ASBR2.
- C. ASBR1 transforms an IPv4 update for prefix 192.168.1.0/27 to a VPN-IPv4 route; allocates VPN label V1 and sends the update to ASBR2.
- D. ASBR2 accepts a VPN-IPv4 update from ASBR1, then sends the update to PE2 via MP-BGP.

Correct Answer: B

QUESTION 12

Which of the following about the Route Target is TRUE?

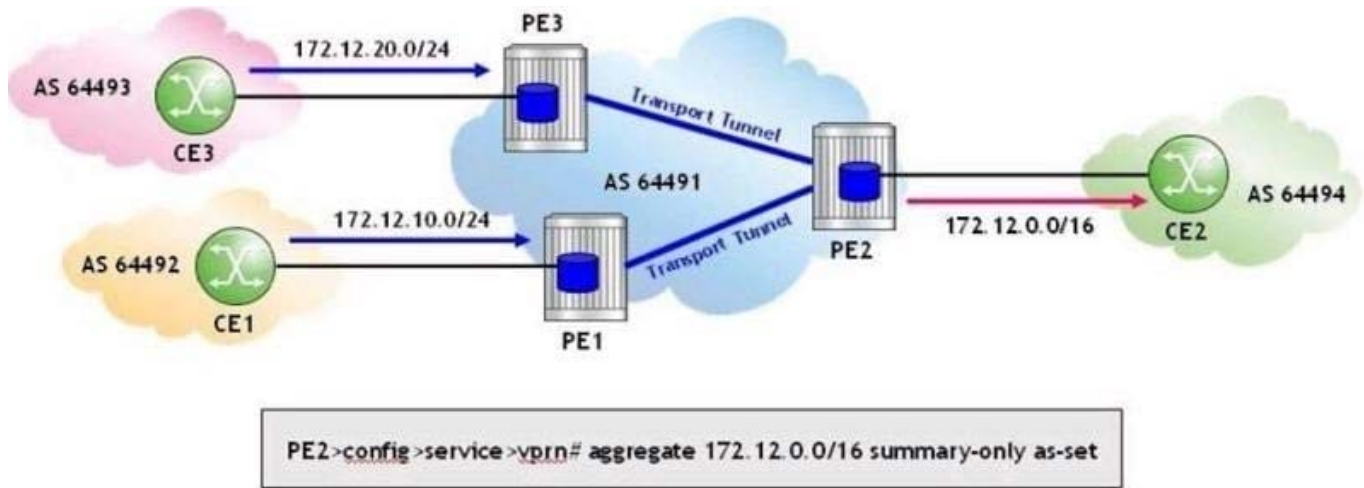
- A. The Route Target is added to an IPv4 route to create the VPN-IPv4 route.
- B. The Route Target is an extended community string that identifies VPN membership.

- C. A route can have only one Route Target.
- D. The Route Target is a 64-bit value added to customer prefixes to make them unique.

Correct Answer: B

QUESTION 13

Click the exhibit.



If the displayed command is executed, what is the correct value of AS-Path in the BGP route 172.12.0.0/16 advertised by PE2?

- A. 64491 {64492 64493}
- B. 64491
- C. 64492 64493 64491
- D. {64492 64493}64491

Correct Answer: A

QUESTION 14

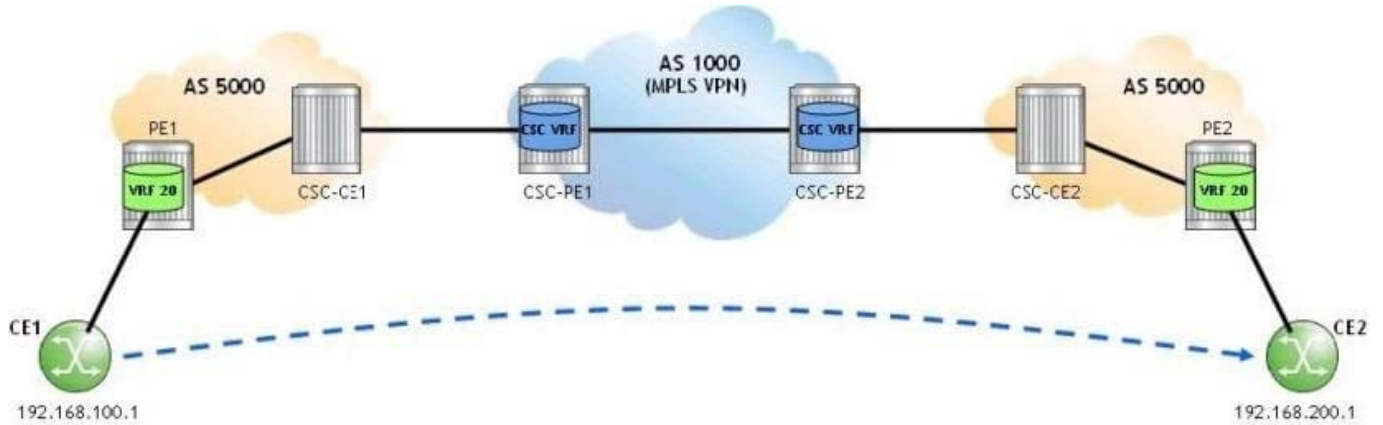
In a VPRN that uses MPLS transport tunnels, which of the following is NOT configured on the PE device?

- A. MP-BGP for exchanging customer routes with other PEs.
- B. A routing protocol for exchanging customer routes with the CE.
- C. A label signaling protocol for defining transport tunnels between the PE and CE.
- D. MPLS for exchanging labels with other provider core devices.

Correct Answer: C

QUESTION 15

Click the exhibit.



A Carrier Supporting Carrier (CSC) VPRN is configured for a customer carrier who is a BGP/MPLS service provider. If CE1 sends an IP packet to 192.168.200.1, which of the following is FALSE?

- A. CE1 forwards the data packet to PE1 via the VPRN 20 interface.
- B. PE1 pushes two labels on the IP packet: a BGP label and an LDP transport label.
- C. CSC-CE1 pops the LDP label and swaps the BGP label.
- D. CSC-PE1 pops the BGP label and pushes a VPN label and an MPLS transport label.

Correct Answer: B

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