



4A0-106^{Q&As}

Alcatel-Lucent Virtual Private Routed Networks

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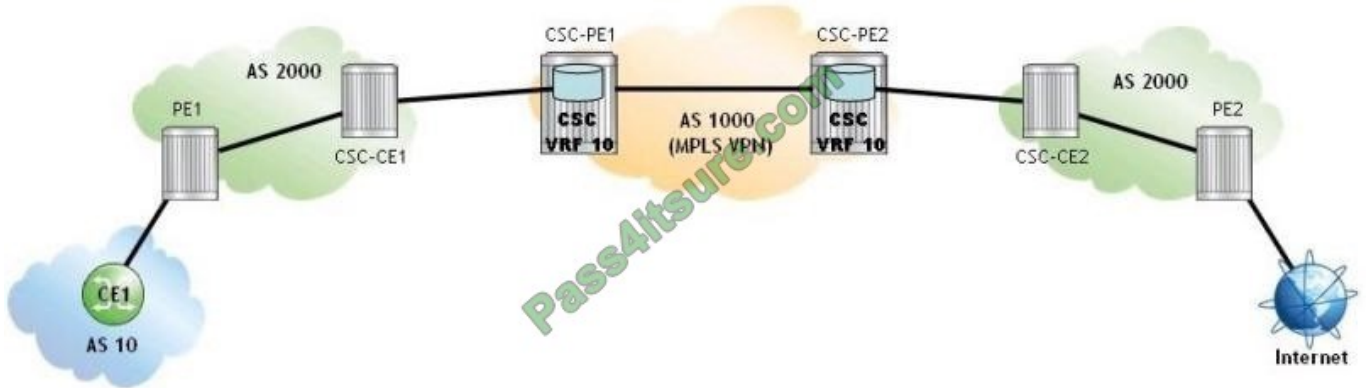
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QUESTION 1

Click the exhibit.



A Carrier Supporting Carrier (CSC) VPRN is configured for a customer carrier who is an Internet Service Provider (ISP). Which of the following about route distribution is FALSE?

- A. The VRF 10 on CSC-PE1 includes PE1 and PE2's system addresses.
- B. The global routing table of PE1 includes PE2's system address.
- C. The VRF 10 on CSC-PE2 includes CE1's address.
- D. The global routing table of PE2 includes CE1's address.

Correct Answer: C

QUESTION 2

Which of the following statements best describes the output from an Alcatel-Lucent 7750 SR shown below?

- A. The BGP session from PE to P is not operational
- B. The BGP session between PEs is operational
- C. The BGP session between PE and CE is not operational
- D. The BGP session from PE to CE is operational
- E. The BGP session between PEs is not operational

Correct Answer: D

QUESTION 3

For the data packets in a VPRN, how is the inner label in an MPLS packet signaled?



- A. Signaled via MP-BGP and used to identify the egress PE.
- B. Signaled via T-LDP and used to identify the customer VPRN.
- C. Signaled via MP-BGP and used to identify the customer VPRN.
- D. Signaled via RSVP and LDP and used to identify the egress PE.
- E. Signaled via RSVP and LDP and used to identify the customer VPRN.

Correct Answer: C

QUESTION 4

Click the exhibit.

```
*A:ASBR1# show router 10 bgp summary
=====
BGP Router ID:10.10.10.3      AS:64496      Local AS:64496
=====
BGP Admin State      : Up          BGP Oper State      : Up
Total Peer Groups    : 1           Total Peers          : 1
Total BGP Paths       : 5           Total Path Memory    : 660
Total IPv4 Remote Rts : 3           Total IPv4 Rem. Active Rts : 3
Total IPv6 Remote Rts : 0           Total IPv6 Rem. Active Rts : 0
Total Suppressed Rts  : 0           Total Hist. Rts      : 0
Total Decay Rts       : 0
=====
BGP Summary
=====
Neighbor
      AS Pkt Rcvd InQ  Up/Down  State|Rcv/Act/Sent (Addr Family)
      Pkt Sent OutQ
-----
10.3.4.4
      -----      106      0 00h50m09s 3/3/3 (IPv4)
                          104      0
=====
```

The displayed output is from an ASBR supporting an inter-AS model A VPRN. Which of the following statements about this output is TRUE?

- A. The neighbor shown is an ASBR router.
- B. The address family between the peers should be VPN-IPv4 instead of IPv4.
- C. The neighbor address cannot be the interface address 10.3.4.4.
- D. The omitted AS number under "BGP summary" must be equal to 64496.

Correct Answer: A

**QUESTION 5**

Which of the following describes the goal of an Extranet VPRN?

- A. To reduce the number of VPRN tunnels required.
- B. To allow routes to be exchanged between all, or selected, sites of one VPRN, and all, or selected, sites of a second VPRN.
- C. To simplify the administration of multiple VPRNs.
- D. To allow network access between the headquarter sites of each VPRN service and a shared VPRN service offered by a third party.

Correct Answer: B

QUESTION 6

Which command may be used on an Alcatel-Lucent 7750 SR to verify the number of VRF routes allowed, based on the maximum routes value configured in the service instance?

- A. Show service id base
- B. Show router bgp routes
- C. Show service id maximum-routes
- D. Show router status

Correct Answer: A

QUESTION 7

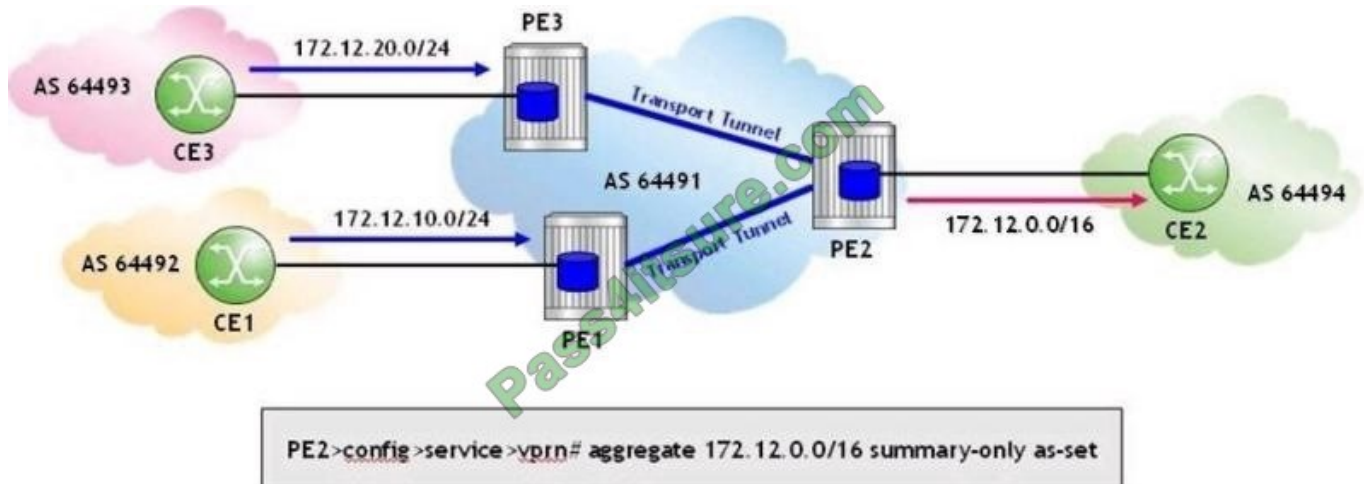
What mechanism allows routes to be shared between customers in different VPRNs?

- A. The routes to be shared are identified by common route targets
- B. The routes to be shared are identified by common route distinguishers
- C. The routes to be shared are identified by common AS numbers
- D. The routes to be shared are identified by common VPN labels

Correct Answer: A

QUESTION 8

Click the exhibit.



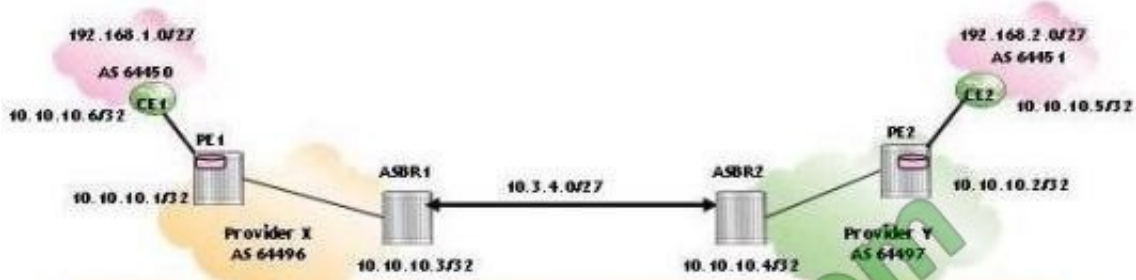
If the displayed command is executed, what is the correct value of AS-Path in the BGP route 172.12.0.0/16 advertised by PE2?

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

Correct Answer: A

QUESTION 9

Click the exhibit.



```
*A:
=====
BGP Router ID:10.10.10.3      AS:64496      Local AS:64496
=====
BGP VPN-IPv4 Routes
=====
Flag Network                               LocalPref  MED
  Nexthop                               VPLLabel
  As-Path
-----
*>1 64496:1:10.1.6.0/27
    10.10.10.1
    No As-Path
    100
    None
    131070
*>1 64496:1:10.2.5.0/27
    10.3.4.4
    64497
    None
    None
    131068
*>? 64496:1:10.10.10.5/32
    10.3.4.4
    64497 64451
    None
    None
    131068
*>? 64496:1:10.10.10.6/32
    10.10.10.1
    64450
    100
    None
    131070
*>? 64496:1:192.168.1.0/27
    10.10.10.1
    64450
    100
    None
    131070
*>? 64496:1:192.168.2.0/27
    10.3.4.4
    64497 64451
    None
    None
    131068
=====
Routes : 6
```

Which of the following commands produces the output for the inter-AS model B VPRN?

- A. ASBR1# show router 10 bgp routes vpn-ipv4
- B. ASBR1# show router bgp routes
- C. ASBR1# show router bgp routes vpn-ipv4
- D. ASBR1# show router route-table

Correct Answer: C

QUESTION 10

Which of the following is not a valid BGP design for a network provider supporting VPRNs?

- A. Full mesh of MP-BGP between all P devices
- B. Full mesh of MP-BGP between PE devices

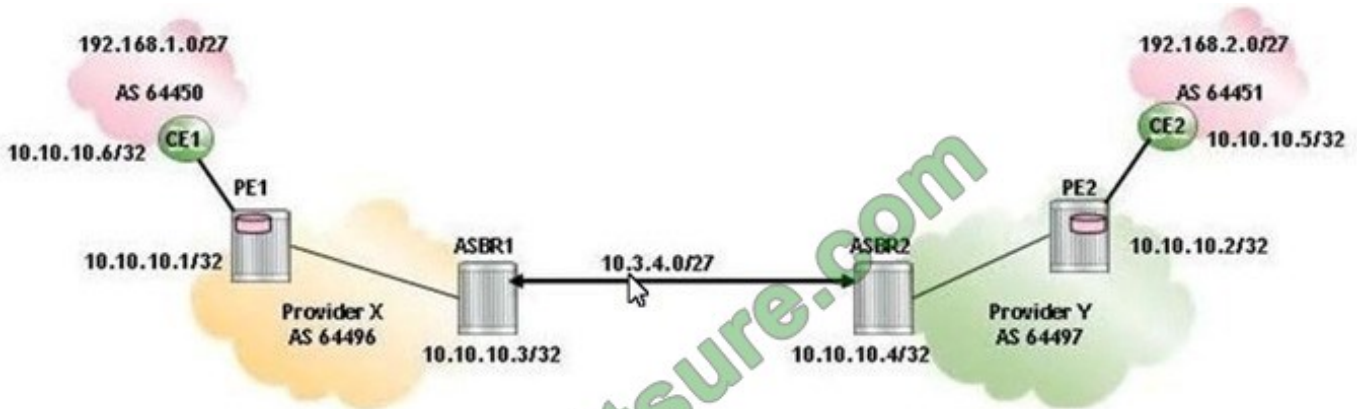


- C. Route reflector configuration between PE devices
- D. Confederation configuration between PE devices

Correct Answer: A

QUESTION 11

For the Inter-AS model VPRN, which of the following statements about the inter-as-label output on ASBR1 is TRUE?



```
ASBR1# show router bgp inter-as-label
=====
BGP Inter-AS labels
=====
NextHop                Received Label      Advertised Label      Label Origin
-----
10.10.10.1             131070             131068                Internal
10.3.4.4               131068             131069                External
```

- A. ASBR1 includes label 131069 in the route update sent to ASBR2.
- B. ASBR1 includes label 131068 in the route update sent to ASBR2.
- C. ASBR1 includes label 131068 in the route update sent to PE1.
- D. ASBR1 includes labels 131068 and 131069 in the route update sent to ASBR2.

Correct Answer: C

QUESTION 12

In a Carrier Supporting Carrier (CSC) VPRN, which of the following is NOT a benefit to the network provider?

- A. The solution scales as the number of VPNs offered by the customer carriers increases.
- B. The solution scales as the number of end-customer routes increases.



C. There is no need to manage end-customer services.

D. The solution scales as the number of serviced customer carriers increases.

Correct Answer: D

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