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Alcatel-Lucent Virtual Private Routed Networks

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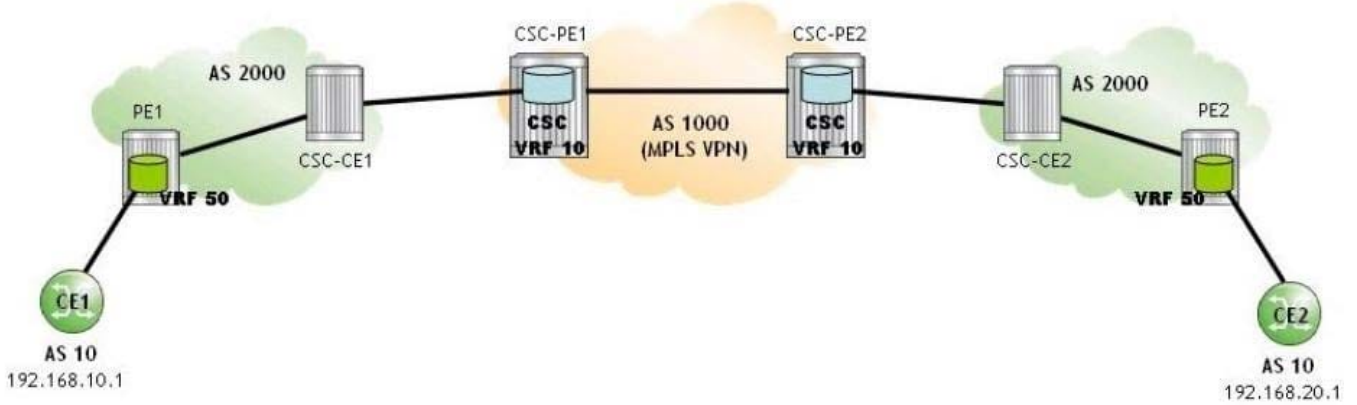
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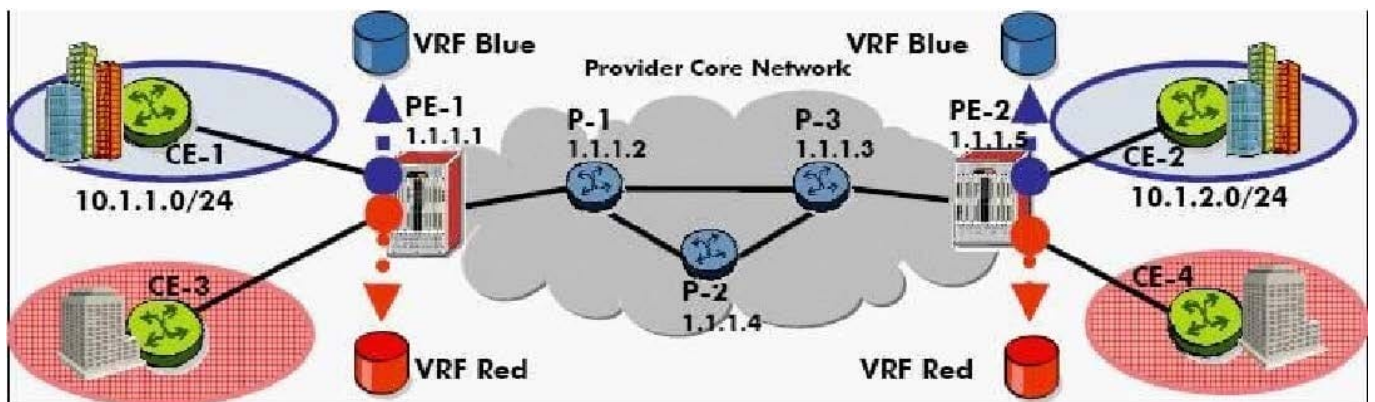**QUESTION 1**

Click the exhibit.

A Carrier Supporting Carrier (CSC) VPRN is configured for a customer carrier who is a BGP/MPLS service provider. Which of the following describes the routes present in PE1\\'s global routing table?

A. The system address of PE2 is present. The system addresses of CSC-PE1 and CSC-PE2 are not present.

B. The system addresses of PE2, CSC-PE1 and CSC-PE2 are all present.

C. The system address of CSC-CE1, the route 192.168.10.1, and the route 192.168.20.1 are all present.

D. The system address of PE2 and the route 192.168.20.1 are present.

Correct Answer: A

QUESTION 2

Which of the following commands on an Alcatel-Lucent 7750 SR will verify connectivity for a VPRN service when issued from the PE?

A. oam vprn-ping source destination

B. oam vprn-ping source destination

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C. vprn-ping router

D. Ping source

Correct Answer: A

QUESTION 3

Which of the following about BGP loops in a VPRN environment is FALSE?

A. Traditional BGP loop detection mechanisms may detect a loop in the VPRN scenario, which in fact is not present.

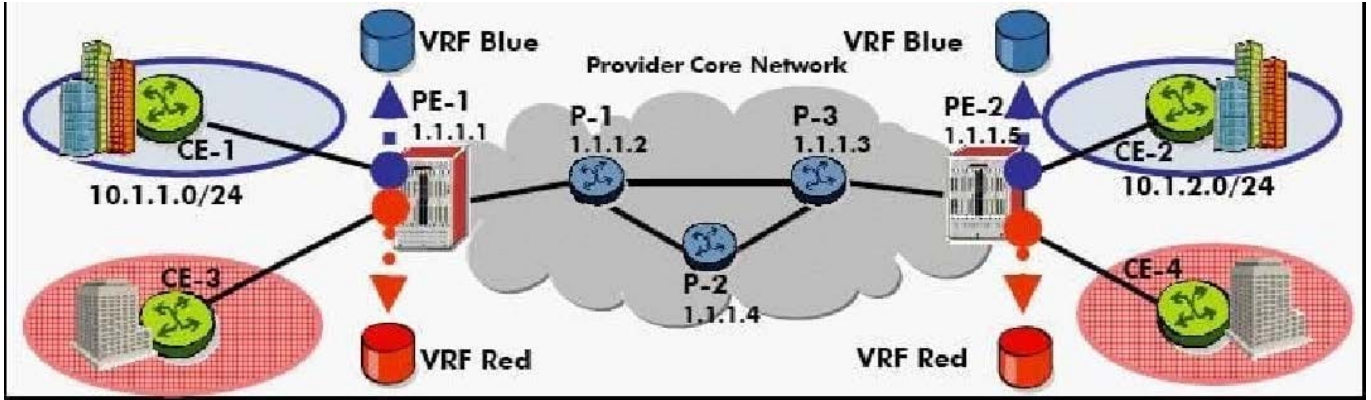B. The Alcatel-Lucent 7750 SR accepts routes containing AS_PATH loops by default.

C. When the CLI command "config>router>bgp# loop-detect discard-route" is used, the Alcatel-Lucent 7750 SR sends a notification to the remote peer and drops the BGP session.

D. In VPRN implementations where the CE-PE protocol is BGP, it is possible for separate sites of the same customer to use the same BGP autonomous system number.

Correct Answer: C

QUESTION 4

When configuring the CE with the selected CE-PE routing protocol on an Alcatel-Lucent 7750 SR, which of the following statements is true? (Choose three.)
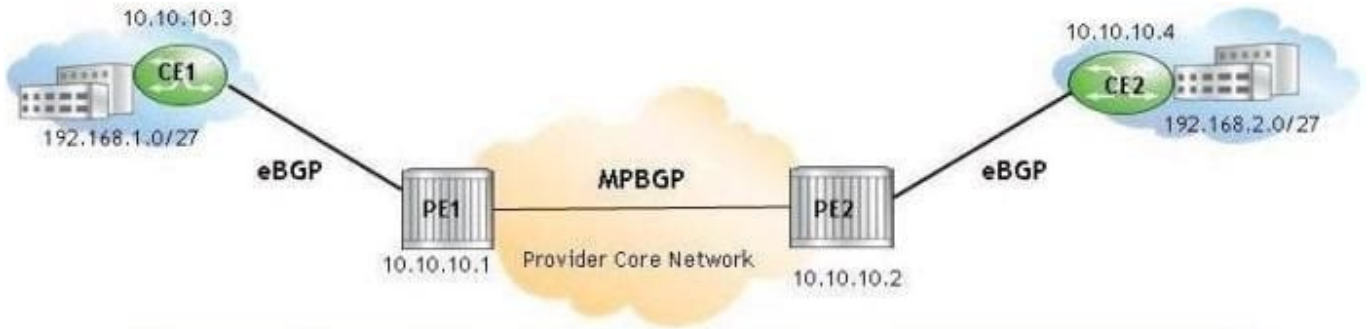
```
PE-1>config>service# VPRN 20 customer 101 create
PE-1>config>service>VPRN$ description "VPRN Service"
PE-1>config>service>VPRN$ route-distinguisher 65100:101
PE-1>config>service>VPRN$ vrf-target target:65100:101
PE-1>config>service>VPRN$ auto-bind ldp
PE-1>config>service>VPRN$ router-id 1.1.1.1
PE-1>config>service>VPRN$ exit
PE-1>config>service#
```

A. The protocol is configured under the config>service context

B. The protocol is configured under the global router context

C. The interface leading to the PE is defined as a protocol neighbor

D. The routing protocol used must be the same as the routing protocol used at other CE-PE locations in the same VPN.

E. A routing policy may or may not be required depending on the routing requirements and routing

protocol

Correct Answer: BCE

QUESTION 5

Click the exhibit.

```
*A:PE2# show router bgp neighbor 10.10.10.1 received-routes vpn-ipv4
===============================================================================
 BGP Router ID:10.10.10.2       AS:64496       Local AS:64496
===============================================================================
 Legend -
 Status codes  : u - used, s - suppressed, h - history, d - decayed, * - valid
 Origin codes  : i - IGP, e - EGP, ? - incomplete, > - best
===============================================================================
BGP VPN-IPv4 Routes
===============================================================================
Flag  Network                                     LocalPref   MED
      Nexthop                                                 VPNLabel
      As-Path
-------------------------------------------------------------------------------
u*>i  64496:1:10.1.3.0/27                         100         None
      10.10.10.1                                              131070
      No As-Path
u*>?  64496:1:10.10.10.3/32                       100         None
      10.10.10.1                                              131070
      No As-Path
u*>?  64496:1:192.168.1.0/27                      100         None
      10.10.10.1                                              131070
      No As-Path
-------------------------------------------------------------------------------
Routes : 3
```

Which of the following best describes the output?

A. The AS-Path is not present because a policy is configured on PE2 to set it to null.

B. The AS-Path is not present because a policy is configured on CE1 to set it to null.

C. The AS-Path is not present because a policy is configured on PE1 to set it to null.

D. The AS-Path is not present because VPN-IPv4 routes do not propagate the IPv4 AS-Path BGP attribute.

Correct Answer: C

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