

JN0-663^{Q&As}

Service Provider Routing and Switching, Professional (JNCIP-SP)

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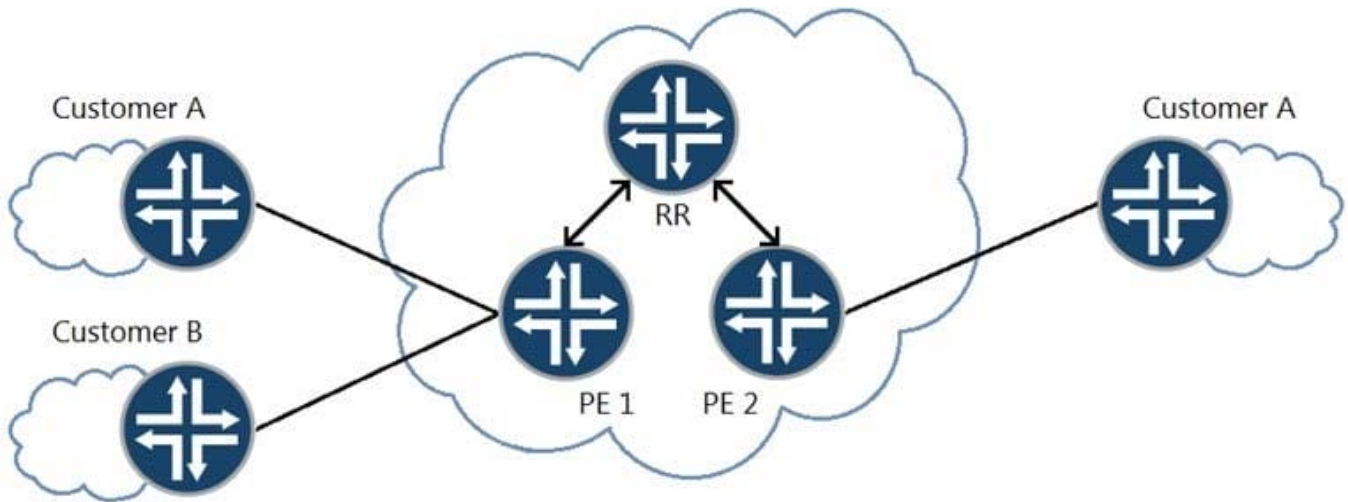
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QUESTION 1



Referring to the exhibit, you want to reduce the CPU processing load on PE 2 by preventing the receipt of routes belonging to Customer B.

In this scenario, which layer 3 VPN scaling mechanism provides this functionality?

- A. route refresh
- B. route origin
- C. route reflection
- D. route target filtering

Correct Answer: D

QUESTION 2

```
user@router> show route protocol bgp hidden extensive

inet.0: 66 destinations, 66 routers (66 active, 0 holddown, 0 hidden)

CE5.inet.0: 11 destinations, 11 routes (3 active, 0 holddown, 1 hidden)
10.1.1.0/24 (1 entry, 0 announced)
  BGP   Preference: 170/-101
        Route Distinguisher: 65512:1
        Next hop type: Unusable, Next hop index: 0
        Address: 0xc7412d0
        Next-hop reference count: 16
        State: <Secondary Hidden Int Ext ProtectionCand>
        Local AS: 65512 Peer AS: 65512
        Age: 1:53
        Validation State: unverified
        Task: BGP_65512.192.168.100.1
        AS path: I
        Communities: target:65512:100
        Import Accepted
        VPN Label: 17
        Localpref: 100
        Router ID: 192.168.100.1
        Primary Routing Table: bgp.13vpn.0
        Indirect next hops: 1
          Protocol next hop: 192.168.100.1
          Label operation: Push 17
          Label TTL action: prop-ttl
          Load balance label: Label 17: None;
          Indirect next hop: 0x0 - INH Session ID: 0x0

...

65512:1:10.1.1.0/24 (1 entry, 0 announced)
  -BGP  Preference: 170/-101
        Route Distinguisher: 65512:1
        Next hop type: Unusable, Next hop index: 0
        Address: 0xc7412d0
        Next-hop reference count: 16
        State: <Hidden Int Ext Changed ProtectionPath ProtectionCand>
        Local AS: 65512 Peer AS: 65512
        Age: 1:53
        Validation State: unverified
        Task: BGP_65512.192.168.100.1
        AS path: I
        Communities: target:65512:100
        Import Accepted
        VPN Label: 17
        Localpref: 100
        Router ID: 192.168.100.1
        Secondary Tables: CE5.inet.0
        Indirect next hops: 1
          Protocol next hop: 192.168.100.1
          Label operation: Push 17
          Label TTL action: prop-ttl
          Load balance label: Label 17: None;
          Indirect next hop: 0x0 - INH Session ID: 0x0
```

Referring to the exhibit, a Layer 3 VPN is configured, however, the routes are being hidden.

What is the problem?

- A. The BGP peer is not reachable through the IGP.
- B. An active MPLS tunnel does not exist between the peers.
- C. A route distinguisher mismatch exists between the peers.
- D. A VRF target community mismatch exists between the peers.

Correct Answer: B

QUESTION 3

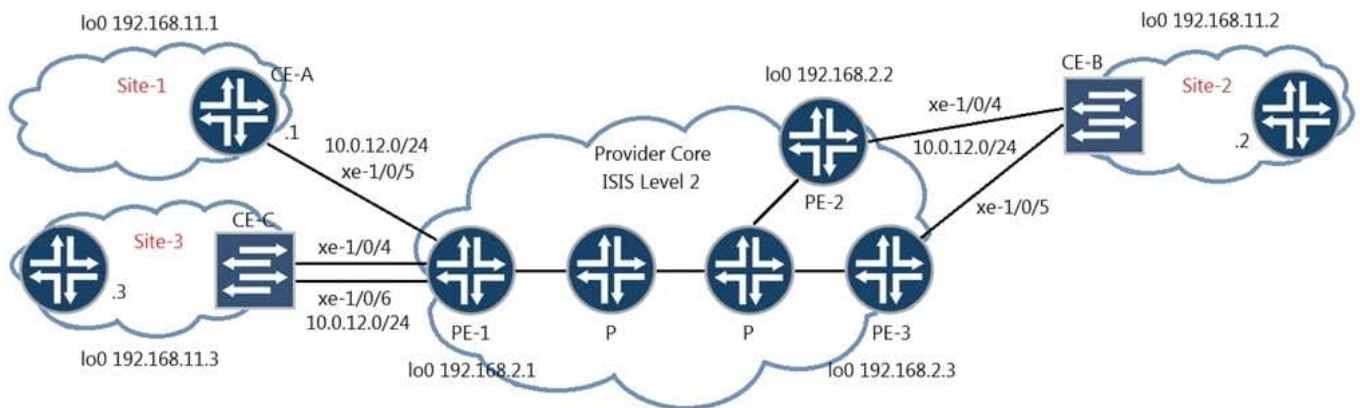
```
user@router# run show route extensive table bgp.evpn.0 | find
1:10.101.100.3:0::22222222222222222222::FFFF:FFFF/192
1:10.101.100.3:0::22222222222222222222::FFFF:FFFF/192 AD/ESI (1 entry, 1 announced)
TSI:
Page 0 idx 0, (group IBGP-EVPN-POD1 type Internal) Type 1 val 0x1022f36c (adv_entry)
  Advertised metrics:
    Nexthop: 10.101.100.3
    Localpref: 100
    AS path: [65100] I
    Communities: target:1:100 encapsulation:vxlan(0x8) esi-label:0x0:all-active (label 0)
Page 0 idx 1, (group IBGP-EVPN-Core type Internal) Type 1 val 0x11c5f588 (adv_entry)
  Advertised metrics:
    Nexthop: 10.101.100.3
    Localpref: 100
    AS path: [65100] I
    Communities: target:1:100 encapsulation:vxlan(0x8) esi-label:0x0:all-active (label 0)
Path 1:10.101.100.3:0::22222222222222222222:: FFFF:FFFF
Vector len 4. Val: 0 1
  *EVPN Preference: 170
    Next hop type: Indirect, Next hop index: 0
    Address: 0xccd5f90
    Next-hop reference count: 43071
    Protocol next hop: 10.101.100.3
    Indirect next hop: 0x0 - INH Session ID: 0x0
    State: <Secondary Active Int Ext>
    Age: 8w1d 9:56:33
    Validation State: unverified
    Task: __default_evpn__-evpn
    Announcement bits (1): 1-BGP_RT_Background
    AS path: I
    Communities: target:1:100 encapsulation:vxlan(0x8) esi-label:0x0:all-active (label 0)
    Route Label: 1
    Primary Routing Table __default_evpn__.evpn.0
```

Referring to the exhibit, which three statements are correct? (Choose three.)

- A. The ESI is 00:22:22:22:22:22:22:22:22:22.
- B. This route contains the MAC address of an end host.
- C. The router with the IP address 10.101.100.3 is the originator of this route.
- D. This ESI Auto-Discovery route is used for designated forwarder election.
- E. This route is an EVPN Type-1 route.

Correct Answer: ACE

QUESTION 4



You have the LDP signaled VPLS topology as shown in the exhibit. CE-B at Site-2 is multihomed to both PE-2 and PE-3.

In this scenario, where would you configure loop prevention?

- A. PE-1
- B. CE-B
- C. PE-3
- D. PE-2

Correct Answer: A

QUESTION 5

What is the purpose of the cluster-list attribute within a BGP route reflector group?

- A. to disable internal cluster re-advertisements
- B. to facilitate loop detection within the route reflector network
- C. to define the router that first advertised the route to the route reflector
- D. to override the router ID value within the cluster

Correct Answer: B