JN0-663 Q&As

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

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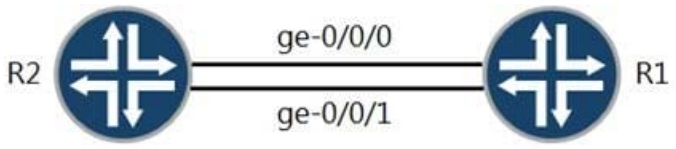
QUESTION 1




```
user@R2> show isis database extensive level 2
Header: LSP ID: R1.00-00, Length: 457 bytes
  Allocated length: 491 bytes, Router ID: 10.254.0.1
  Remaining lifetime: 1130 secs, Level: 2, Interface: 73
  Estimated free bytes: 0, Actual free bytes: 34
  Aging timer expires in: 1130 secs
  Protocols: IP, IPv6

Packet: LSP ID: R1.00-00, Length: 457 bytes, Lifetime : 1196 secs
  Checksum: 0xef18, Sequence: 0x1d, Attributes: 0x7 <L1 L2 Overload>
  NLPID: 0x83, Fixed length: 27 bytes, Version: 1, Sysid length: 0 bytes
  Packet type: 20, Packet version: 1, Max area: 0

TLVs:
  Area address: 49.0002 (3)
  LSP Buffer Size: 1492
  Speaks: IP
  Speaks: IPV6
  IP router id: 10.254.0.1
  IP address: 10.254.0.1
  IPv6 TE Router ID: 2001:db8::1
  Hostname: R1
  IS neighbor: R1.02, Internal, Metric: default 10
  IS neighbor: R1.03, Internal, Metric: default 10
  Extended IS Reachability TLV, Type: 22, Length: 90
  IS extended neighbor: R1.02, Metric: default 10 SubTLV len: 34
    IP address: 172.16.1.1
    IPv6 address: 2001:db8::1
    Local interface index: 73, Remote interface index: 0
  Router Capability: Router ID 10.254.0.1, Flags: 0x00
    IPv6 TE Router Id: 2001:db8::1
No queued transmissions
```

A network administrator is investigating why traffic from R2 is not being forwarded to R1.

Referring to the show isis database command output shown in the exhibit, what is causing this problem on the network?

A. R1 and R2 are in different IS-IS areas.

B. The preferred interface between R1 and R2 is experiencing errors.

C. R1 is configured to drop all incoming traffic.

D. R2 is ignoring specific LSPs from R1 in its SPF calculations.

Correct Answer: D

QUESTION 2

You are establishing a Layer 3 VPN between two PE devices. Currently you have a single internal IPv4 BGP peering between the PE devices. You must ensure that the IPv4 and IPv6 routes from both CE devices are exchanged between these sites.

Which two statements are correct in this scenario? (Choose two.)

A. You must enable IPv6 tunneling on the LSPs between the PE devices.

B. You must establish an IPv6 BGP peering between the two PEs.

C. You must enable the inet6-vpn NLRI on both PE devices.

D. You must enable the inet-vpn NLRI on both PE devices.

Correct Answer: CD

QUESTION 3

You are creating an LDP-signaled Layer 2 circuit between two sites. Site1 and Site2 use different VLAN IDs to connect to your PE devices.

In this scenario, which encapsulation type must be used on the logical interfaces?

A. vlan-ccc

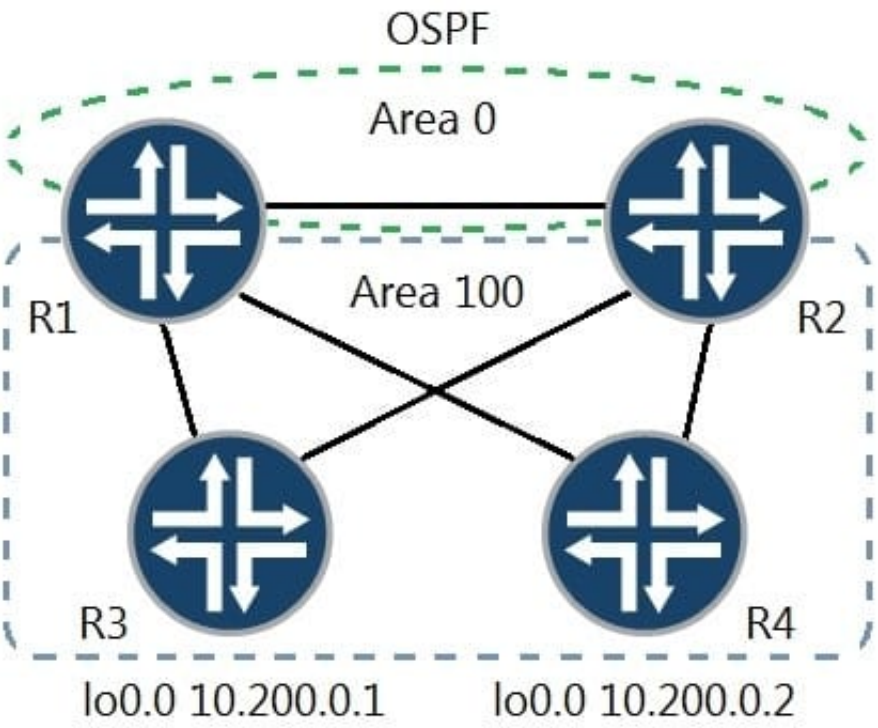
B. vlan-vpls

C. vlan-bridge

D. vlan-tcc

Correct Answer: D

QUESTION 4



Traffic is being sent from R2 to R3. The link between R2 and R3 fails. Referring to the exhibit, which statement is correct?

A. Traffic will automatically reroute using the shortest path, which is R2 to R1 to R3.

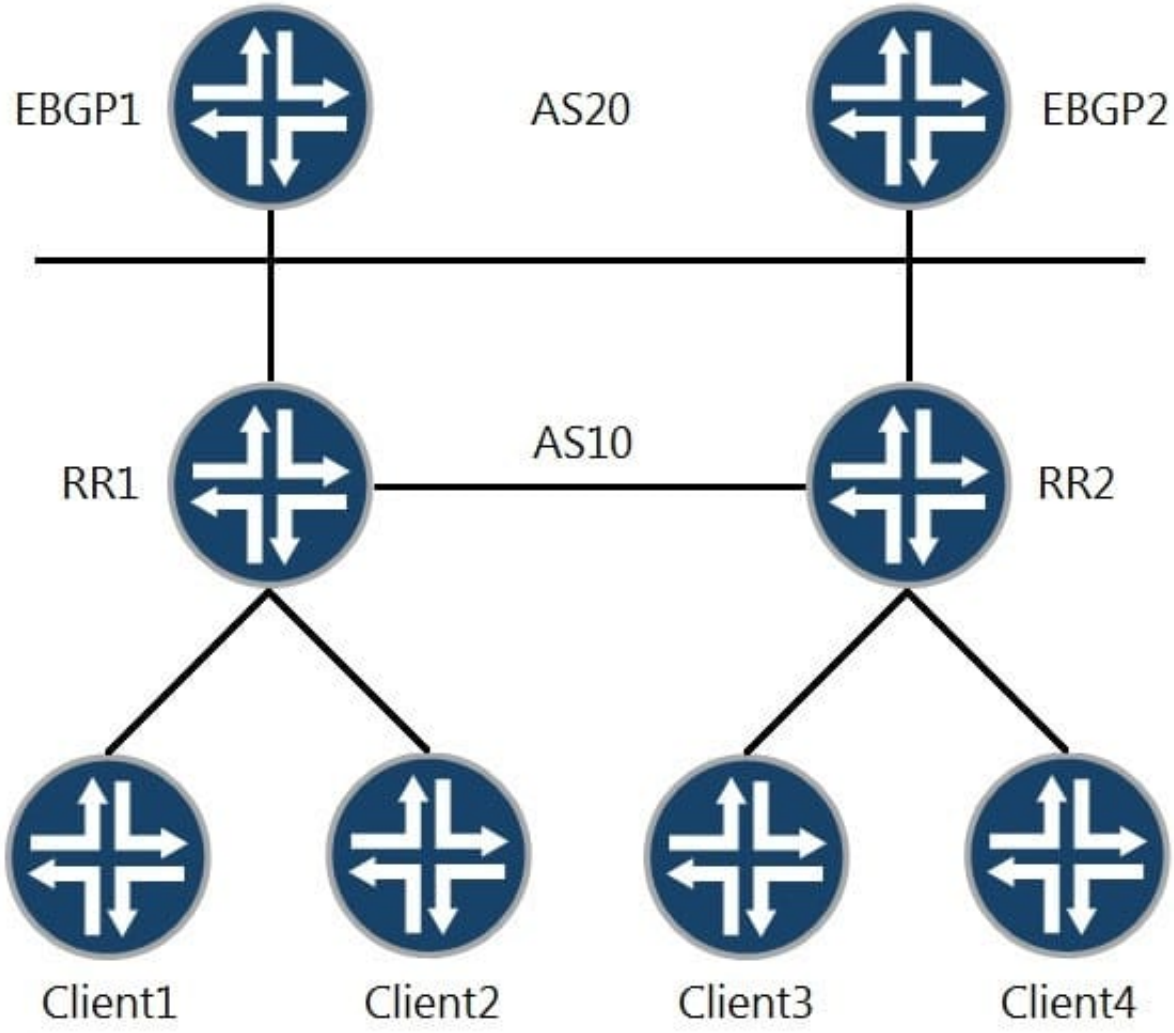
B. Traffic will automatically reroute distributed between all available paths.

C. Manual intervention is required for traffic to be rerouted.

D. Traffic will automatically reroute using R2 to R4 to R1 to R3.

Correct Answer: D

QUESTION 5



Referring to the exhibit, which two statements about route reflectors are correct? (Choose two.)

A. RR1 advertises routes learned from Client1 to RR2 with itself as the next hop.

B. RR2 advertises routes learned from Client3 to EBGP2 with itself as the next hop.

C. RR1 and RR2 need the same cluster ID to exchange routes learned from their clients.

D. RR2 adds its cluster ID when advertising routes from Client4 to Client3.

Correct Answer: BD

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