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Implementing and Operating Cisco Service Provider Network Core
Technologies (SPCOR)

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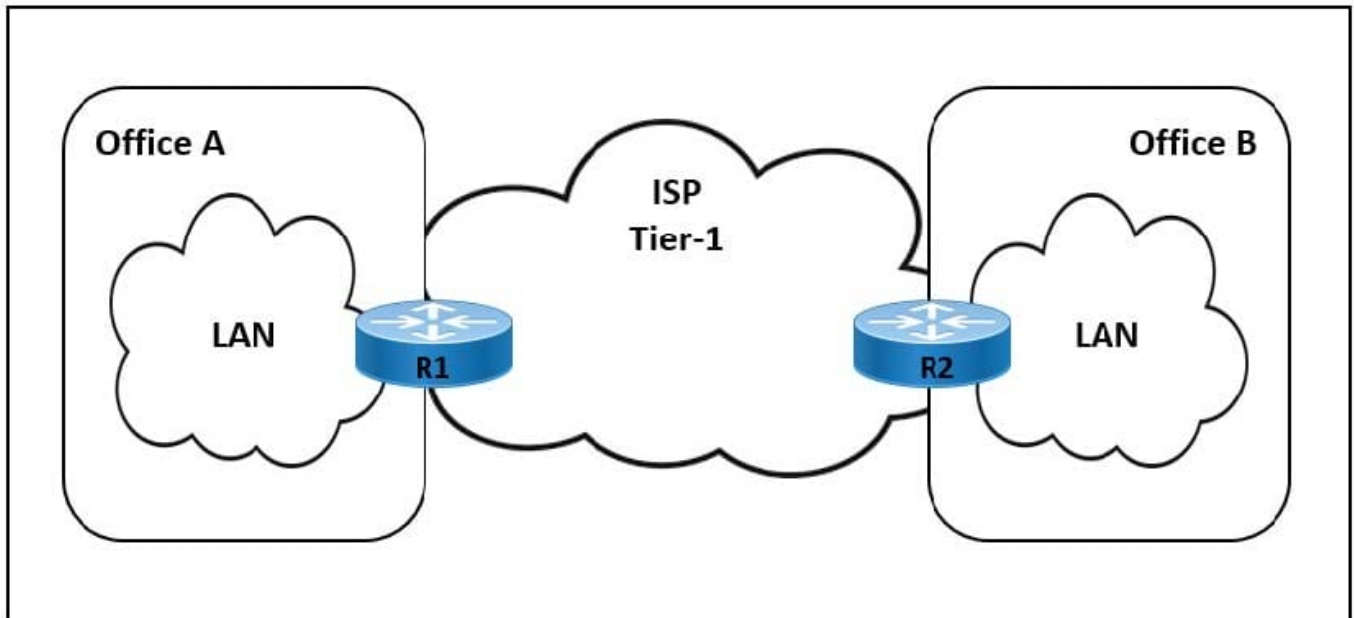
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QUESTION 1

Refer to the exhibit.

The link between Office A and Office B is running at 90% load, and occasionally the CPU on router R1 is overloaded. The company implemented QoS for business-critical applications at both offices as a temporary solution. A network engineer must update the R1 configuration to 600 ms to reduce CPU load and limit downtime after connection failure to avoid data loss. Which action meets this requirement?

A. Configure the fast-hello feature for OSPF with the command ip ospf dead-interval minimal hello-multiplier 3.

B. Configure BFD demand mode with the command bfd-demand timer 150 interval 250 retransmit 5.

C. Configure BFD non-echo mode with the command echo interval 250 minimal 300 echo-multiplier 2.

D. Configure BFD echo mode with the command bfd interval 150 min_rx 200 multiplier 3.

Correct Answer: D

QUESTION 2

Refer to the exhibit.

```
R1

ip cef distributed
mpls ldp graceful-restart
interface GigabitEthernet 0/0/1
    mpls ip
    mpls label protocol ldp
```
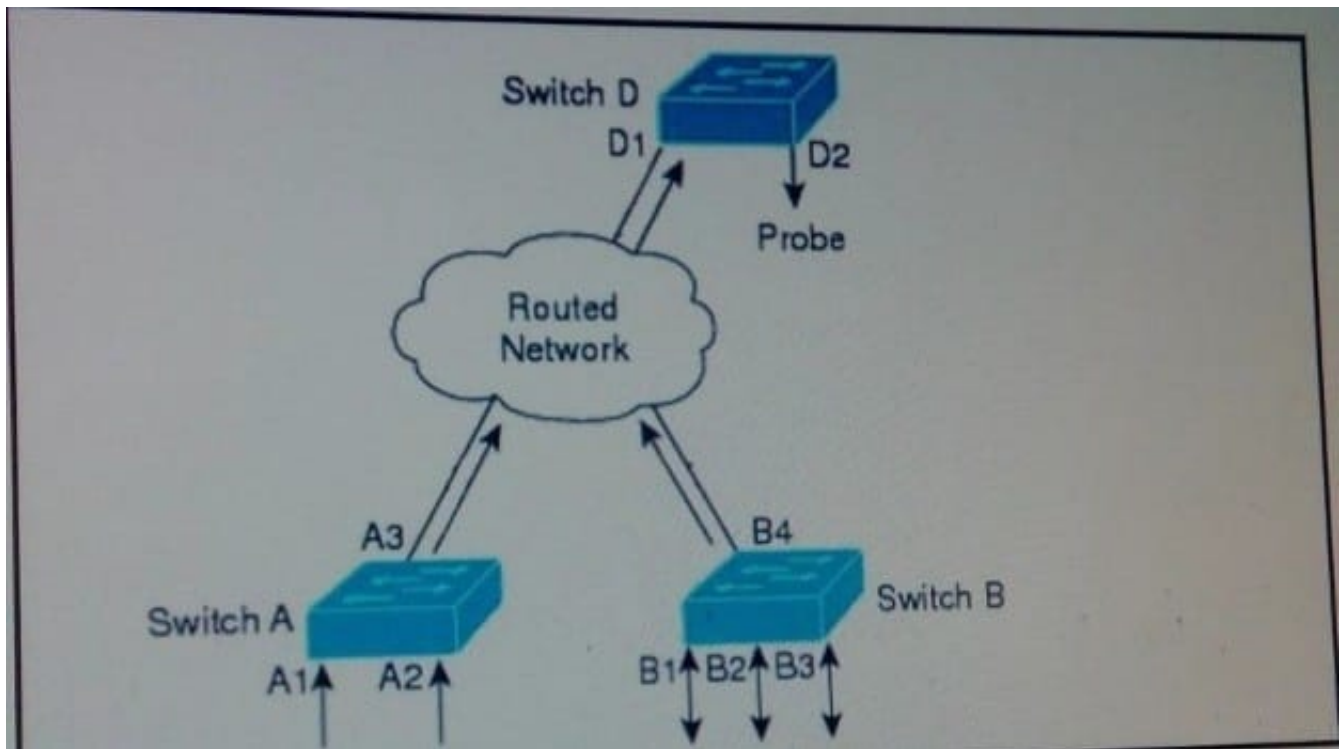
What is the effect of this configuration?

A. R1 supports a graceful restart operation on the peer, even if graceful restart is disabled on the peer.

B. R1 supports a peer that is configured for LDP SSO/NSF as the peer recovers from an outage.

C. R1 failovers only to a peer that is configured for LDP SSO/NSF.

D. R1 failovers to any peer.

Correct Answer: B

QUESTION 3

Refer to the exhibit. The requirements is to copy traffic from switch A and switch B and to send it to a probe connected to switch D across the routed network. Which technology meets this requirement?

A. NetFlow v5

B. ERSPAN

C. NetFlow v9
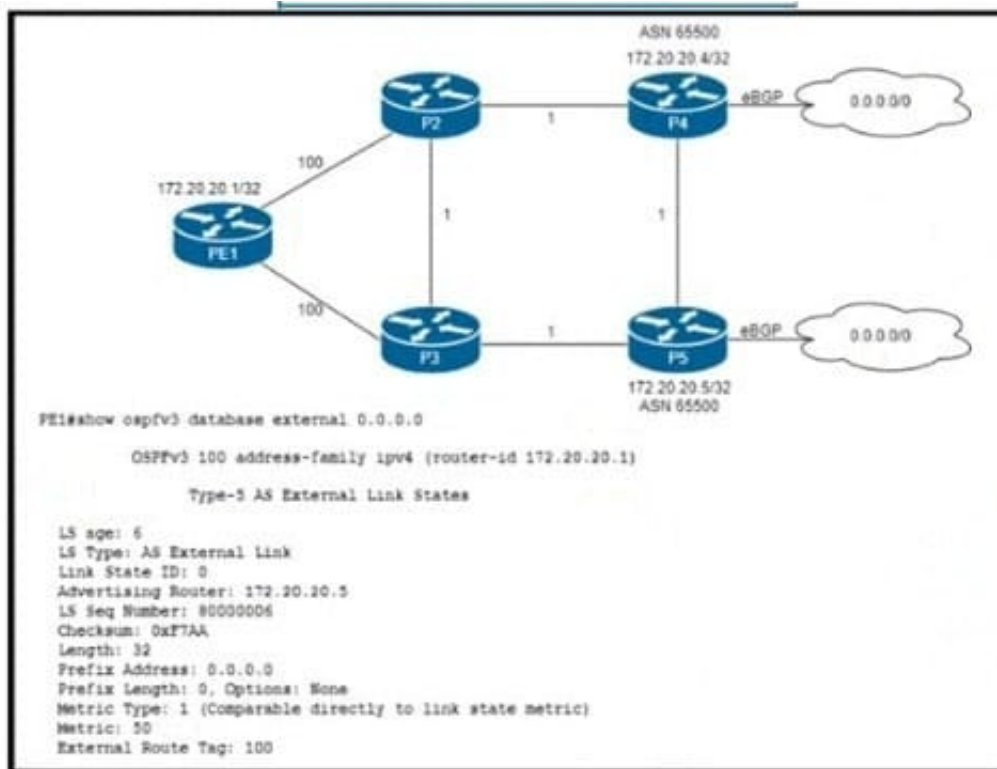
D. RSPAN

Correct Answer: B

QUESTION 4

A service provider has a requirement to deliver WAN gateway functionality to multi- tenant, provider-hosted clouds. Which cisco platform meets this requirement?

A. Cisco ASR 9000 series

B. Cisco NX-OS

C. Cisco ASR 1000 Series

D. Cisco CSR 1000v

E. Cisco CRS series

Correct Answer: D

QUESTION 5

Refer to the exhibit.


```
PE1#show ospfv3 database external 0.0.0.0

          OSPFv3 100 address-family ipv4 (router-id 172.20.20.1)

              Type-5 AS External Link States

      LS age: 6
      LS Type: AS External Link
      Link State ID: 0
      Advertising Router: 172.20.20.5
      LS Seq Number: 80000006
      Checksum: 0xF7AA
      Length: 32
      Prefix Address: 0.0.0.0
      Prefix Length: 0, Options: None
      Metric Type: 1 (Comparable directly to link state metric)
      Metric: 50
      External Route Tag: 100
```

Router P4 and P5 receive the 0.0.0.0/0 route from the ISP via eBGP peering P4 is the primary Internet gateway router, and P5 is its Backup. P5 is already advertising a default route into OSPF domain. Which configuration must Be applied to P4 so that advertises a default route Into OSPF and Becomes me primary internet gateway for the network?

```
configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate always metric 40 metric-type 1
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate metric 40 metric-type 2
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate metric 40 metric-type 1
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
redistribute bgp 65500 metric 40 metric-type 1
end
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

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