



300-510^{Q&As}

Implementing Cisco Service Provider Advanced Routing Solutions
(SPRI)

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QUESTION 1

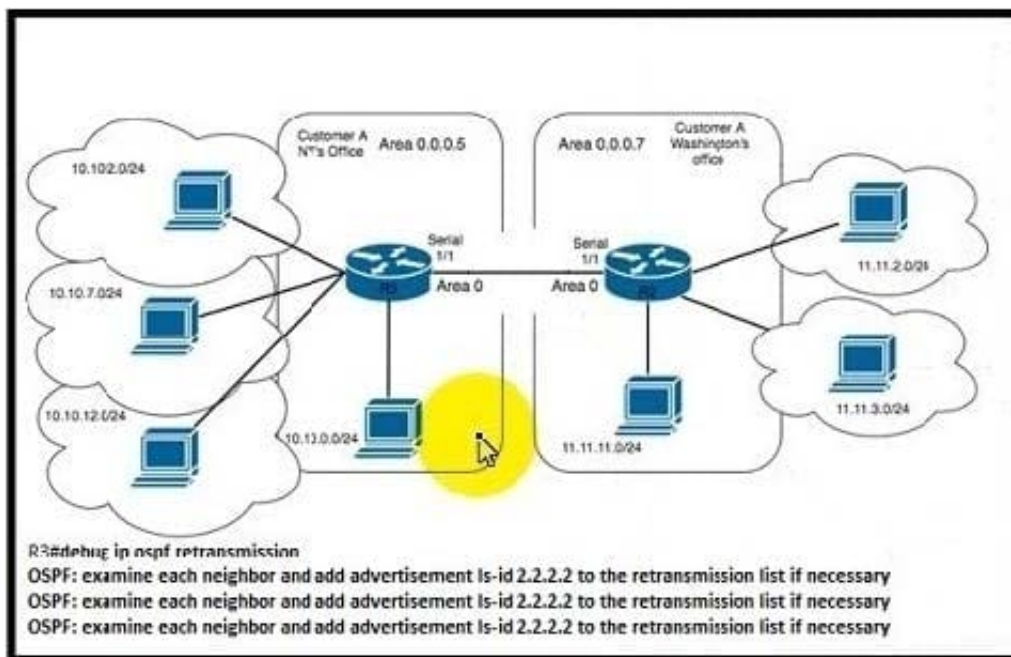
For which reason can two BGP peers fail to establish a neighbor relationship?

- A. Their BGP send-community strings are misconfigured
- B. Their BGP timers are mismatched
- C. Their remote-as numbers are misconfigured
- D. They are both activated under an IPv4 address family

Correct Answer: C

QUESTION 2

Refer to the exhibit.



Customer A is a small media company with two offices connected by a 512 Kbps line. Their NY office is connected to several external partners by static routes on router R3.

VoIP services use VoIP codec G729 Users reported poor voice quality and slow data transfer between the offices A network engineer configured ip tcp header- compression iphc-format on R2 and R3 routers

Which additional action must the engineer take to fix the issue?

- A. Configure the ip ospf l area O command under Serial 1/1 interfaces on R2 and R3 to avoid routing loops
- B. Change the OSPF router ID on either router so that the router IDs are unique.
- C. Configure the summary-address 10.10.0.0 255.255.240.0 command on R3 to optimize OSPF communication



D. Configure the BGP routing protocol between R2 and R3 to control route propagation.

Correct Answer: C

QUESTION 3

Refer to the exhibit.

```
graph LR; R1 --- S1_0[S1/0] --- S1_0_1[S1/0/1] --- R2;
```

```
R1# show ip ospf interface serial1/0
(output limited)
Serial1/0 is up, line protocol is up
Internet Address 172.16.1.0/32, Area 0
Process ID 1, Router ID 1.1.1.1, Network Type BROADCAST, Cost: 64
Transmit Delay is 1 sec, State DR, Priority 0
Designated Router (ID) 172.16.1.0, Interface address 172.16.1.0
```

While configuring router 2 with all the default values, a network engineer cannot see any route received in router 1. How should the engineer solve the issue?

- A. Set up a priority different than 0 in the interface.
- B. Modify the router ID to be the interface IP on the serial.
- C. Modify the IP address or mask of the interface to a valid one.
- D. Set the network type in S1/0 to point-to-point.

Correct Answer: C

QUESTION 4

Which type of BGP attribute does a route reflector attach to routes learned from iBGP peers that allows them to be accepted by other iBGP peers, thereby eliminating the need for a full-mesh BGP topology?

- A. well-known mandatory
- B. optional transitive
- C. well-known discretionary

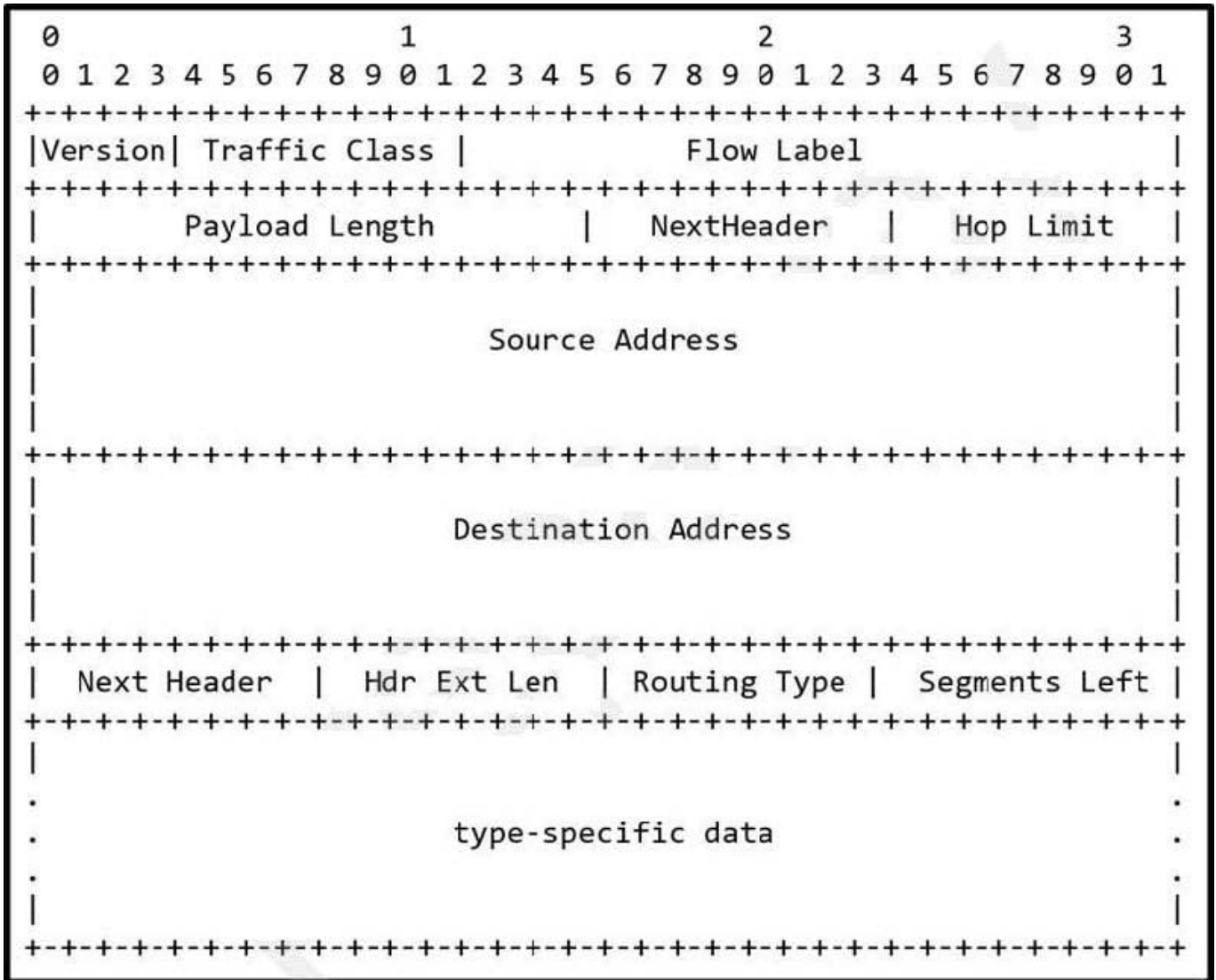


D. optional non transitive

Correct Answer: D

QUESTION 5

Refer to the exhibit.



The extension header of the IPv6 header is ignored when which value is equal to zero?

- A. Segments Left
- B. Hdr Ext Len
- C. Routing Type
- D. Next Header

Correct Answer: D



Reference: <https://www.ciscopress.com/articles/article.asp?p=31948>

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