

# Online Cisco 300-510 Test, 300-510 Reliable Exam Labs

**2023**

**Exam: 300-510**  
**CCNP SPRI: Implementing Cisco Service Provider Advanced Routing Solutions**  
**Study Guide with Practice Questions & Labs**  
**First Edition**



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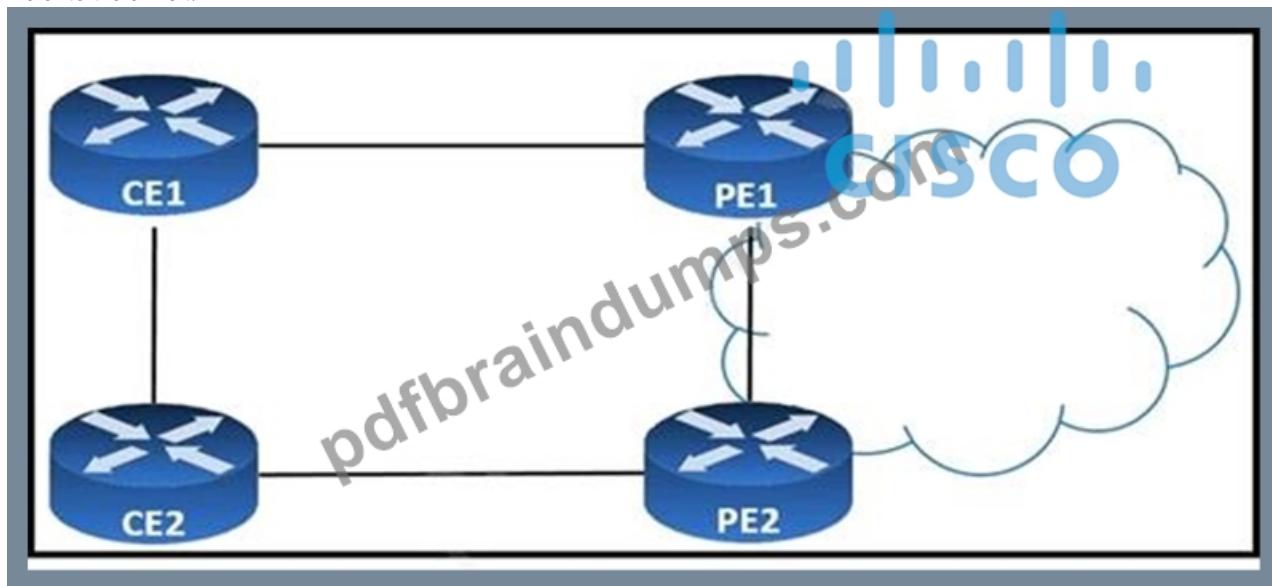
## Prerequisites for Final Exam

The individuals concerned will already have awareness and skills involving how to execute and operate Cisco core technologies for the networks that are targeted at the Service Providers. They should also have a deep comprehension of the 300-510 subject matter so gaining the requisite knowledge takes deliberate learning that makes use of recommended courses as well as revision or study guides. Potential candidates should also be aware of the registration process for the official test. Thus, they should have a Pearson VUE account before they can do the final registration, which includes selecting the number of the evaluation they intend to do.

## Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q148-Q153):

### NEW QUESTION # 148

Refer to the exhibit.

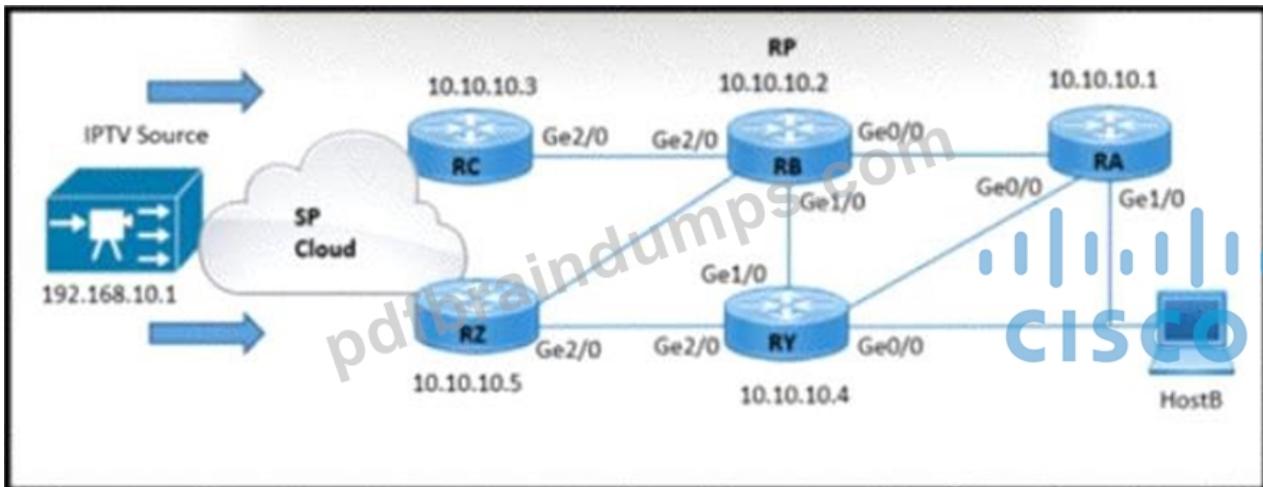


CE1 and CE2 are iBGP neighbors in AS 65516. All traffic that exits AS 65516 must use the link from CE1 to PE1. CE1 is advertising a higher local preference to CE2, but traffic from CE2 still prefers the PE2 link. Which action corrects the problem?

- A. Add the lower local-preference value on PE2 towards CE2.
- B. Configure CE1 to send routes to CE2 with a higher MED.
- C. Add the next-hop self command to the CE1 neighbor statement for CE2.
- D. Configure CE1 to send routes to CE2 with a higher weight.

**Answer: C**

### NEW QUESTION # 149

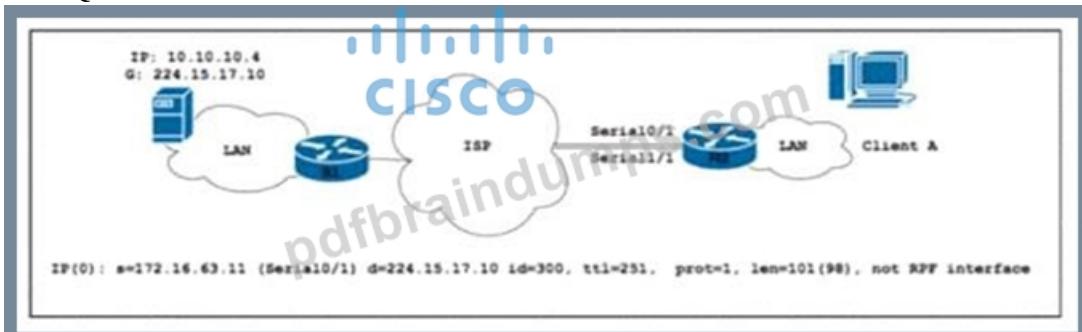


Refer to the exhibit. HostB receives an IPTV traffic stream from the multicast source at 192.168.10.1. When router RB is powered down, it impacts multicast traffic forwarding to downstream peers. The RA and RB routers reside in the same physical location. Which two configurations must be implemented so that HostB receives the multicast stream even when RB is powered down? (Choose two.)

- A. Enable bi-directional PIM on all routers.
- B. Set the backup RP address to 10.10.10.3 on routers RY and RZ.
- C. Enable PIM SSM mode on routers RA and RY.**
- D. Enable PIM sparse mode on routers RC and RZ with a static RP address of 10.10.10.1.**
- E. Set the RP address to 10.10.10.4 on all routers

**Answer: C,D**

#### NEW QUESTION # 150



Refer to the exhibit. Mid-sized company Z connected two branch offices via a multicast-enabled ISP using the BGP routing protocol. PIM was implemented to support multicast streaming between the branches via MSDP. Client A cannot connect to the multicast stream source of company Z.

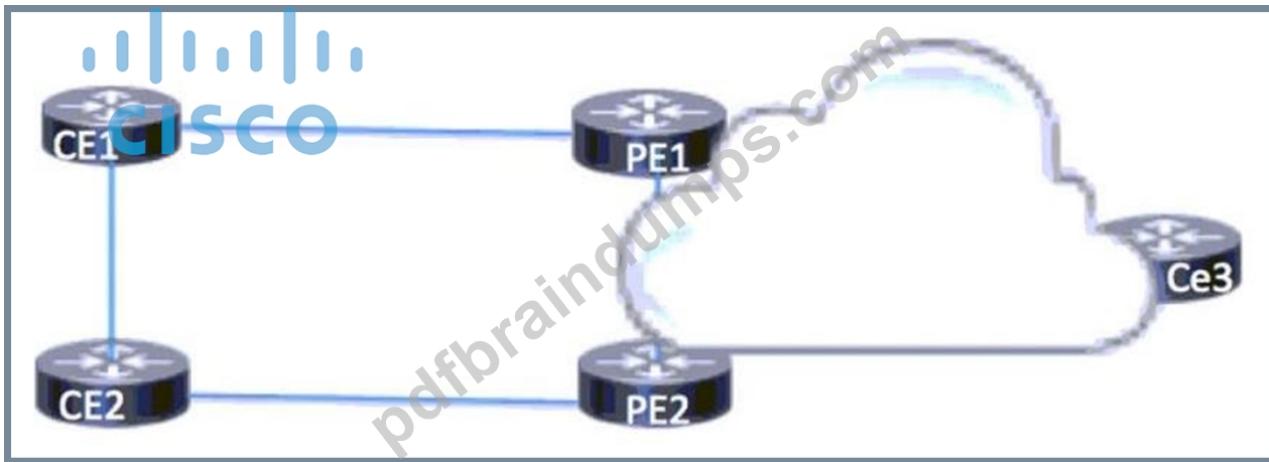
The network engineer ran a debug on the edge of the network as shown. Which action resolves the issue?

- A. Implement MBGP and enable a multicast address family on R2
- B. Deploy BSR on routers R1 and R2 and enable multicast on both LAN segments.**
- C. Enable the BGP routing protocol and advertise the 10.10.0/24 subnet on R1.
- D. Configure the PIM protocol on the Serial 1/1 interface and enable Auto-RP

**Answer: B**

#### NEW QUESTION # 151

Refer to the exhibit. CE1 and CE2 use connectivity over the service provider cloud to reach CE3. In the event of a link failure in the service provider cloud, which BGP feature relies on IGP convergence to quickly assist in the installation of a backup path?

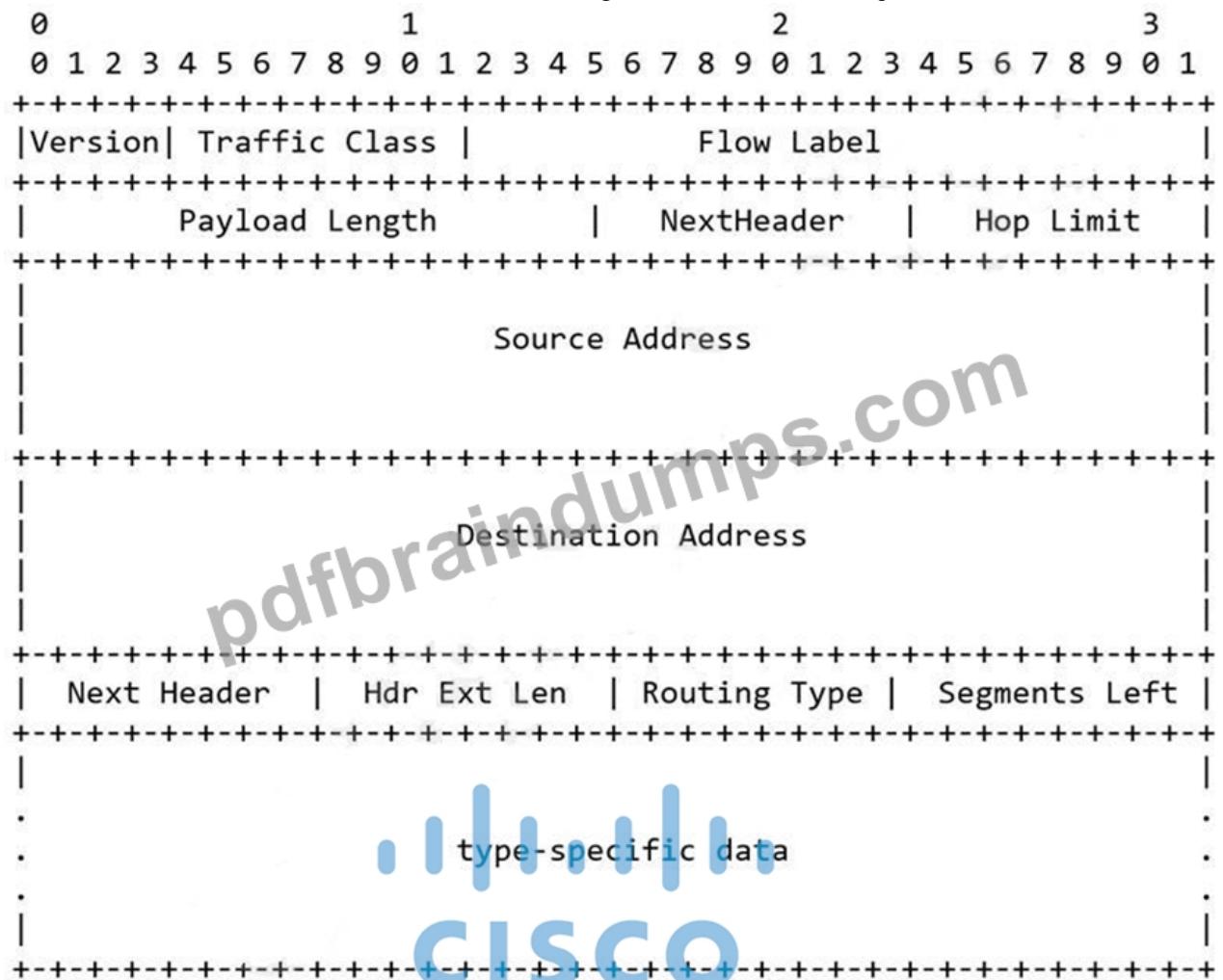


- A. BGP confederations
- B. BGP PIC core
- C. BGP route dampening
- D. BGP graceful restart

**Answer: B**

#### NEW QUESTION # 152

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

**Answer: A**

### Explanation:

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

## NEW QUESTION # 153

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