

# 300-510 Exam Material & Exam 300-510 Tests



**300-510**  
**Implementing Cisco**  
**Service Provider**  
**Advanced**  
**Routing Solutions**

**Certification Questions**  
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To prepare for the exam, candidates can use various learning resources, including Cisco official training courses, self-study materials, and practice exams. Cisco offers a comprehensive training course, "Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)," which covers all the exam topics in depth. Candidates can also use online learning platforms, such as Udemy and Coursera, to supplement their knowledge.

>> **300-510 Exam Material <<**

## **Cisco 300-510 Exam Material: Implementing Cisco Service Provider Advanced Routing Solutions - ActualCollection Full Refund if Failing Exam**

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The Cisco 300-510 Exam requires a deep understanding of various routing protocols, such as OSPF, BGP, and IS-IS, and their implementation in a service provider network. Candidates should also be familiar with MPLS VPN technologies, as well as network automation and programmability. 300-510 exam is designed to test the candidate's ability to configure, troubleshoot, and optimize the routing solutions in a service provider network.

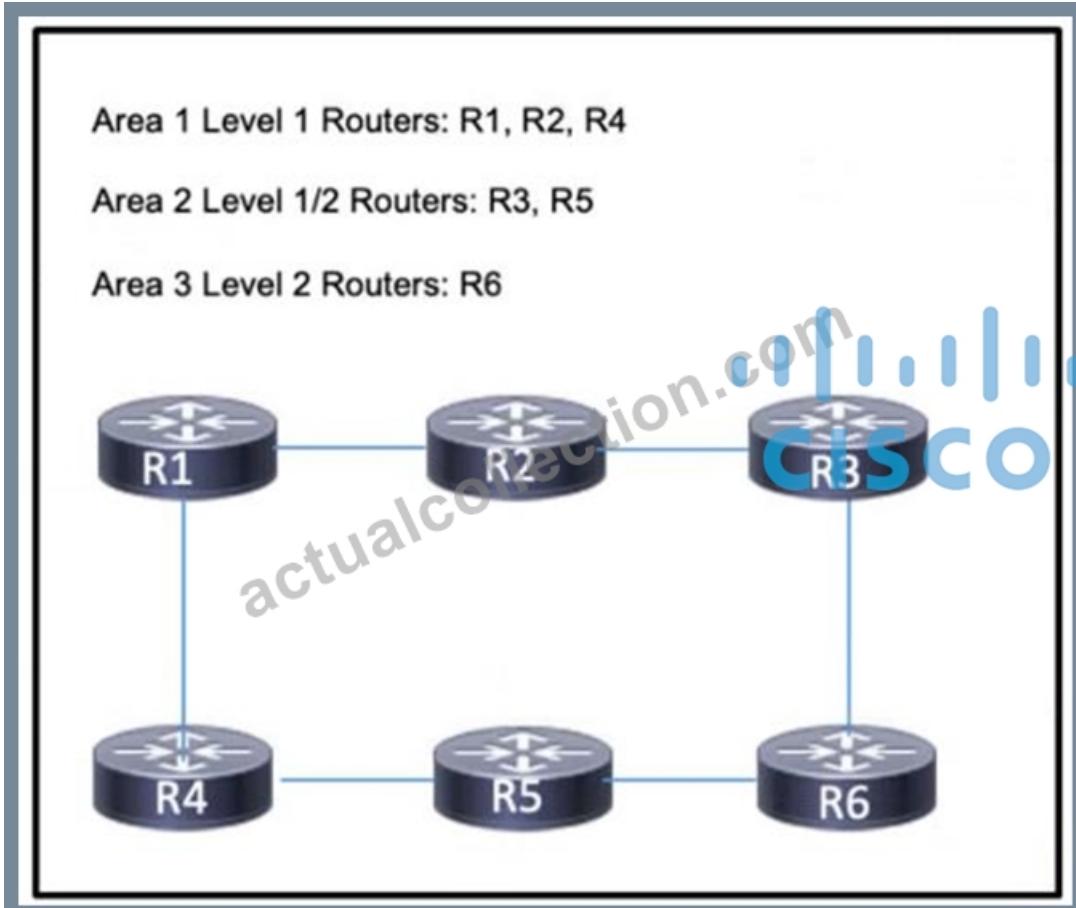
The Implementing Cisco Service Provider Advanced Routing Solutions certification exam covers a wide range of topics related to service provider advanced routing solutions, including VPN services, multicast routing, IPv6 routing, and network programmability.

Candidates are expected to have a deep understanding of these technologies and demonstrate their ability to implement and troubleshoot them in real-world scenarios.

## Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q260-Q265):

### NEW QUESTION # 260

Refer to the exhibit.



Refer to the exhibit. An engineering team implemented IS-IS on the network, with several different areas. Recently, router R6 in area 3 has been experiencing excessive CPU usage. To reduce the load, a network engineer implemented route summarization on R2. However, R6 is still receiving the full routes from all routers. Which action must the engineer take to resolve the excessive CPU usage?

- A. Configure router R1 to send only the default route to R2 and R4.
- B. Configure the Level 2 router R6 to manage summarization for the network
- C. Configure routers R3 and R5 to send summary routes to R6.**
- D. Configure all routers as Level 1/2 routers so that route summarization functions throughout the network

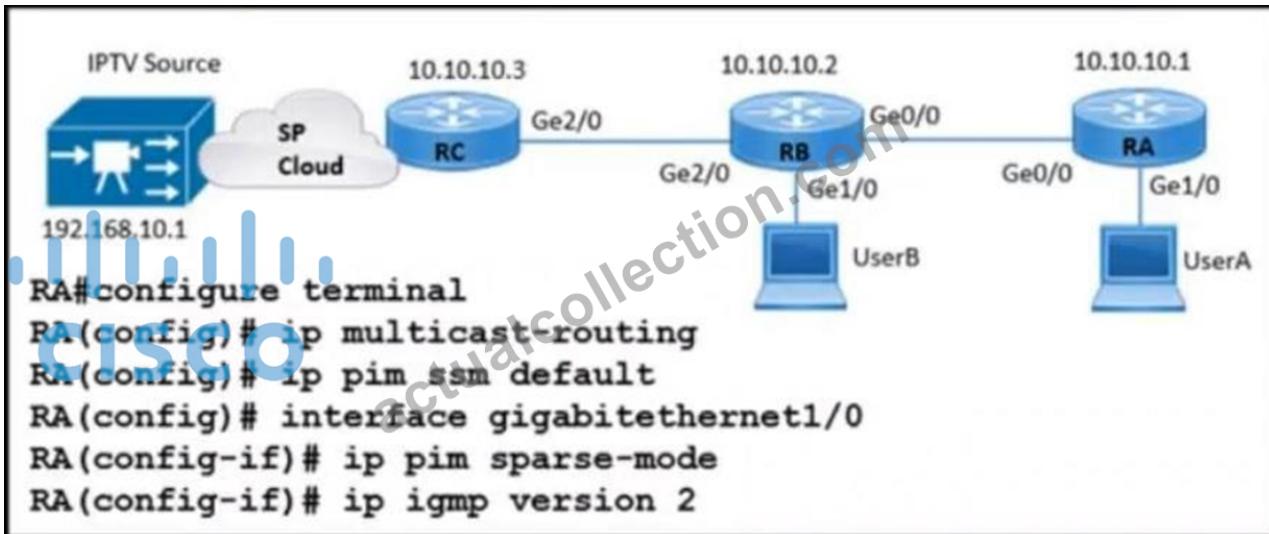
**Answer: C**

### NEW QUESTION # 261

Refer to the exhibit. The UserA device fails to receive IPTV streaming traffic from the source.

While debugging the issue a network engineer finds that routers RB and RC receive the multicast traffic normally RC receives subscription messages from UserA to join the IPTV stream.

Which action must the engineer take on router RA to correct this problem?

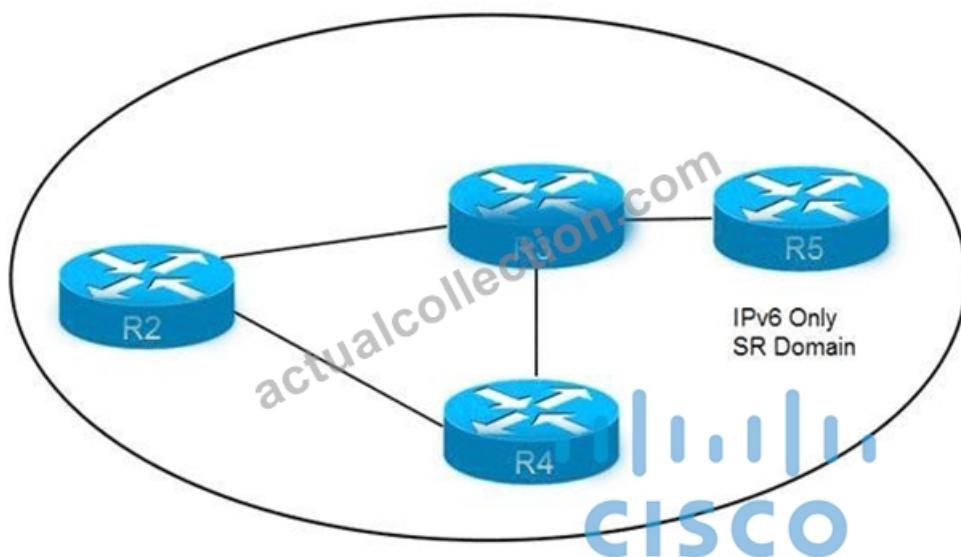


- A. Configure ip pim bidir-enable in global mode and add ip pim rp-address 10.10.10.3.
- B. Change ip igmp version 2 to ip igmp version 3 on interface GigabitEthernet 1/0.**
- C. Remove the ip pim ssm default configuration and replace it with ip pim rp-address 10.10.1.3.
- D. Configure ip pim ssm with ip igmp version 2 on interface GigabitEthernet 1/0.

**Answer: B**

#### NEW QUESTION # 262

Refer to the exhibit.



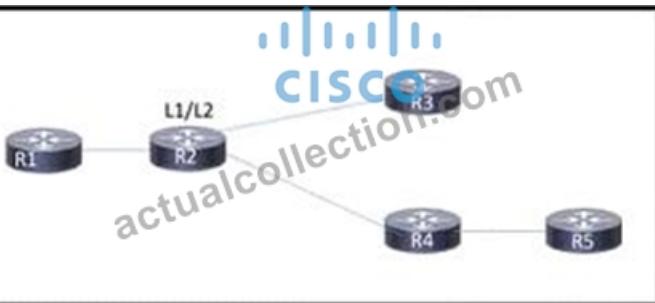
How are packets directed through the data plane when SRv6 is implemented?

- A. An ordered list of segments is encoded in a routing extension header**
- B. The packet is encapsulated with a header and trailer encoding the ordered list of segments
- C. A stack of labels represents an ordered list of segments
- D. The MPLS data plane is used to push labels onto IGP routes

**Answer: A**

#### NEW QUESTION # 263

Refer to the exhibit.



Refer to the exhibit. Routers R2, R3, R4, and R5 all reside in the same area, with R1 in a different area. R3 is overutilized and the engineer wants to reduce its CPU load. The engineer configured router R4 to summarize routes that it receives from R5, but R3 is still receiving all of the R5 routes. Which action resolves the issue?

- A. Configure R4 as a Level 1-Level 2 router
- B. **Configure R3 in a new area.**
- C. Configure the summary routes on R5.
- D. Configure R2 as a Level 1 router

**Answer: B**

#### NEW QUESTION # 264

Refer to the exhibit.

RP/0/0/CPU0:XR1#show run

```

route-policy AGGRO
  if destination in (10.0.0.0/8 ge 8 le 25) then
    set community (10:825)
  endif
  if destination in (10.2.0.0/24) then
    drop
  endif
  if destination in (10.1.0.0/24) then
    suppress-route
  endif
end-policy
!
!
router bgp 1
  bgp router-id 192.168.0.7
  address-family ipv4 unicast
    aggregate-address 10.0.0.0/8 route-policy AGGRO

```

RP/0/0/CPU0:XR1#

A network operator is working to filter routes from being advertised that are covered under an aggregate announcement. The receiving router of the aggregate announcement block is still getting some of the more specific routes plus the aggregate. Which configuration change ensures that only the aggregate is announced now and in the future if other networks are to be added?

- A. Set each specific route in the AGGRO policy to drop instead of suppress-route
- B. **Configure the summary-only keyword on the aggregate command**
- C. Filter the routes on the receiving router
- D. Set each specific route in the AGGRO policy to remove instead of suppress-route

**Answer: B**

## NEW QUESTION # 265

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