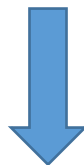


## Cisco CCNP Certification 300-510 SPRI Exam



- **Vendor: Cisco**
- **Exam Code: 300-510**
- **Exam Name: Implementing Cisco Service Provider Advanced Routing Solutions (SPRI)**

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NEW QUESTION 1

A network consultant is troubleshooting IS-IS instances to identify why a routing domains is having communication problems between the two instances. Which description of the possible cause of issues in the routing domain is true?

- A. The same interface cannot be advertised in two different IS-IS instances.
- B. The IS-IS "SP" and "ISP2" instances are unrelated and unable to intercommunicate.
- C. The configured IS-IS NSEL value is not allowing the routing systems to establish a neighborhood.
- D. The interface mode ip router is-is command was not included in the script.

Answer: A

Explanation:

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute\\_isis/configuration/xs-3s/irs-xe-3s-book/irs-instance-vrf.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/iproute_isis/configuration/xs-3s/irs-xe-3s-book/irs-instance-vrf.html)

NEW QUESTION 2

What is used by SR-TE to steer traffic through the network?

- A. shortest path calculated by IGP
- B. dynamic rules
- C. path policy
- D. explicit maps

Answer: C

Explanation:

[https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/segment-routing/configuration/guide/b-seg-routing-cg-asr9k/b-seg-routing-cg-asr9k\\_chapter\\_0100.html](https://www.cisco.com/c/en/us/td/docs/routers/asr9000/software/segment-routing/configuration/guide/b-seg-routing-cg-asr9k/b-seg-routing-cg-asr9k_chapter_0100.html)

NEW QUESTION 3

For which reason can two devices fail to establish an OSPF neighbor relationship?

- A. The two devices have different process IDs.
- B. The two devices have different network types.
- C. The two devices have different router IDs.
- D. The two devices have the same area ID.

Answer: B

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/13699-29.html>

NEW QUESTION 4

Which statement about enabling segment routing for IGP is true?

- A. Segment routing must first be enabled under then routing process and then globally.
- B. Segment routing must first be enabled globally and then under the routing process.
- C. Segment routing can be enabled only under the routing process.
- D. Segment routing can be enabled only globally.

Answer: B

Explanation:

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg\\_routing/configuration/xs-16-6/segrt-xe-16-6-book/sr-ospfv2-node-sid.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/seg_routing/configuration/xs-16-6/segrt-xe-16-6-book/sr-ospfv2-node-sid.html)

NEW QUESTION 5

What can be used to determine a path from the head-end to a tail-end router when implementing SR-TE with a head-end, with little information on the network topology?

- A. traffic controller
- B. path computation engine
- C. tail-end router
- D. SNMP server

Answer: B

#### NEW QUESTION 6

Which two conditions must be met before separate ISPs can provide interdomain multicast routing? (Choose two.)

- A. Each ISP must configure MSDP to connect its individual multicast administrative domain to the domains at other ISPs.
- B. Each ISP must dedicate a single router to handle multicast traffic between providers.
- C. Each ISP must replace its RP assignment with a global RP.
- D. Each ISP must configure its network to use PIM-DM.
- E. Each ISP must support intradomain multicast routing.

Answer: AE

#### NEW QUESTION 7

Which feature is used in multicast routing to prevent loops?

- A. STP
- B. inverse ARP
- C. RPF
- D. split horizon

Answer: C

#### NEW QUESTION 8

Which two statements about route reflectors are true? (Choose two.)

- A. Routes received from nonclient peers are reflected to route reflector clients as well as nonclient peers.
- B. Routes received from nonclient peers are reflected to route reflector cluster as well as OSPF peers.
- C. If a router received an iBGP route with the originator-ID attribute set to its own router ID, the route is discarded.
- D. Routes received from a route reflector client is reflected to other clients and nonclient peers.
- E. If a route reflector receives a route with a cluster-list attribute containing a different cluster ID, the route is discarded.

Answer: CD

Explanation:

<http://www.networkers-online.com/blog/2009/02/bgp-route-reflector-basics/>

#### NEW QUESTION 9

You have configured routing policies on a Cisco IOS XR device with routing policy language. Which two statements about the routing policies are true? (Choose two.)

- A. The routing policies affect BGP-related routes only.

- B. If you make edits to an existing routing policy without pasting the full policy into the CLI, the previous policy is overwritten.
- C. You can change an existing routing policy by editing individual statements.
- D. The routing policies are implemented in a sequential manner.
- E. The routing policies are implemented using route maps.

Answer: CD

NEW QUESTION 10

Which cost is the default when redistributing routes from BGP to OSPF?

- A. 20
- B. 1
- C. infinite
- D. automatic

Answer: B

Explanation:

<http://www.ciscopress.com/articles/article.asp?p=27573>

NEW QUESTION 11

Which command is used to enable BIDIR-PIM under global configuration mode for Cisco IOS XE Software?

- A. ip pim bidir-enable
- B. ipv4 pim bidir-enable
- C. ip multicast-routing
- D. ip pim bidir

Answer: A

Explanation:

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti\\_pim/configuration/xs-3s/imc-pim-xe-3s-book/imc\\_basic\\_cfg.html](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipmulti_pim/configuration/xs-3s/imc-pim-xe-3s-book/imc_basic_cfg.html)

NEW QUESTION 12

A network engineer is troubleshooting OSPF multiarea. Which Cisco IOS XR feature should the engineer use in order to streamline OSPF issue?

- A. hierarchical CLI
- B. DR support for topology management
- C. routing process enabled by default on all interfaces
- D. show ip ospf topology command

Answer: A

Explanation:

[https://www.cisco.com/c/en/us/td/docs/routers/xr12000/software/xr12k\\_r4-0/routing/configuration/guide/rc40xr12k\\_chapter4.html#con\\_1059437](https://www.cisco.com/c/en/us/td/docs/routers/xr12000/software/xr12k_r4-0/routing/configuration/guide/rc40xr12k_chapter4.html#con_1059437)

NEW QUESTION 13

Which statement about BFD on Cisco IOS XR Software is true?

- A. Cisco IOS XR router must use LDP to route back to the Cisco IOS router to establish the peer relationship.
- B. Cisco IOS XR Software does not support BFD multihop for IPv4.
- C. Cisco IOS XR router must use dynamic routing or a static route back to the Cisco IOS

router to establish the peer relationship.

D. BFD is not compatible between Cisco IOS XR and Cisco IOS Software.

Answer: C

NEW QUESTION 14

Which two routing protocols have extensions capable of running SRv6? (Choose two.)

- A. OSPF
- B. BGP
- C. RIP
- D. IGRP
- E. EIGRP

Answer: AB

NEW QUESTION 15

Which two characteristics unique to SSM when compared to ASM are true? (Choose two.)

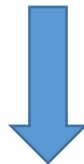
- A. It uses SPT switchover.
- B. It uses (\*,G) exclusively.
- C. It uses IGMPv3.
- D. It uses RP.
- E. It uses (S,G) exclusively.

Answer: CE

NEW QUESTION 16

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