



Cisco

Exam Questions 350-501

Implementing and Operating Cisco Service Provider Network Core Technologies

NEW QUESTION 1

Refer to the exhibits. Which information is provided for traceback analysis when this configuration is applied?

- A. source interface
- B. packet size distribution
- C. IP sub flow cache
- D. BGP version

Answer: C

NEW QUESTION 2

Refer to the exhibit. An engineer is preparing to implement data plane security configuration. Which statement about this configuration is true?

- A. Router 2 is the router receiving the DDoS attack.
- B. Router 1 must be configured with uRPF for the RTBH implementation to be effective.
- C. Router 1 is the trigger router in a RTBH implementation.
- D. Router 2 must configure a route to null 0 for network 192.168.1.0/24 for the RTBH implementation to be complete.

Answer: A

NEW QUESTION 3

Which statement describes the advantage of a Multi-Layer control plane?

- A. It provides multivendor configuration capabilities for Layer 3 to Layer 1.
- B. It automatically provisions, monitors, and manages traffic across Layer 0 to Layer 3.
- C. It supports dynamic wavelength restoration in Layer 0.
- D. It minimizes human error configuring converged networks.

Answer: A

NEW QUESTION 4

An engineer is setting up overlapping VPNs to allow VRF ABC and XYZ to communicate with VRF CENTRAL but wants to make sure that VRF ABC and XYZ cannot communicate. Which configuration accomplishes these objectives?

Answer: B

NEW QUESTION 5

Refer to the exhibit. A network engineer is configuring customer edge routers to finalize a L2VPN over MPLS deployment. Assume that the AToM L2VPN service that connects the two CEs is configured correctly on the service provider network.
Which action causes the solution to fail?

- A. OSPF does not work with L2VPN services.
- B. The routing protocol network types are not compatible.
- C. A loopback with a /32 IP address has not been used.
- D. The xconnect statement has not been defined.

Answer: B

NEW QUESTION 6

An engineer working for telecommunication company needs to secure the LAN network using a prefix list.
Which best practice should the engineer follow when he implements a prefix list?

- A. An engineer must identify the prefix list with a number only.
- B. The final entry in a prefix list must be /32.
- C. An engineer must include only the prefixes for which he needs to log activity.
- D. An engineer must use nonsequential sequence numbers in the prefix list so that he can insert additional entries later.

Answer: D

NEW QUESTION 7

Refer to the exhibit. Which three outcomes occur if the prefix list is added to the neighbor? (Choose three.)

- A. 192.168.0.0/16 is denied.
- B. 192.168.0.0/16 is permitted.
- C. 192.168.0.0/19 is permitted
- D. 192.168.0.0/19 is denied.
- E. 192.168.0.0/17 is permitted
- F. 192.168.0.0/17 is denied.

Answer: ACF

NEW QUESTION 8

Refer to the exhibit. A network engineer is implementing a BGP protocol. Which effect of the local-as keyword in this configuration is true?

- A. It enables peer 192.168.1.2 to establish a BGP relationship with R1 using AS 65012 without additional configuration.
- B. It enables peer 192.168.1.2 to establish a BGP relationship with R1 using AS 65112 and the VPNv4 address family.
- C. It enables peer 192.168.1.2 to establish a BGP relationship with R1 using AS 65012 and the VPNv4 address family.
- D. It enables peer 192.168.1.2 to establish a BGP relationship with R1 using AS 65112 without additional configuration.

Answer: D

NEW QUESTION 9

Refer to the exhibit Which effect of this configuration is true?

- A. The two routers fail to form a neighbor relationship because they have different IS-IS area types.
- B. The two routers successfully form a neighbor relationship.
- C. The two routers fail to form a neighbor relationship because the authentication configuration is missing.
- D. The two routers fail to form a neighbor relationship because their system IDs are different.

Answer: B

NEW QUESTION 10

Refer to the exhibit. Which purpose of implementing NSF with this configuration is true?

- A. The router uses NSF to handle RP switchover while allowing neighbor relationships to remain up.
- B. The router uses NSF to reduce neighbor-relationship downtime during RP switchover.
- C. The router uses NSF to load balance traffic on a routed EtherChannel.
- D. The router uses NSF to load balance traffic between two links, with the primary link alternating every 90 seconds.

Answer: A

NEW QUESTION 10

Which task must be performed first to implement BFD in an IS-IS environment?

- A. Configure BFD in an interface configuration mode.
- B. Disable Cisco Express Forwarding on all interfaces running routing protocols other than IS-IS.
- C. Configure all IS-IS routers as Level 2 devices.
- D. Configure BFD under the IS-IS process.

Answer: D

NEW QUESTION 14

Which three OSPF parameters must match before two devices can establish an OSPF adjacency? (Choose three.)

- A. IP address
- B. subnet mask
- C. interface cost
- D. process ID
- E. area number
- F. hello timer setting

Answer: BEF

NEW QUESTION 15

Refer to the exhibit. Which statement about the neighbor statements for 192.168.1.1 is true?

- A. The router sends BGP labels for its prefixes to this peer.
- B. The router must have TDP configured for the send-label command to operate.
- C. The neighbor router receives at least four labels from this router.
- D. The router sends only a label for the prefix for Loopback0.

Answer: A

NEW QUESTION 17

Refer to the exhibit. Which configuration prevents the OSPF neighbor from establishing?

- A. default-metric
- B. duplex
- C. network statement
- D. mtu

Answer: D

NEW QUESTION 21

Refer to the exhibits. R1 and R2 are directly connected and IS-IS routing has been enabled between R1 and R2. R1 generates the above log message periodically. Based on this output, which statement is true?

- A. IS-IS neighbor authentication is failing for Level 2 PDUs only.
- B. IS-IS neighbor authentication is failing for Level 2 first and then for Level 1 PDUs.
- C. IS-IS neighbor authentication is failing for Level 1 and Level 2 PDUs.
- D. IS-IS neighbor authentication is failing for Level 1 PDUs only.

Answer: D

NEW QUESTION 23

How can shared services in an MPLS Layer 3 VPN provide Internet access to the Customers of a central service provider?

- A. Static routes on CE routers allow route leakage from a PE global routing table.
- B. The CE router can establish a BGP peering to a PE router and use the PE device to reach the Internet.
- C. The customer VRF uses route targets to import and export routes to and from a shared services VRF.
- D. Route distinguishers are used to identify the routes that CEs can use to reach the Internet.

Answer: C

NEW QUESTION 28

Refer to the exhibit Which effect of this configuration is true?

- A. R1 can support a peer that is configured for LDP SSO/NSF as the peer recovers from an outage.
- B. R1 can support a graceful restart operation on the peer, even if graceful restart is disabled on the peer.
- C. R1 can failover to any peer.
- D. R1 can failover only to a peer that is configured for LDF SSO/NSF.

Answer: A

NEW QUESTION 31

Refer to the exhibit. With which router does IOSXRV-1 have LDP session protection capability enabled but session hold up is not active?

- A. 192.168.0.4
- B. 192.168.0.5
- C. 192.168.0.1
- D. 192.168.0.3

Answer: B

NEW QUESTION 33

Which statement about segment routing prefix segments is true?

- A. It is the longest path to a node.
- B. It is linked to an adjacency SID that is globally unique within the router.
- C. It is linked to a prefix SID that is globally unique within segment routing domain.
- D. It requires using EIGRP to operate.

Answer: C

NEW QUESTION 34

Refer to the exhibit. A network engineer is implementing QoS services. Which two statements about the qos-group keyword on Cisco IOS XR are true? (Choose two.)

- A. It marks packets for end-to-end QoS policy enforcement across the network.
- B. QoS group marking occurs on the ingress.
- C. The QoS group numbering corresponds to priority level.
- D. QoS group can be used in fabric QoS policy as match criteria.
- E. It cannot be used with priority traffic class.

Answer: BD

NEW QUESTION 39

Refer to the exhibit. If router RA is configured as shown, which IPv4 multicast address space does it use?

- A. 224.0.0.0/8
- B. 225.0.0.0/8
- C. 232.0.0.0/8
- D. 239.0.0.0/8

Answer: C

NEW QUESTION 41

Refer to the exhibit. What is significant about the number 2 in the configuration?

- A. It indicates two SNMP managers can read and write with the agent using community string ciscotest.

- B. It dictates the number of sessions that can be open with the SNMP manager.
- C. It is the numeric name of the ACL that contains the list of SNMP managers with access to the agent.
- D. It represents the version of SNMP running.

Answer: C

NEW QUESTION 45

Refer to the exhibit. What does the REST API command do?

- A. It removes the information identified by Descriptions.xml.
- B. It executes the information specified in Descriptions.xml.
- C. It retrieves the information requested by Descriptions.xml.
- D. It displays the information identified by Descriptions.xml.

Answer: C

NEW QUESTION 49

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