

Cisco

Exam Questions 350-501

Implementing and Operating Cisco Service Provider Network Core Technologies



NEW QUESTION 1

Refer to the exhibit. BGPsec is implemented on R1, R2, R3, and R4. BGP peering is established between neighboring autonomous systems. Which statement about implementation is true?

- A. BGP updates from the iBGP peers are appended with a community of local-as.
- B. BGP updates from the all BGP peers are appended with a community of no-export.
- C. BGP updates from the eBGP peers are appended with an additional AS path value that is statically set by the domain administrator.
- D. BGP updates from the eBGP peers are appended with a BGPsec attribute sequence that includes a public key hash and digital signature.

Answer: D

NEW QUESTION 2

You are configuring MPLS traffic-engineering tunnels in the core. Which two ways exist for the tunnel path across the core? (Choose two.)

- A. The dynamic path option is supported only with IS-IS.
- B. Tunnels can be configured with dynamic path or explicitly defined path.
- C. A zero bandwidth tunnel is not a valid option.
- D. The bandwidth statement creates a "hard" reservation on the link.
- E. Tunnel links inherit IGP metrics by default unless overridden.

Answer: BE

NEW QUESTION 3

After you analyze your network environment, you decide to implement a full separation model for Internet access and MPLS L3VPN services. For which reason do you make this decision?

- A. It enables EGP and IGP to operate independently.
- B. It enables you to choose whether to separate or centralize each individual service.
- C. It is easier to manage a system in which services are mixed.
- D. It requires only one edge router.

Answer: A

NEW QUESTION 4

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 5

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 6

Which two IS-IS parameters must match before two Level 2 peers can form an adjacency? (Choose two.)

- A. hello timer setting
- B. authentication settings
- C. area ID
- D. system ID
- E. MTU

Answer: BE

NEW QUESTION 7

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 8

Refer to the exhibit. An engineer wants to authenticate the OSPF neighbor between PE-A and PE-B using MD5. Which command on PE-B successfully completes the configuration?

- A. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication null
- B. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication key-chain 44578611
- C. PE-B(config-if)#ip ospf message-digest-key 1 md5 44568611 PE-B(config-if)#ip ospf authentication null
- D. PE-B(config-if)#ip ospf message-digest-key 1 md5 44578611 PE-B(config-if)#ip ospf authentication message-digest

Answer: D

NEW QUESTION 9

Egress PE NAT is being used via a single centralized router to provide Internet access to L3VPN customers. Which description of the NAT operation is true?

- A. The NAT table contains a field to identify the inside VRF of a translation.
- B. Multiple address pools are needed for the same L3VPN because each site has a separate NAT.
- C. The different L3VPNs using the Internet access must not have IP overlaps internally.
- D. Users in different VRFs cannot share the same outside global IP address.

Answer: A

NEW QUESTION 10

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 LDP SSO/NSF.

Answer: A

NEW QUESTION 10

In an MPLS network, which protocol can be used to distribute a Segment Prefix?

- A. LDP
- B. EIGRP
- C. OSPF
- D. RSVP-TE

Answer: C

NEW QUESTION 11

Refer to the exhibit. A network operator working for service provider with an employee id: 1234:56:789 applied this configuration to a router. Which additional step should the engineer use to enable LDP?

- A. Enable MPLS LDP on the interface.
- B. Disable Cisco Express Forwarding globally.
- C. Delete the static router ID.
- D. Configure the both keyword to enable LDP globally.

Answer: A

NEW QUESTION 14

A router RP is configured to perform MPLS LDP graceful restart.

Which three steps are included when the RP sends an LDP initialization message to a neighbor to establish an LDP session? (Choose three.)

- A. Learn from Neighbor (N) flag, set to 1
- B. Recovery Time field
- C. Type-9 LSA
- D. Reconnect Timeout field
- E. Graceful restart capability in OPEN message
- F. Learn from Network (L) flag, set to 1

Answer: BDF

NEW QUESTION 18

Refer to the exhibit. Which statement supports QPPB implementation?

- A. QPPB policies affect only egress traffic.
- B. QoS policies rely exclusively on BGP attributes to manipulate traffic.
- C. QoS policies are identified in the MPLS forwarding table.
- D. QoS policies use BGP to gain full coverage on the network.

Answer: D

NEW QUESTION 19

Refer to the exhibit. You are configuring an administrative domain in the given multi-vendor environment with PIM-SM. Which feature can you implement so that devices can dynamically learn the RP?

- A. BSR
- B. BIDIP-PIM
- C. Auto-RP
- D. SSM

Answer: C

NEW QUESTION 23

Refer to the exhibit. What does this value mean when it is received in XML?

- A. It indicates a value assigned by a network administrator to tag a route.
- B. It indicates a break in a sequence.
- C. It means a data field is blank.
- D. It shows the ending of the script.

Answer: D

NEW QUESTION 24

Refer to the exhibit. This output is included at the end of an output that was provided by a device using NETCONF. What does the code show?

- A. It shows that the full configuration is being modeled by YANG.
- B. It shows NETCONF uses remote procedure calls.
- C. It shows the hostname of the device as rpc-reply.
- D. It shows that the running configuration is blank.

Answer: B

NEW QUESTION 28

Which statement about Network Services Orchestrator (NSO) is true?

- A. It must use SDN as an overlay for addressing.
- B. It uses YANG modeling language to automate devices.
- C. It is used only in service provider environments.
- D. It can be used only with XML coding.

Answer: B

NEW QUESTION 32

Refer to the exhibit. This configuration is being applied on an IOS XR route. Which statement about this configuration is true?

- A. It is used to create a sensor-group and has a list of YANG models for streaming.
- B. It is used to create a subscription to specify the streaming interval.
- C. It is used to identify MIB entries and has a list of YANG models.
- D. It is used to identify traps for SNMP polling.

Answer: A

NEW QUESTION 33

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