Cisco

Exam Questions 300-420

Designing Cisco Enterprise Networks (ENSLD)

NEW QUESTION 1
An engineer is working with NETCONF and Cisco NX-OS based devices. The engineer needs a YANG model that supports a specific feature relevant only to Cisco NX-OS. Which model must the engineer choose?

A. Native
B. IEEE
C. OpenConfig
D. IETF

Answer: D

NEW QUESTION 2
Which design consideration must be made when dual vEdge routers are deployed at a branch site?

A. Use BGP AS-path prepending to influence egress traffic and use MED to influence ingress traffic from the branch.
B. HSRP priorities must match the OMP routing policy to prefer one vEdge over the other.
C. Traffic must be symmetrical as it egresses the vEdges and returns from remote sites for DPI to function properly.
D. Configure BFD between vEdge routers to detect sub-second link failures.

Answer: A

NEW QUESTION 3
What is one function of the vSmart controller in an SD-WAN deployment?

A. orchestrates vEdge and cEdge connectivity
B. responsible for the centralized control plane of the SD-WAN network
C. provides centralized network management and a GUI to monitor and operate the SD-WAN overlay
D. provides a data-plane at branch offices to pass traffic through the SD-WAN network

Answer: B

NEW QUESTION 4
Which solution allows overlay VNs to communicate with each other in an SD-WAN Architecture?

A. External fusion routers can be used to map VNs to VRFs and selectively route traffic between VRFs.
B. GRE tunneling can be configured between fabric edges to connect one VN to another.
C. SGTs can be used to permit traffic from one VN to another.
D. Route leaking can be used on the fabric border nodes to inject routes from one VN to another.

Answer: B

NEW QUESTION 5
A branch office has a primary L3VPN MPLS connection back to the main office and an IPSEC VPN tunnel that serves as backup. Which design ensures that data is sent over the backup connection only if the primary MPLS circuit is down?

A. Use EIGRP to establish a neighbor relationship with the main office via L3VPN MPLS and the IPSECVPN tunnel.
B. Use BGP with the multipath feature enabled to force traffic via the primary path when available.
C. Use static routes tied to an IP SLA to prefer the primary path while a floating static route points to the backup connection.
D. Use OSPF with a passive-interface command on the backup connection.

Answer: C

NEW QUESTION 6
Which method will filter routes between EIGRP neighbors within the same autonomous system?

A. distribute-list
B. policy-based routing
C. leak-map
D. route tagging

Answer: A

NEW QUESTION 7
Which two statements describe source trees in a multicast environment? (Choose two.)

A. Source trees guarantee the minimum amount of network latency for forwarding multicast traffic
B. Source trees create an optimal path between the source and the receivers
C. Source trees use a single common root placed at some chosen point in the network
D. Source trees can introduce latency in packet delivery
E. Source trees can create suboptimal paths between the source and the receivers

Answer: AB

NEW QUESTION 8
In an SD-WAN architecture, which methods are used to bootstrap a vEdge router?

A. DHCP options or manual configuration
B. vManage or DNS records
C. ZTP or manual configuration
D. DNS records or DHCP options

Answer: C

NEW QUESTION 9
An engineer must design a VPN solution for a company that has multiple branches connecting to a main office. What are two advantages of using DMVPN instead of IPsec tunnels to accomplish this task? (Choose two.)

A. support for AES 256-bit encryption
B. greater scalability
C. support for anycast gateway
D. lower traffic overhead
E. dynamic spoke-to-spoke tunnels

Answer: BE

NEW QUESTION 10
Which feature is required for graceful restart to recover from a processor failure?

A. Cisco Express Forwarding
B. Virtual Switch System
C. Stateful Switchover
D. Bidirectional Forwarding Detection

Answer: A

NEW QUESTION 10
When IPsec VPNs are designed, what is a unique requirement if support for IP Multicast is required?

A. encapsulation of traffic with GRE or VTI
B. IPsec forwarding using transport mode
C. additional bandwidth for headend
D. IPsec forwarding using tunnel mode

Answer: A

NEW QUESTION 14
An infrastructure team is concerned about the shared memory utilization of a device, and for this reason, they need to monitor the device state. Which solution limits impact on the device and provides the required data?

A. IPFIX
B. static telemetry
C. on-change subscription
D. periodic subscription

Answer: A

NEW QUESTION 15
Which design consideration should be observed when EIGRP is configured on Data Center switches?

A. Perform manual summarization on all Layer 3 interfaces to minimize the size of the routing table.
B. Prevent unnecessary EIGRP neighborships from forming across switch virtual interfaces.
C. Lower EIGRP hello and hold timers to their minimum settings to ensure rapid route reconvergence.
D. Configure multiple EIGRP autonomous systems to segment Data Center services and applications.

Answer: A

NEW QUESTION 18
Company A recently acquired another company. Users of the newly acquired company must be able to access a server that exists on Company A's network, both companies use overlapping IP address ranges. Which action conserves IP address space and provides access to the server?

A. Use a single IP address to create overload NAT
B. Use a single IP address to create a static NAT entry
C. Build one-to-one NAT translation for every user that needs access
D. Re-IP overlapping address space in the acquired company

Answer: A

NEW QUESTION 22

A customer is discussing QoS requirements with a network consultant. The customer has specified that end-to-end path verification is a requirement. Which QoS solution meets this requirement?

A. IntServ model with RSVP to support the traffic flows
B. DiffServ model with PHB to support the traffic flows
C. marking traffic at the access layer with DSCP to support the traffic flows
D. marking traffic at the access layer with CoS to support the traffic flows

Answer: A

NEW QUESTION 27
How do endpoints inside an SD-Access network reach resources outside the fabric?

A. a VRF fusion router is used to map resources in one VN to another VN
B. Fabric borders use VRFs to map VNs to VRFs
C. SD-Access transit links are used to transport encapsulated traffic from one fabric to another
D. A fabric edge is used to de-encapsulate VXLAN traffic to normal IP traffic then transported over the outside network

Answer: D

NEW QUESTION 31
Which consideration must be taken into account when using the DHCP relay feature in a Cisco SD-Access Architecture?

A. DHCP-relay must be enabled on fabric edge nodes to provide the correct mapping of DHCP scope to the local anycast gateway.
B. A DHCP server must be enabled on the border nodes to allow subnets to span multiple fabric edges.
C. DHCP servers must support Cisco SD-Access extensions to correctly assign IPs to endpoints in an SDAccess fabric with anycast gateway.
D. DHCP Option-82 must be enabled to map the circuit IP option to the access fabric node where the DHCP discover originated.

Answer: A

NEW QUESTION 33
A company is using OSPF between its HQ location and a branch office. HQ is assigned area 0 and the branch office is assigned area 1. The company purchases a second branch office, but due to circuit delays to HQ, it decides to connect the new branch office to the creating branch office as a temporary measure. The new branch office is assigned area 2. Which OSPF configuration enables all three locations to exchange routes?

A. The existing branch office must be configured as a stub area
B. A virtual link must be configured between the new branch office and HQ
C. A sham link must be configured between the new branch office and HQ
D. The new branch office must be configured as a stub area

Answer: B

NEW QUESTION 36
......

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questons and Answers in PDF Format

300-420 Practice Exam Features:

* 300-420 Questions and Answers Updated Frequently

* 300-420 Practice Questions Verified by Expert Senior Certified Staff

* 300-420 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* 300-420 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
Order The 300-420 Practice Test Here