Cisco

Exam Questions 352-001

CCDE Written Exam
NEW QUESTION 1
When you design a network that uses IPsec, where can you reduce MTU to avoid network fragmentation?

A. on both ends of the TCP connection  
B. on the side closest to the client  
C. on the side closest to the server  
D. in the WAN

Answer: A

NEW QUESTION 2
Which statement about TAP and TUN devices, which are used in a Linux/KVM cloud deployment model, is true?

A. TUN is for handling IP packets, but TAP is for handling Ethernet frames  
B. TUN is for handling Ethernet frames, but TAP is for handling IP packets  
C. TUN is for tunneling IP packets, but TAP is for tapping IP packets  
D. TUN is for tunneling Ethernet frames, but TAP is for tapping Ethernet frames

Answer: A

NEW QUESTION 3
Refer to the exhibit.

This Layer 2 ring has 10 VLANs with 1000 MAC addresses in each VLAN. Which protocol or mechanism provides the shortest traffic outage if the link marked with “X” fails?

A. Ethernet linear protection switching  
B. PVRST  
C. MST  
D. Ethernet ring protection switching

Answer: D

NEW QUESTION 4
A data center provider has designed a network using these requirements

Two data center sites are connected to the public internet  
Both data centers are connected to different Internet providers  
Both data centers are also directly connected with a private connection for the internal traffic can also be at this direct connection  
The data center provider has only /19 public IP address block  
Under normal conditions, Internet traffic should be routed directly to the data center where the services are located. When one Internet connections fails to complete traffic for both data centers should be routed by using the remaining Internet connection in which two ways can this routing be achieved? (Choose two)

A. One /20 block is used for the first data center and the second /20 block is used for the second data center  
B. The /20 block from the local data center is sent out without path prepending and the /20 block from the remote data center is sent out with path prepending at
both sites
C. One /20 block is used for the first data center and the second /20 block is used for the second data center
D. Each /20 block is only sent out locally
E. The /19 block is sent out at both Internet connections for the backup case to reroute the traffic through the remaining internet connection
F. One /20 block is used for the first data center and the second /20 block is used for the second data center
G. The /20 block from the local data center is sent out with a low BGP local preference and the /20 block from the remote data center is sent out with a higher BGP local preference of both sites
H. BGP will always load-balance the traffic to both data center sites
I. One /20 block is used for the first data center and the second /20 block is used for the second data center
J. The /20 block from the local data center is sent out with a low BGP weight and the /20 block from the remote data center is sent out with a higher BGP weight at both sites
K. The data center provider must have an additional public IP address block for this routing

Answer: AB

NEW QUESTION 5
How can a network designer reduce the amount of LSA flooding occurring in a large, single area fully-meshed OSPF topology?

A. Implemented passive OSPF interfaces on the routers not participating on the DR/BDR election.
B. Use access control lists to control outbound advertisements.
C. Ensure DR and BDR routers are placed optimally in the topology.
D. Place all point-to-point links in their own dedicated areas.

Answer: C

NEW QUESTION 6
A company would like to distribute a virtual machine (VM) hosting cluster between three data centers with the capability to move VMs between sites. The connectivity between data centers is IP only and the new design should use the existing WAN. Which Layer 2 tunneling technology do you recommend?

A. AToM
B. L2TPv3
C. OTV
D. VPLS

Answer: C

NEW QUESTION 7
Which three network management requirements are common practices in network design? (Choose three)

A. Ensure that all network devices have their clocks synchronized.
B. Collect SNMP poll information for future regression analysis.
C. Capture both ingress and egress flow-based packets, while avoiding duplication of flows.
D. Look at average counters instead of instantaneous counters for inconsistent and bursty KPIs, such as CPU utilization and interface utilization.
E. Validate data plane health, and application and services availability, with synthetic traffic.

Answer: ABD

NEW QUESTION 8
Which OSPF design consideration, with regards to simplicity and address preservation, must be considered when connecting two Layer 3 switches directly using 10 GBASE-T cabling and formatting an OSPF neighbor adjacency?

A. Mesh groups must be included in the design
B. The OSPF Hello and Dead timers must be tuned to detect failures as quickly as possible
C. The OSPF network type must be set to point-to-multipoint
D. An OSPF neighbor adjacency formed over loopback interfaces must be placed in Area 0
E. The OSPF network type must be set to point-to-point

Answer: E

NEW QUESTION 9
Which three processes are part of the ITILv3 Service Operation? (Choose three)

A. Release and deployment management
B. Problem management
C. Incident management
D. Event management
E. Service-level management
F. Change management

Answer: BCD

NEW QUESTION 10
Which two options are benefits of using Topology Independent Loop-Free Alternate in WAN design? (Choose two)
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A. It provides backup convergence for all topologies by avoiding the post-convergence path
B. It maximizes the network utilization by load-sharing across low bandwidth and edge links while IGP convergence is in progress
C. No additional protocols are required in the MPLS network because it uses LDP labels to signal the backup path
D. Although it requires enabling segment routing, SR does not have to be activated as the preferredforwarding method
E. It can provide backup paths for IPv4, IPv6 and LDP traffic

Answer: AE

NEW QUESTION 11
A customer requests that you determine how much of their remote branch traffic into a central data center is related to a call manager that resides in the data center. Which solution do you recommend?

A. Enable NetFlow on branch routers
B. Enable NetFlow on central data center routers
C. Perform SNMP polling of central data center routers
D. Perform SNMP polling of branch routers
E. Create an ACL on the local call manager switch with logging enabled
F. Span traffic from the switch port on the call manager to a data analyzer

Answer: B

NEW QUESTION 12
You are reviewing a new data center design for a customer. They chose to leverage a tunnel-based overlay technology for quick deployment and multitenant security. Which design concern can affect the availability across the data center?

A. Nonoverlapping IP address space between the overlay networks
B. MTU size on the underlay links
C. Review of common paths on the underlay links
D. Paper placement of STP root bridge in overlay networks

Answer: B

NEW QUESTION 13
Which three items do you recommend for control plane hardening of an infrastructure device? (Choose three)

A. To enable unused services
B. Warning banners
C. Routing protocol authentication
D. Control Plane Policing
E. Redundant AAA servers
F. SNMPv3

Answer: CDF

NEW QUESTION 14
A healthcare customer requested that health statistics from their infrastructure devices are to be sent over their service provider MPLS network. Which protocol must be enabled?

A. SNMPv3
B. Syslog TLS
C. syslog
D. SNMPv2
E. SSH

Answer: A

NEW QUESTION 15
Your customer asked you to redesign their IS-IS network to reduce to a minimum the number of adjacencies because the network has several routers running L1/L2 mode on the same Ethernet segment. Which action do you recommend?

A. Define only one router on the segment to be DIS
B. Make the interface priority on the backup DIS lower than the primary DIS
C. Change half the routers to L1 routers and half to L2 routers
D. Change all routers to a single-level area

Answer: D

NEW QUESTION 16
Which MPLS attribute is required for links to carry a given MPLSTE tunnel?

A. TE tunnel destination address
B. Tunnel path-selection metric
C. Affinity
D. Next-hop backup tunnel

Answer: A
NEW QUESTION 17
Assume that no multicast optimization is done on LAN switches A and B. Which two features can be used to optimize multicast traffic forwarding in this situation? (Choose two.)

A. Enable IGMP snooping querier on both switches.
B. Configure a static MAC entry for the multicast server.
C. Disable IGMP snooping on both switches.
D. Disable the IGMP query election process.
E. Enable PIM snooping on both switches.

Answer: AC

NEW QUESTION 18
A new video multicast application is deployed in the network. The application team wants to use the 239.0.0.1 multicast group to stream the video to users. They want to know if this choice will impact the existing multicast design. What impact will their choice have on the existing multicast design?

A. Because 239.0.0.1 is a private multicast range, a flood of PIM packets that have to be processed by the CPU and hosts will be sent by the routers in the network.
B. Because 239.0.0.1 is a private multicast range, the rendezvous point has to send out constant group updates that will have to be processed by the CPU and hosts.
C. The multicast application sends too many packets into the network and the network infrastructure drops packets.
D. The 239.0.0.1 group address maps to a system MAC address, and all multicast traffic will have to be sent to the CPU and flooded out all ports.

Answer: B

NEW QUESTION 19
Which two statements regarding to QoS marking are true? (Choose two)

A. Shaping is one of the ways that packets can be remarked
B. Class-based marking occurs after packet classification
C. 802.1Q/p CoS bits and IP Precedence are both layer 3 marking fields
D. QoS marking establishes a trust boundary that scheduling tools depend on
E. MPLS EXP and DSCP are both layer 2 marking fields

Answer: BC

NEW QUESTION 20
Which are two data plane hardening techniques? (Choose two)

A. Infrastructure ACLs
B. Control Plane Policing
C. Redundant AAA servers
D. Disable unused services
E. Routing protocol authentication
F. SNMPv3
G. Warning banners

Answer: AB

NEW QUESTION 21

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