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920-136

NCDS - Ethernet Switching Solutions

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QUESTION NO: 1

A customer is supporting an interactive multi-media application that cannot afford transmission delays. Which functionality can be employed to allow the Ethernet Routing Switch 8600 to prioritize this traffic ahead of lower priority traffic?

- A. VRRP
- B. P1-Traffic
- C. QoS
- D. MLT

Answer: C

QUESTION NO: 2

A large pharmaceutical company called Alpha has offices located throughout the southern region of the country. Alpha recently bought two smaller pharmaceutical companies called Beta and Gamma, each company with its own address space and backbone area. The offices for Beta and Gamma are located in the northern region of the country.

Alpha's corporate WAN is comprised of 36 Ethernet Routing Switch 8600s, and uses OSPF as its routing protocol. It has an Autonomous System (AS) number of 266. Beta's corporate WAN is comprised of 18 Ethernet Routing Switch 8600s, uses OSPF as its routing protocol, and has an AS number of 458. Gamma's corporate WAN is comprised of 15 Ethernet Routing Switch 8600s, uses OSPF as its routing protocol, and has an AS number of 323. Company Alpha needs the ability to have all three networks communicating with each other.

Which routing method should you recommend on inter-company links that would allow communication among the three companies' networks?

- A. Use OSPF on inter-company links and assign the links to Area 0.0.0.0.
- B. Use BGPv4 on inter-company links.
- C. Use static routing on inter-company links.
- D. Use OSPF on inter-company links and assign the links to a new Area.

Answer: B

QUESTION NO: 3

A customer is configuring a new Ethernet Switch 470-48T and is implementing Quality of Service (QoS) using web-based management applications. The QoS Wizard was used for the initial configuration. Nortel documentation recommends that the QoS Wizard not be used after the initial

configuration, but to use QoS Advanced to customize traffic treatment instead. Which statement about the QoS Wizard is true?

- A. It does not allow the traffic to be metered when a policy is defined.
- B. It can only be run when no policies have been defined.
- C. It does not allow the traffic to be shaped when a policy is defined.
- D. It resets all existing configurations to the default values each time it is initiated.

Answer: D

QUESTION NO: 4

A customer needs a Layer 3 device that supports the following configuration:

34 1000Base-SX for edge device connections

72 1000Base-T for local server connections

Which devices will meet the customer's requirements?

- A. 8010 chassis, two 8005 power supplies, two 8691SF, five 8608GBE, two 8648TXE, 36 SX GBICs
- B. 8006 chassis, two 8004AC power supplies, one 8691SF, four 8608SXE, one 8632TXE, one 8648TXE, two SX GBICs
- C. 8010 chassis, two 8005 AC power supplies, two 8692SF, two 8630GBR, two 8648GTR, 34 SX SFPs
- D. 8010 chassis, two 8005AC power supplies, one 8692SF, one 8630GBR, three 8632TXE, six SX GBICs, thirty SX SFPs

Answer: C

QUESTION NO: 5

Click on the Exhibit button.

A customer has recently installed one optical point-to-point connection between their data center and their headquarters buildings. Optical multiplexer/demultiplexers (OMUX) are installed at both locations, and both the Ethernet Routing Switch 8600s and the ERS 5510-48T will be equipped with the necessary Gigabit Interface Converters for Coarse Wavelength Division Multiplexing (CWDM GBICs). The optical connection will be used to support redundant paths to multiple stacks of ERS 5510-48T, with each ERS 5510-48T having one trunk in an SMLT going to the two Ethernet Routing Switch 8600s at the network core. The connection between the Ethernet Routing Switch 8600s for virtual router redundancy protocol (VRRP) will not go through the optical

connection.

What is the maximum number of ERS 5510-48T stacks at the headquarters building that this optical connection can support?

Exhibit: 136-44.JPG

- A. 4
- B. 8
- C. 2
- D. 6

Answer: A

QUESTION NO: 6

A customer is expressing concern about reliability for their single uplink connection to the wiring closet. The switches in the wiring closet support Distributed Multi-Link Trunking (DMLT). What can be done so the Ethernet Routing Switch 8600 can eliminate a single point of failure for the lowest price?

- A. Duplicate the trunk elements in software.
- B. Configure multiple Ethernet Routing Switch 8600s using Split Multi-Link Trunking (SMLT).
- C. Duplicate the trunks across separate modules using DMLT.
- D. Add a second switch fabric module.

Answer: C

QUESTION NO: 7

A customer is implementing QoS on their network. They know the different types of QoS and at which Layer of the OSI model they function. Which statement describes where the DSCP information and the 802.1p information reside?

- A. Both the DSCP and the 802.1p are contained in the MAC header.
- B. Both the DSCP and the 802.1p are contained in the IP header.
- C. The DSCP is contained in the MAC header, and the 802.1p is contained in the IP header.
- D. The DSCP is contained in the IP header, and the 802.1p is contained in the MAC header.

Answer: D