

QUESTIONS & ANSWERS

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Nortel

920-463

Ethernet Switching Design Expert

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QUESTION: 43

You have designed a new network for a client. The client's staff is very experienced and you are confident of their abilities. The client decides to configure administrator (admin) weights for service classes within the main Device Manager window of an Ethernet Routing Switch 8600. If they unintentionally overweight a given class when its queue is active, what will most likely result?

- A. Admin weights will return to system defaults.
- B. Traffic will be handled without regard to service classes.
- C. Packet forwarding from lower priority queues may be neglected.
- D. The given queue may transmit network control packets with an incorrect QoS classification.

Answer: C

QUESTION: 44

A company requires that its local network be securely protected at a level above using simple user names and passwords. Over the past several months, temporary employees have attempted the following types of unauthorized network access:

Modification

Masquerade

Disclosure

Which method of secure switch access should be recommended to this customer, knowing that some employees are attempting to access network devices?

- A. Update community strings and change strings on a frequent basis.
- B. Disable Secure Shell V2 (SSH-2) to access the Ethernet switches and routers.
- C. Implement Remote Access Dial-In User Service (RADIUS) at a remote location to monitor access attempts for each device.
- D. Install a SNMP v3 server and load encryption libraries into the Ethernet switches to monitor and manage the network devices.

Answer: D

QUESTION: 45

A customer with a large enterprise network consisting of hundreds of branch offices connected to various types of communications services has opened a new office in Syracuse, New York.

The new office is quite large, consisting of 1500 workstations and 40 servers. The new office will be connected to the corporate network using two 10 Mbps Transparent LAN circuits (TLS). The network backbone consists of a pair of Ethernet Routing Switch 8600s at the core and Ethernet Switch 470-48Ts at the edge. The company currently uses a pair of RADIUS servers at its main corporate data center to control management access to all network devices in the company. How is it possible to extend this security schema to the new branch office?

- A. Install a new RADIUS server at the Syracuse, New York location.
- B. It is not possible to use a connection to the RADIUS server over TLS service.
- C. Point the new Ethernet Routing Switch 8600 and Ethernet Switch 470 to the existing RADIUS servers.
- D. Create a management VLAN at the Syracuse location and allow only the RADIUS servers access to this VLAN.

Answer: C

QUESTION: 46

On a multi-facility network with mobile laptop users, you have decided to use Extensible Authentication Protocol over LAN (EOPoL) (IEEE 802.1x) based security with an Ethernet Routing Switch 8600 as the edge switch. What is a key design consideration?

- A. A RADIUS server must not be used.
- B. The dynamic VLAN configuration must be overridden.
- C. Laptops must run an IEEE 802.1x compliant supplicant.
- D. The authenticator and the supplicant must be connected to the same switch.

Answer: C

QUESTION: 47

A multiplayer computer game development company has three Ethernet Switch 470-48Ts (one on each floor) and an Ethernet Routing Switch 1600 at the network core. During the testing phase of a current project, employees on different floors of the building all play together. They are reporting high latency when the games are tested at the same time that managers are conducting video conferences. However, the video conferences are experiencing no apparent problems. What would you change in the network configuration to decrease the latency experienced by the game testers?

- A. Use a traffic profile to police the VoIP traffic.
- B. Assign the gaming traffic to a Best Effort service.
- C. Remove the jitter caused by the VoIP application.
- D. Increase the service class of the game testing equipment.

Answer: D

QUESTION: 48

You are designing a network for a television broadcasting company. There are 140 channels, with 25 channels being watched the most. You have decided to use the Distance Vector Multicast Routing Protocol (DVMRP) to multicast the television content, but due to the depth of the network you are concerned that there will be stream building delays when users first select a new channel. Which two are disadvantages to configuring static routes for the most popular channels? (Choose two.)

- A. Frequency of probe messages is increased.
- B. Source trees will take longer to build for the static routes
- C. Results in continuous traffic, even with no active receivers.
- D. Count-to-infinity problems occur, even with no loops present.
- E. Forwarding entries are not pruned and must be manually deleted.

Answer: C, E

QUESTION: 49

You are designing a network for a service provider around the Ethernet Routing Switch 8600 for multicast applications. Some ports will be VLANs. The provider needs a secure way of tracking usage per user. Which security method would you recommend?

- A. Sygate IEEE 802.1 Enforcement running with any AAA server
- B. Transparent mode for IEEE 802.1 with any standard AAA server
- C. Implement IGAP Multiple User/ Fast Leave mode on those VLANs.
- D. Implement IGAP in Single User/ Fast Leave mode on those VLANs

Answer: C

QUESTION: 50

In order to implement an EAPoL (IEEE 802.1x) based security feature, which devices must be incorporated into your network design? (Choose two.)

- A. RADIUS server
- B. Redundant Power Supply
- C. Ethernet Routing Switch 1425
- D. Ethernet Routing Switch 5500 models

Answer: A, D

QUESTION: 51

A customer has invested in an Ethernet Routing Switch 8600 to manage their network traffic. Their intranet is currently being flooded with AppleTalk traffic from some of its older

workstations. Which Layer 2 attribute should you configure in a global filter to drop all AppleTalk traffic?

- A. Ethertype
- B. VLAN ID number
- C. ingress port number
- D. IEEE 802.1q tag presence

Answer: A

QUESTION: 52

You are working on a design team implementing a converged network. This network will be running both multicasting and VoIP for 750 users. The decision has been made to use the following switches:

Ethernet Routing Switches 5510 and 8300 at the network edge.

Ethernet Routing Switches 1600 and 5530 at the aggregation level.

Which switch would you use in the core?

- A. Ethernet Routing Switch 1600
- B. Ethernet Routing Switch 8300
- C. Ethernet Routing Switch 8600
- D. Ethernet Routing Switch 1600 or 5510

Answer: C

QUESTION: 53

A company would like to add video streaming to its web-conferencing capabilities. The company also wants to implement VoIP to minimize toll charges. Their network has three Ethernet Routing Switch 8600s and two Ethernet Switch 5510-48Ts. The network handles a large amount of data and as a result can get very congested and cause delays during peak hours. Consequently, the VoIP should be assigned to the Premium service class and video streaming should be assigned to the Platinum service class. How would you map this into the forwarding classes?

- A. EF for VoIP; AF for video streaming
- B. AF for both VoIP and video streaming
- C. Reserved for VoIP; EF for video streaming
- D. Best Effort for both VoIP and video streaming

Answer: A

QUESTION: 54

In designing an IEEE 802.1x enforcement security scheme around the Ethernet Routing Switch

8600, which competitive advantage does it give the customer?

- A. Allows revenue source protection.
- B. Allows collection of per-usage information.
- C. Allows deployment without implementing user authentication.
- D. Allows implementation of user authentication regardless of connectivity location.

Answer: D

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