640-864^{Q&As}

Designing for Cisco Internetwork Solutions

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QUESTION 1

A customer wants to support a BYOD environment. What two products allow for posture assessment? (Choose two.)

A. ACS

B. NAC

C. ASA

D. ISE

E. WAAS

F. IDS

Correct Answer: BD

QUESTION 2

Which one of these statements is true concerning the data center distribution (aggregation) layer design?

A. With Layer 3 at the aggregation layer, the physical loops in the topology must still be managed by STP.

B. The boundary between Layer 2 and Layer 3 must reside in the multilayer switches, independent of any other devices such as firewalls or content switching devices.

C. A mix of both Layer 2 and Layer 3 access is sometimes the most optimal.

D. In a small data center, the aggregation layer can connect directly to the campus core, exchanging IP routes and MAC address tables.

Correct Answer: C

QUESTION 3

Your supervisor wants you to recommend a management protocol that will allow you to track overall bandwidth utilization, utilization by traffic type, and utilization by source and destination. Which is ideally suited for this function?

A. MRTG

B. NetFlow

C. RRD

D. SNMP

Correct Answer: B

QUESTION 4

Which two common cable management strategies are used in high-density server deployments in the data center? (Choose two.)

A. top-of-rack

B. middle-of-rack

C. bottom-of-rack

D. beginning-of-row

E. middle-of-row

F. end-of-row

Correct Answer: AF

QUESTION 5

Cisco Identity-Based Networking Services relies heavily on the 802.1X protocol. Which other authentication solution is used hand-in-hand with 802.1X to authenticate users for network access?

A. RADIUS

B. LEAP

C. IPsec

D. TACACS

E. ISAKMP

Correct Answer: A

Cisco Identity-Based Network Services The Cisco Identity-Based Network Services solution is a way to authenticate host access based on policy for admission to the network. IBNS supports identity authentication, dynamic provisioning of VLANs on a per-user basis, guest VLANs, and 802.1X with port security. The 802.1 X protocol is a standards-based protocol for authenticating network clients by permitting or denying access to the network. The 802.1 X protocol operates between the end-user client seeking access and an Ethernet switch or wireless access point (AP) providing the connection to the network. In 802.1 X terminology, clients are called supplicants, and switches and APs are called authenticates. A back-end RADIUS server such as a Cisco Access Control Server (ACS) provides the user account database used to apply authentication and authorization. With an IBNS solution, the host uses 802.IX and Extensible Authentication Protocol over LANs (EAPoL) to send the credentials and initiate a session to the network. After the host and switch establish LAN connectivity, username and password credentials are requested. The client host then sends the credentials to the switch, which forwards them to the RADIUS ACS. The RADIUS ACS performs a lookup on the username and password to determine the credentials\\' validity. If the username and password are correct, an accept message is sent to the switch or AP to allow access to the client host. If the username and password are incorrect, the server sends a message to the switch or AP to block the host port. Figure 13-4 illustrates the communication flow of two hosts using 802.1X and KAPoL with the switch, AP, and back-end RADIUS server.

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