Chapter 5: Cloud Connectivity and Troubleshooting Scenario-Based Questions
Book Title: CompTIA Cloud+Guide to Cloud Computing
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Module Review

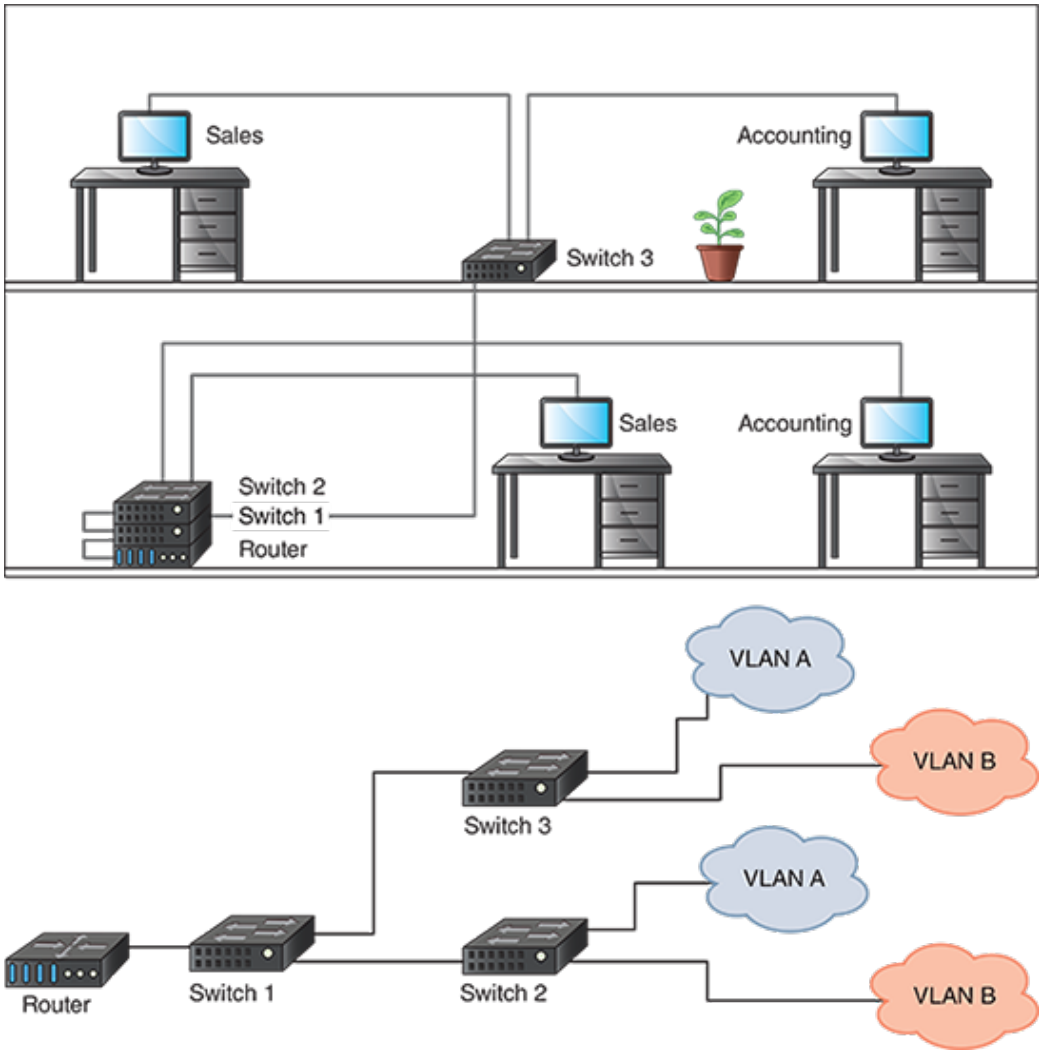
Scenario-Based Questions

Question 5-1

Marc has configured two VLANs on his office network: VLAN A and VLAN B. He has three switches: Switches 1, 2, and 3. As shown in Figure 5-30, Switch 1 on the first floor of Marc's office building is connected to his router. It's also connected to Switch 2 on the first floor and to Switch 3 on the second floor. VLAN A handles traffic for the Accounting Department, and VLAN B handles traffic for Sales. Both VLANs have network clients on each floor.

Figure 5-30

Marc's office network



Marc is having trouble getting clients on different VLANs to talk to each other, even when they're on the same floor. For example, the sales computer on the first floor can't connect to the accounting computer sitting right next to it. It's the same problem on the second floor. Which device is most likely the source of the problem?

a. Switch 1

b. Switch 2

c. Switch 3

d. The router

Question 5-2

Luca is configuring a VPN connection to her company's new cloud network. She has web server instances deployed in the cloud, and she's using the VPN to connect those instances to a database that will remain in her on-prem network. Luca has decided to use dynamic routing in the VPN. Which routing protocol will she most likely be using?

a. RIP

b. EIGRP

c. IPsec

d. BGP

Question 5-3

Sami is trying to ping between instances in her newly created VNet, but it's not working. She's double-checked the IP addresses she's using, and she's confirmed the instances are running. She decides to check the network's firewall settings to ensure that the ping protocol is allowed. Which protocol should she look for?

a. BGP

b. SSH

c. IPsec

d. ICMP