IT 125-41194

Alex Arnold

Lab 3.1.4

Questions:

Step 2 E - What are at least 3 other applications available for use?

DNS, HTTP, HTTPS, IMAP, POP3

STEP 2 G - What happened to the packet?

The packet traveled from PC0 to S1 and was then Broadcast from S1 to all the other devices on VLAN 30.

Reflection Questions

1. If a PC in VLAN 10 sends a broadcast message, which devices receive it?

All of the pcs in VLAN 10 except its self will receive the message

2. If a PC in VLAN 20 sends a broadcast message, which devices receive it?

All of the pcs in VLAN 20 except its self will receive the Message

3. If a PC in VLAN 30 sends a broadcast message, which devices receive it?

All of the pcs in VLAN 30 except its self will receive the Message

4. What happens to a frame sent from a PC in VLAN 10 to a PC in VLAN 30?

The frame failed to reach its destination as there is no communication between the VLANS

5. Which ports on the switch light up if a PC connected to port 11 sends a unicast message to a PC connected to port 13?

Both port 11 and 13 will light up

6. Which ports on the switch light if a PC connected to port 2 sends a unicast message to a PC connected to port 23?

The packet will be dropped

7. In terms of ports, what are the collision domains on the switch?

Each port is its own collision domain.

8. In terms of ports, what are the broadcast domains on the switch?

Each VLAN has its own broadcast domain