# NAME: An Ngoc Truong Class Time 2-4pm Day Friday, August 7, 2020

## WEEK 2 WORK SHEET

**Lab - Build a simple network**

Fill in the commands used to achieve the required configuration as you work through the lab. Also where the ? appears, enter the prompt that is shown either before or after the command is entered. We will add to this list of commands in future labs

|  |  |  |  |
| --- | --- | --- | --- |
| On the PC | Command used | | |
| Command to start the “command prompt” window | cmd | | |
| Command to view the full IP address on the PC | Ipconfig/all | | |
| Command to test if PC A can reach PC B | Ping 192.168.1.11 | | |
|  | | | |
| Configuration needed | Prompt BEFORE | Command used [FILL IN ALL BLANKS] | Prompt AFTER |
| Change from user EXEC mode to privileged EXEC mode | Switch> | enable | Switch# |
| Enter global configuration mode | Switch# | configure terminal | Switch(config)# |
| Change or set up the hostname | Switch(config)# | hostname \_\_ | (config)# |
| Disable the Domain Name System (DNS) lookup | S1(config)# | no ip domain-lookup | (config)# |
| Set secure access to the console line | S1(config)# | Line con 0 | S1(config-line)# |
| * Set the console password to cisco | S1(config-line)# | password cisco | S1(config-line)# |
| Leave one “mode” to return to the previous mode |  |  |  |
| Prevent unauthorized access to the privileged EXEC mode with an encrypted password | S1(config)# | service password-encryption | S1(config)# |
| Enter the mode to configure the SVI on a switch | S1(config)# | interface vlan 1 | S1(config-if)# |
| * Configure the IP address | S1(config-if)# | ip address 192.168.1.2 255.255.255.0 | S1(config-if)# |
| * Activates the virtual interface | S1(config-if)# | no shut | S1(config-if)# |
| Encrypt plain text passwords | S1(config)# | service password-encryption | S1(config)# |
| Create a login banner | S1(config)# | banner motd ‘Banner’ | S1(config)# |
| Configure the VTY line for the switch to allow Telnet access | S1(config)# | line vty 0 4 | S1(config-line)# |
| * Set the vty password | S1(config-line)# | password cisco | S1(config-line)# |
| Show commands………… |  |  |  |
| Show the status of the interfaces | S1# | show ip interface brief |  |
| Show command used to display the IOS version | S1# | show version |  |
| Show command used to display the configuration file | S1# | show running-config |  |

# Lab - Using Wireshark to View Network Traffic

## Part 1 Capture and Analyze Local ICMP Data in Wireshark Step 1

**Step 3**

1. Your PC IP address: 10.230.86.57
2. You PC MAC address: 98-90-96-9A-41-E6
3. Your default gateway IP address: 10.230.84.1

c. Yes

## Part 2 Capture and Analyze Remote ICMP Data in Wireshark Step 2

Yahoo: IP:202.165.107.49 MAC: 50 :d4 :f7 :a0 :d9 :dc

Cisco: IP:23.74.249.14 MAC: 50:d4 :f7 :a0 :d9 :dc

Google: IP:.216.58.199.68 MAC: 50 :d4 :f7 :a0 :d9 :dc

..Why do you think this is the case? The IP address of destinations are difference but the MAC of them are the same as they are all physically pinged with the same device in one local network.