CISCO Packet Tracer In-Lab Assignment for Lab Section-B

Objectives

Your task is to build the network in the image below. Use the table to configure the devices in the network. Finally, verify that the devices are connected and that the network is working.

Background /Scenario

Note: You are working on this assignment **INDIVIDUALLY**. You may use the lab content on SUCourse+ and the internet, but you are **not allowed to use any AI tool or to communicate with any other student during this lab**.

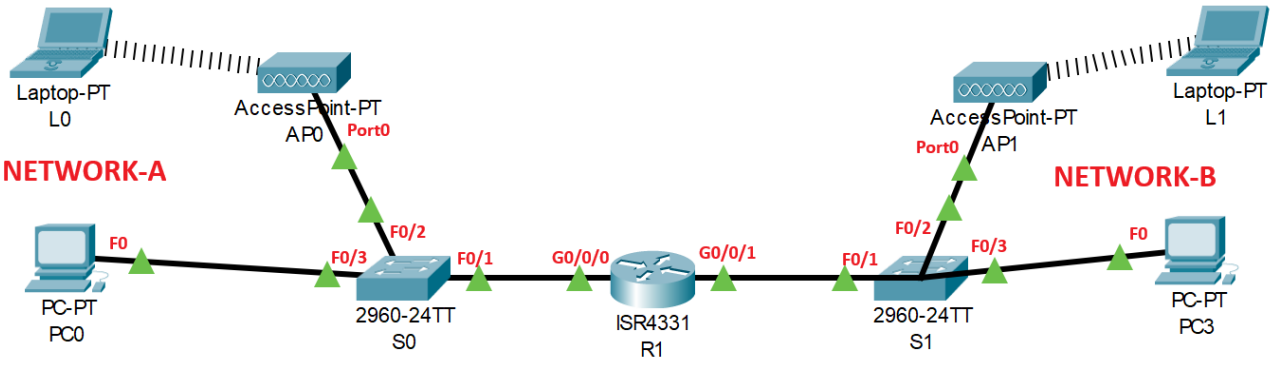
Design and build the network below from scratch.

- Your design must include a minimum of one Cisco 4331 router, two Cisco 2960 switches, one AP-PT, two PCs, and two Laptops.
- Use the information in the table to configure the network (use IPv4 addresses).
- Verify that the network works using the following steps (MAKE SURE YOU USE SIMULATION MODE):
  - Send a PDU (message icon) from L0 in Network A to PC3 in Network B
  - Send a PDU from L1 in Network B to PC0 in Network A
  - Send a PDU from L1 to PC3 in Network B.
- Once you are done, call one of the TAs to check your work. Make sure you sign the attendance sheet before leaving class.
- You will not submit anything to SUCourse. The only way you will be graded is if you show your work to a TA and sign the attendance sheet.

Required Resources

- CISCO Packet Tracer Tool

Here is the network that you must have built by the end of this lab:



This is the table that you will use to configure the devices in the network above.

NOTE: G = GigabitEthernet, F = FastEthernet, W = Wireless

Device Name	IP Address	Subnet Mask	Default Gateway
R1	**G0/0/0 – 192.168.1.1** **G0/0/1 - 192.168.1.33**	**255.255.255.224** **255.255.255.224**	**N/A**
PC0	**F0 – 192.168.1.2**	**255.255.255.224**	**192.168.1.1**
L0	**W0 – 192.168.1.8**	**255.255.255.224**	**192.168.1.1**
PC3	**F0 – 192.168.1.34**	**255.255.255.224**	**192.168.1.33**
L1	**W0 – 192.168.1.41**	**255.255.255.224**	**192.168.1.33**

Once you are done building the network and configuring it, make sure you carry out the verification steps mentioned above under the Background/Scenario section. Make sure you are using simulation mode. Call a TA to see your work once you are ready.