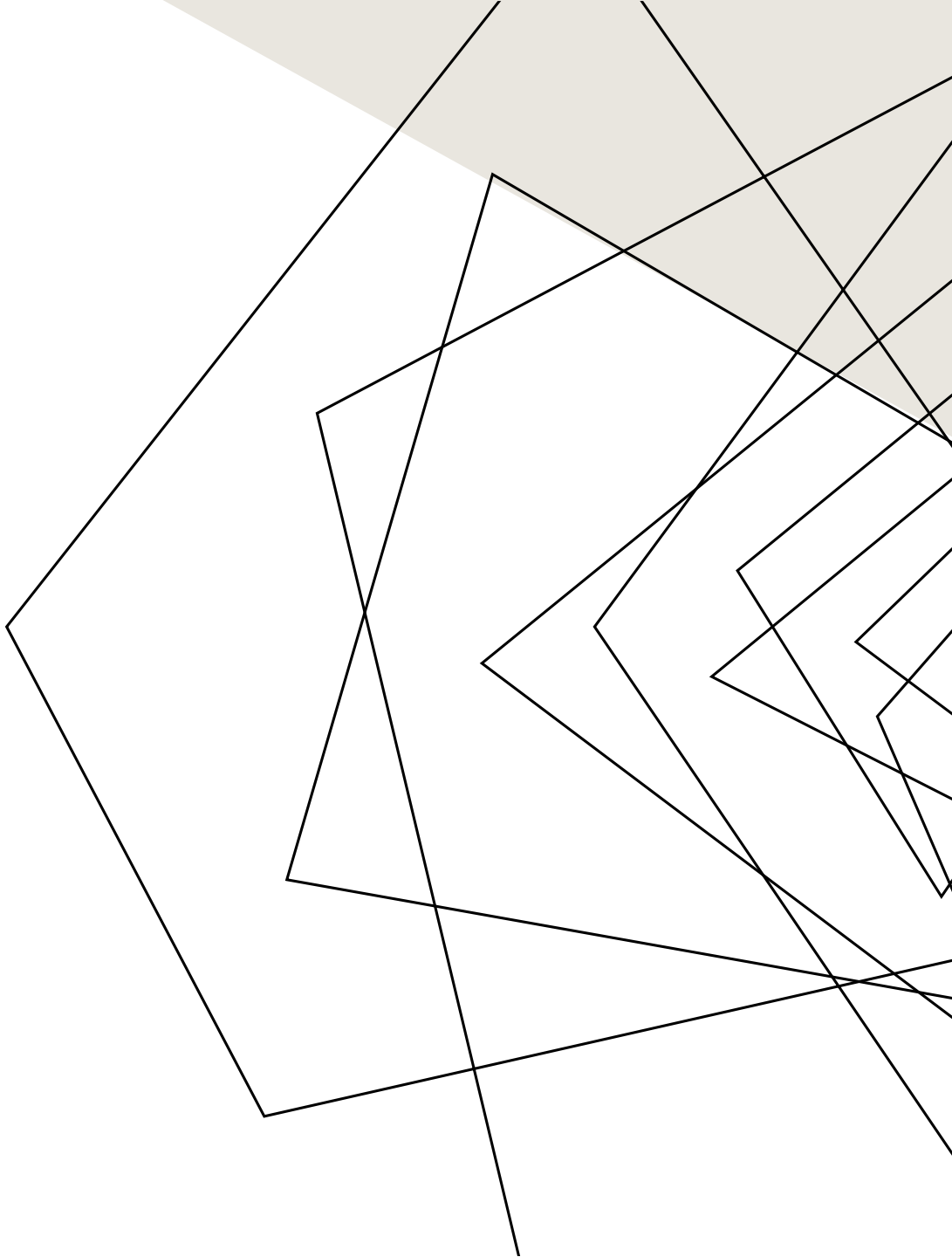
IT PROJECTS WITH CISCO PACKET TRACER BY BRYAN ORTEGA IT PROJECTS WITH CISCO PACKET TRACER BY BRYAN ORTEGA

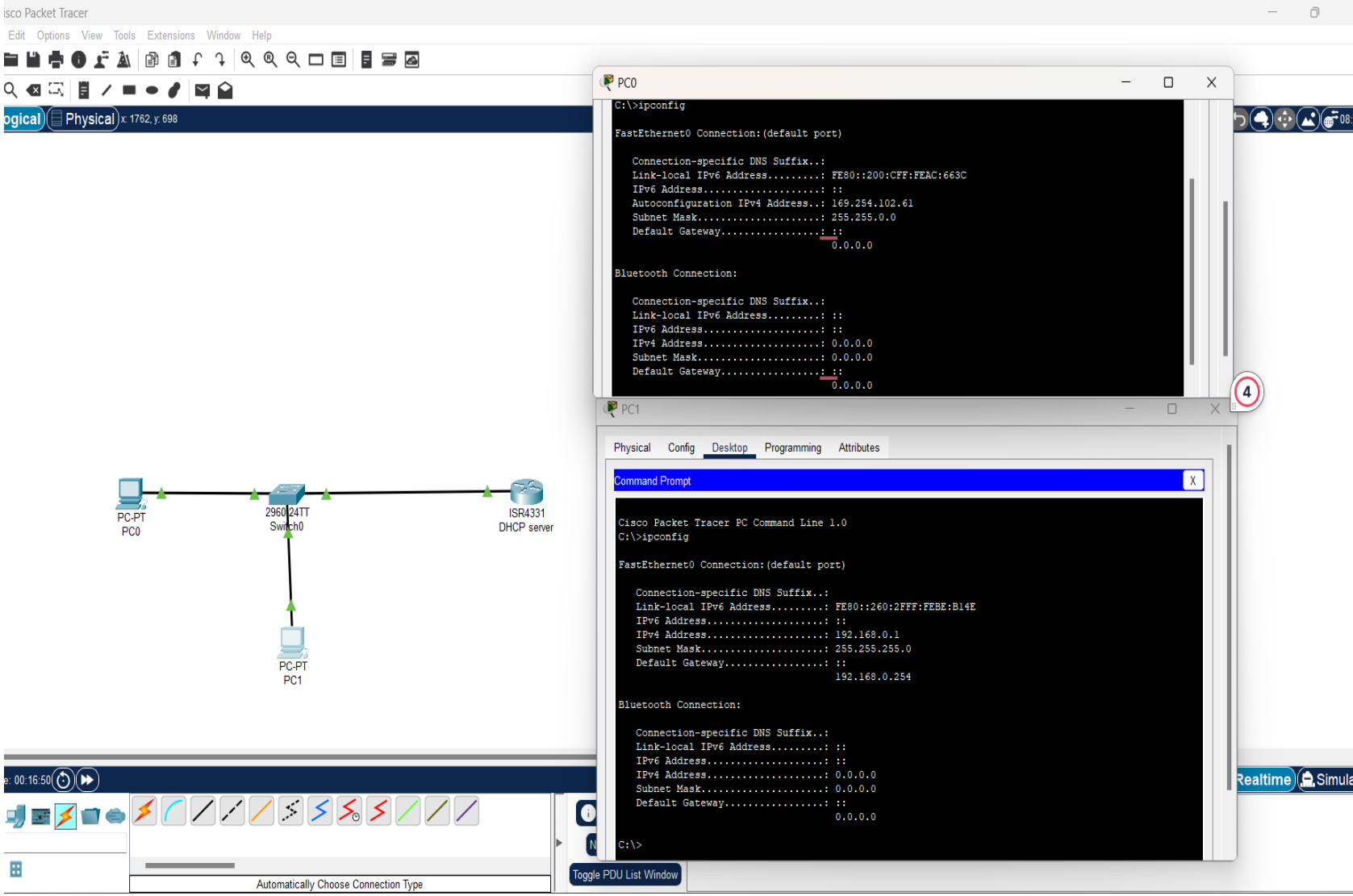
ABOUT US

I am an entry-level cybersecurity student eager to grow in the IT field. , I am committed to expanding my skills and gaining practical experience. My goal is to contribute to the protection of digital assets while continually learning and advancing in the fast-evolving world of cybersecurity. I am Comptia A+ and N+ certified. Currently perusing the sec+ certification. throughout my studies I would like to apply my knowledge into action.

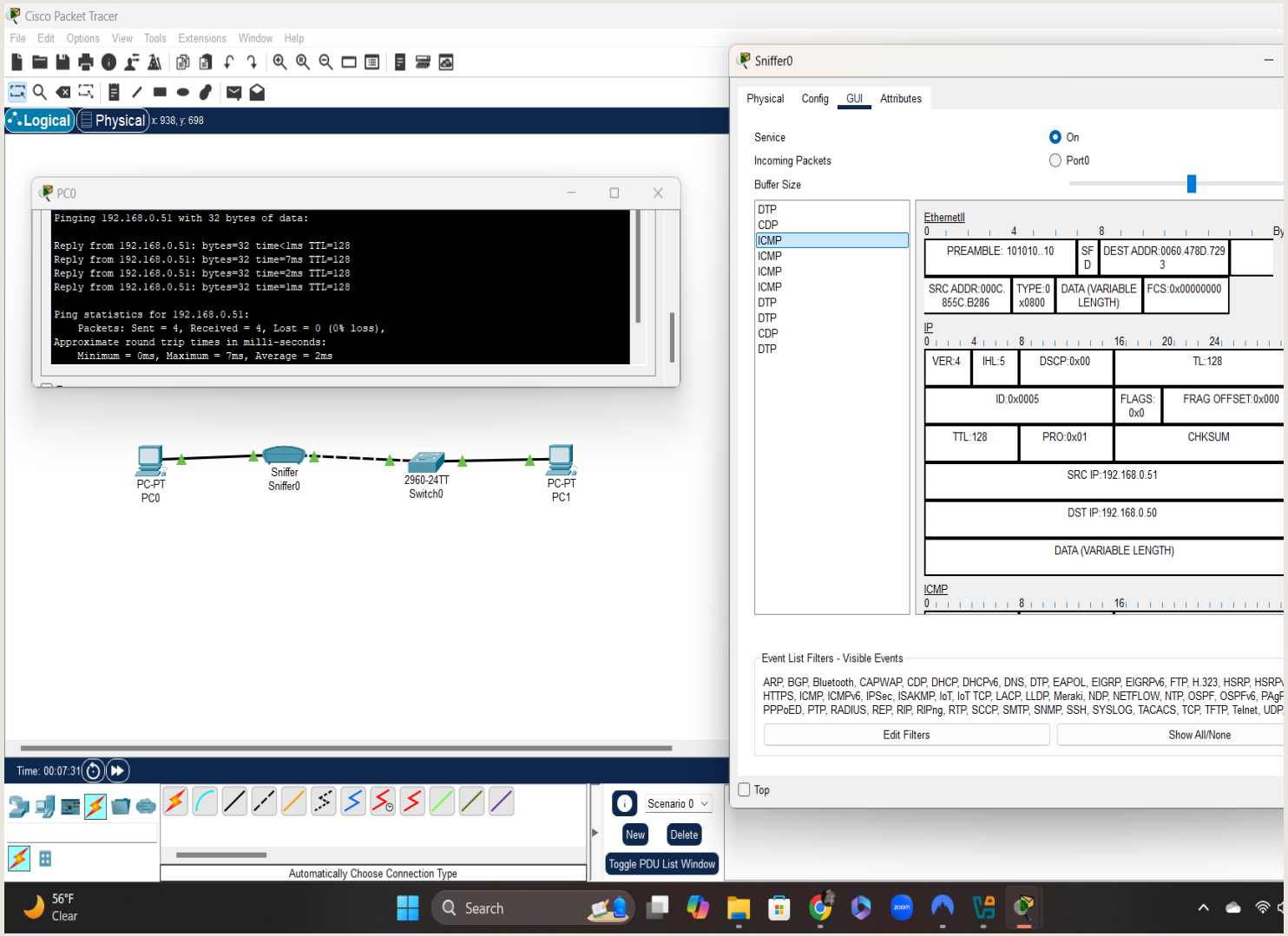


DHCP SCOPE

- Here I set up a DHCP server using packet tracer.
- I used 2 pcs, 1 switch, 1 router and copper straight through cable.
- First thing I did was go to my router>CLI; created a DHCP pool, created a network for the scope to work in, default router.
- Second, I configured an IP address so the router can communicate with the switch.
- Third, I IPconfig the pc to verify it received the DHCP



ICMP



- Internet Control Message Protocol. Confirms other devices on the network.
- Used 2 pcs, 1 switch, 1 sniffer and used the automatically choose connection type feature for cabling.
- First gave each PC a IPv4 address.
- Second went on the sniffer> GUI>edit filters> Misc and unchecked STP traffic filter.
- Third ping one of the pcs, confirmed communication between pcs and checked the ICMP traffic on the sniffer.

SNMP PORT 161/162

- Monitors and configures networking devices
- Used 1 pc, 1 sniffer, 1 switch, 1 router and copper straight-through cable.
- First router>CLI> configured some Ip information, then configured SNMP on the router by typing "SNMP-server community", created a password for read only and then created another password for read-write.
- Second went to the sniffer>GUI>edit filters and cleared the STP traffic
- Third configured the IP address on the pc, then click on the desktop, MIB browser > advanced and configured the SNMP information