Project: Net crafts

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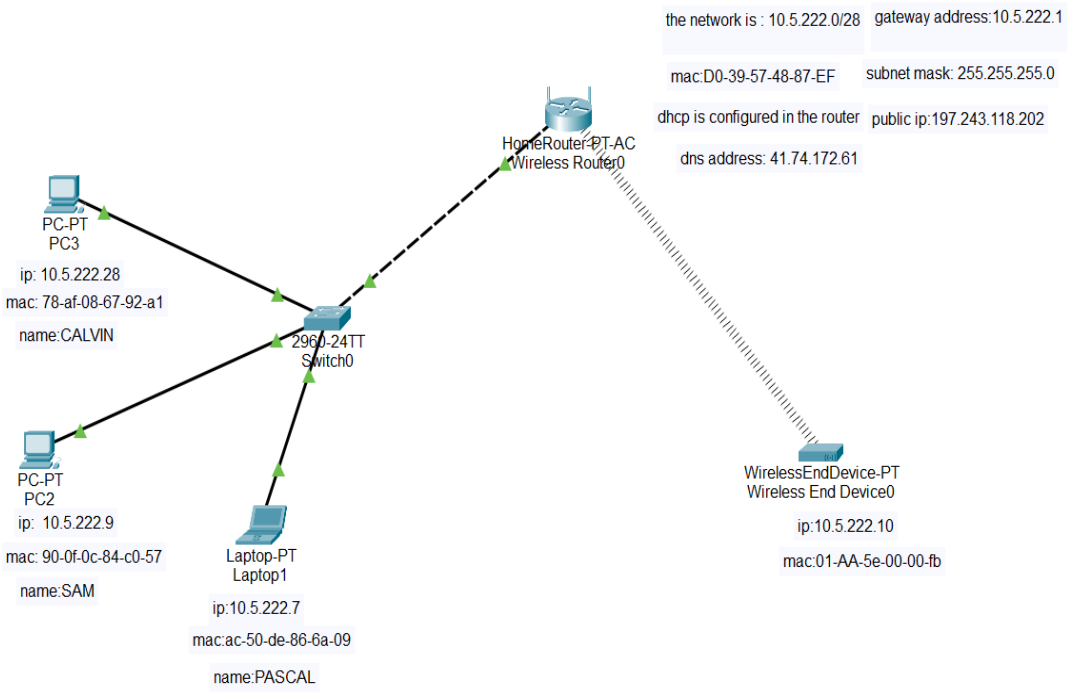
UNIT: RW-CODING-ACADEMY-…II…

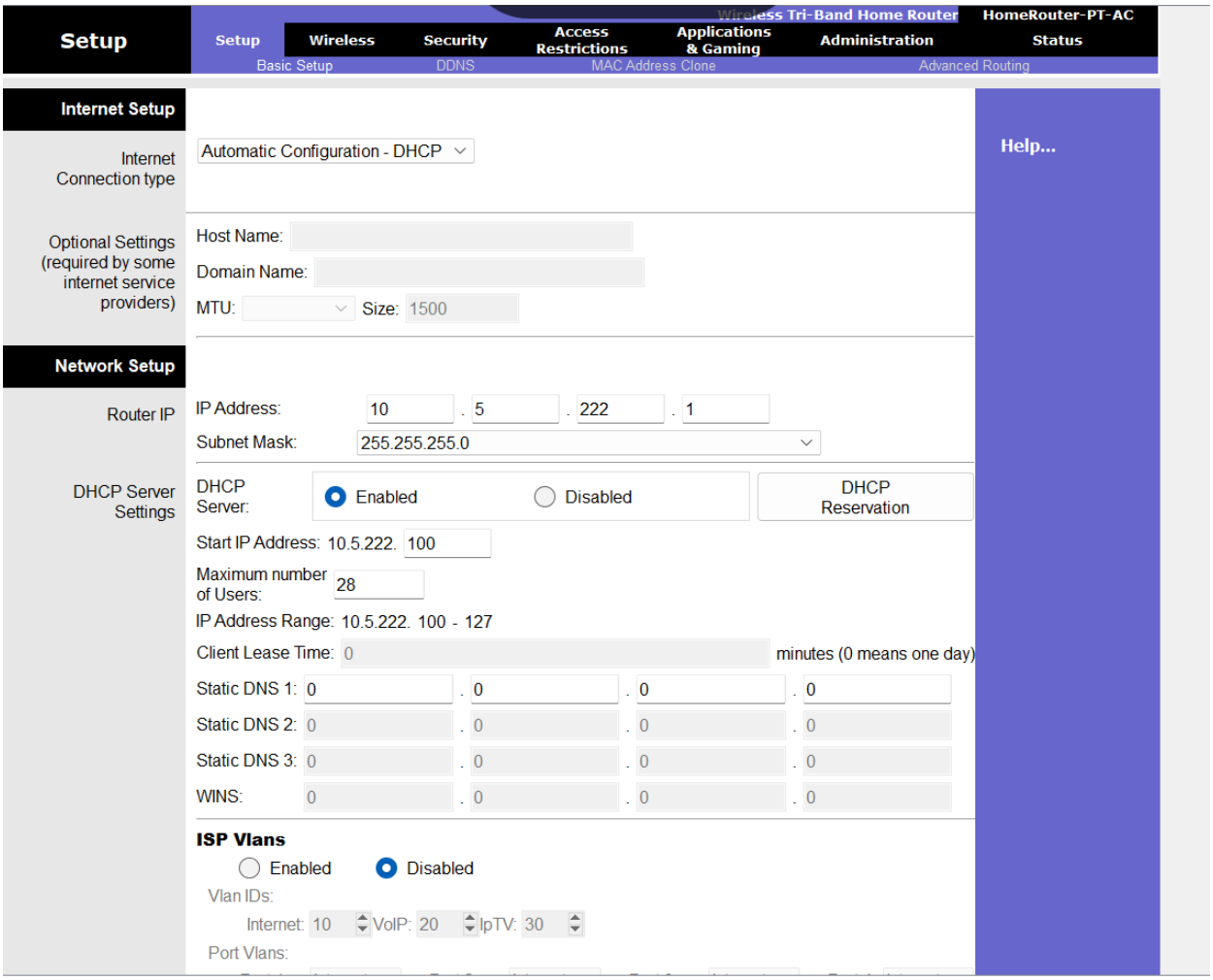
S-code: S……25……

MAP THE NETWORK

The below network diagram depicts my network. The DHCP and DNS configurations are provided in a Wireless router.



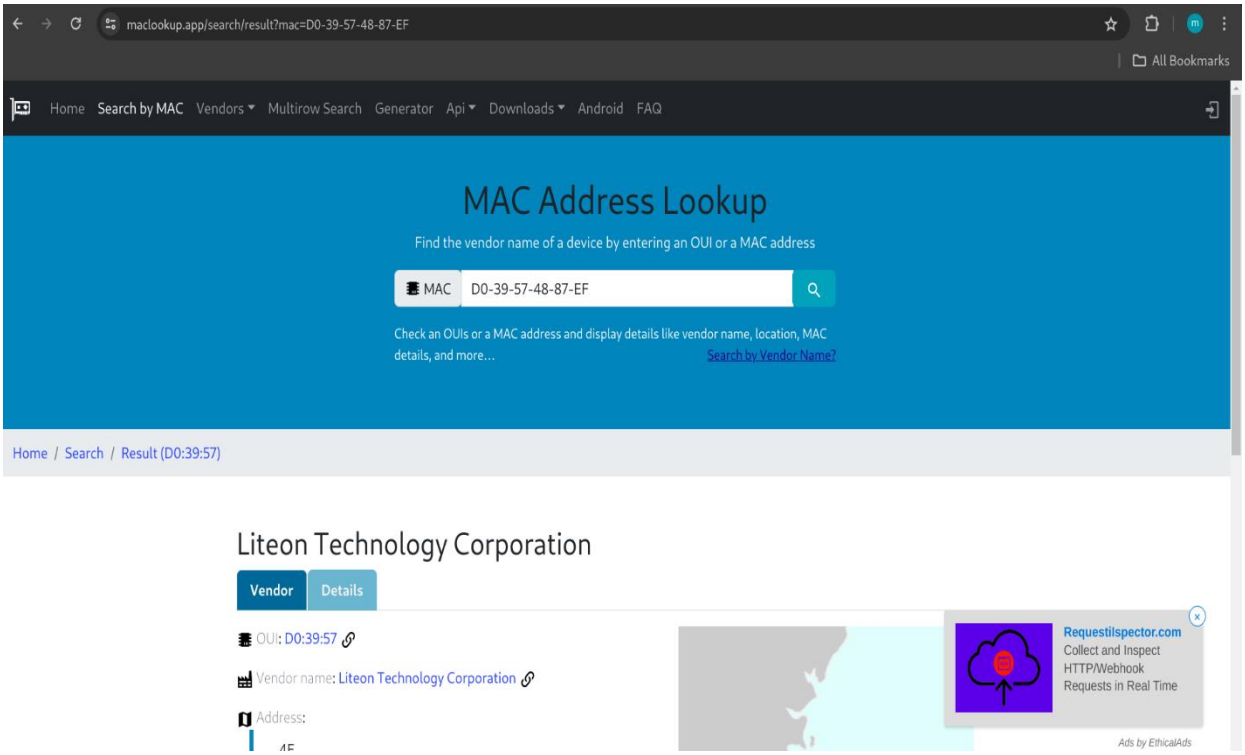
DHCP Configuration



MAC addresses were identified by running:

- arp -a
- ipconfig /all

Getting manufacture based on MAC address:

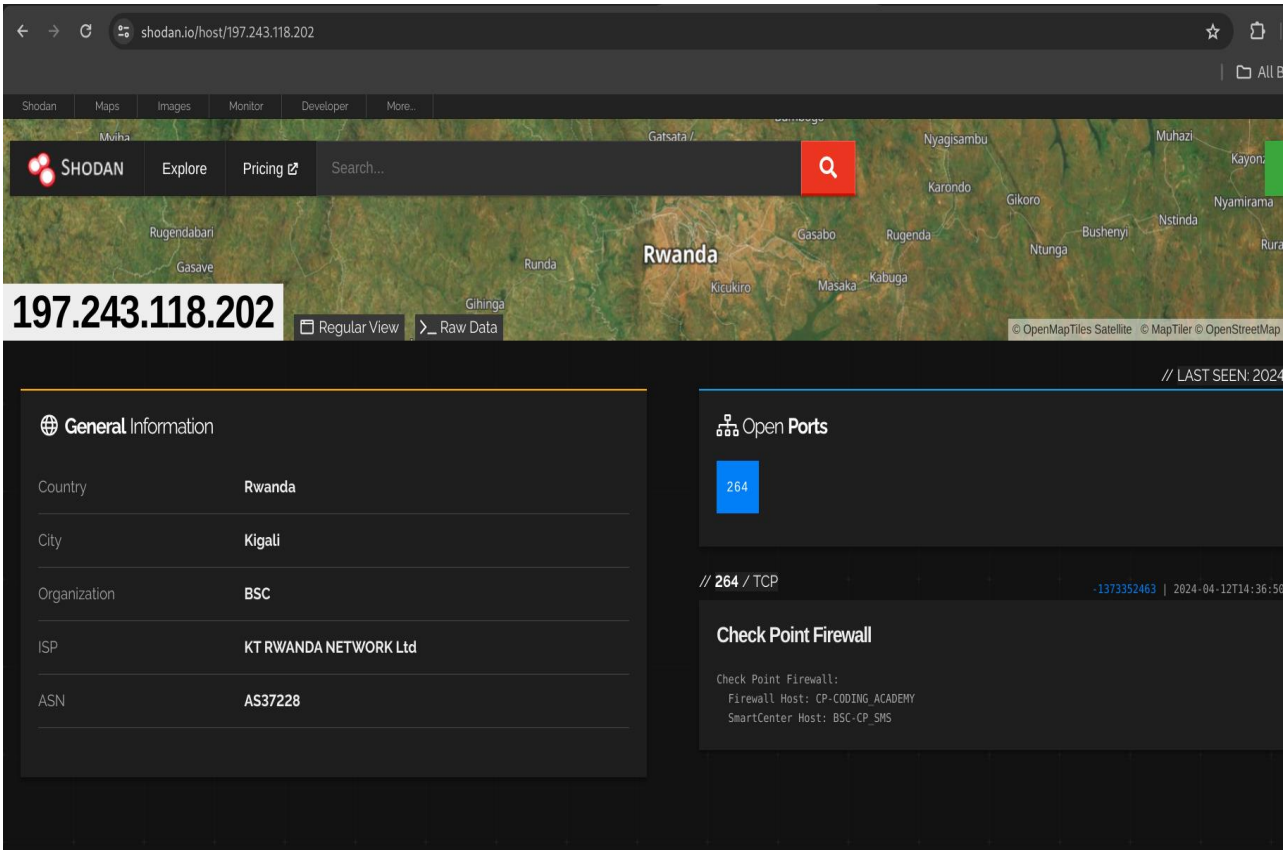


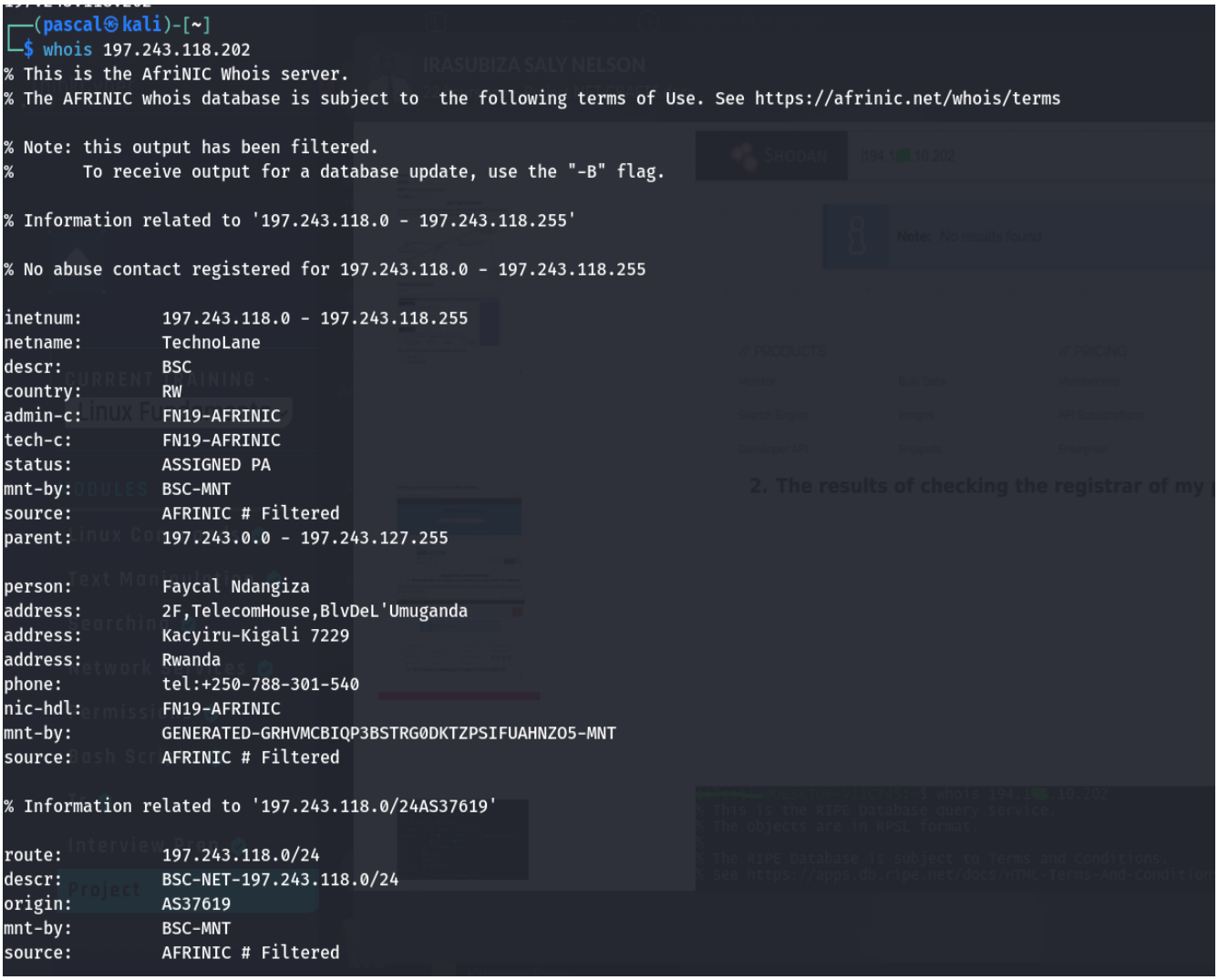
COLLECTING INFORMATION

1. Using Shodan to collect information on my public IP address

The following screenshot indicates the results of searching the devices on my public IP address:

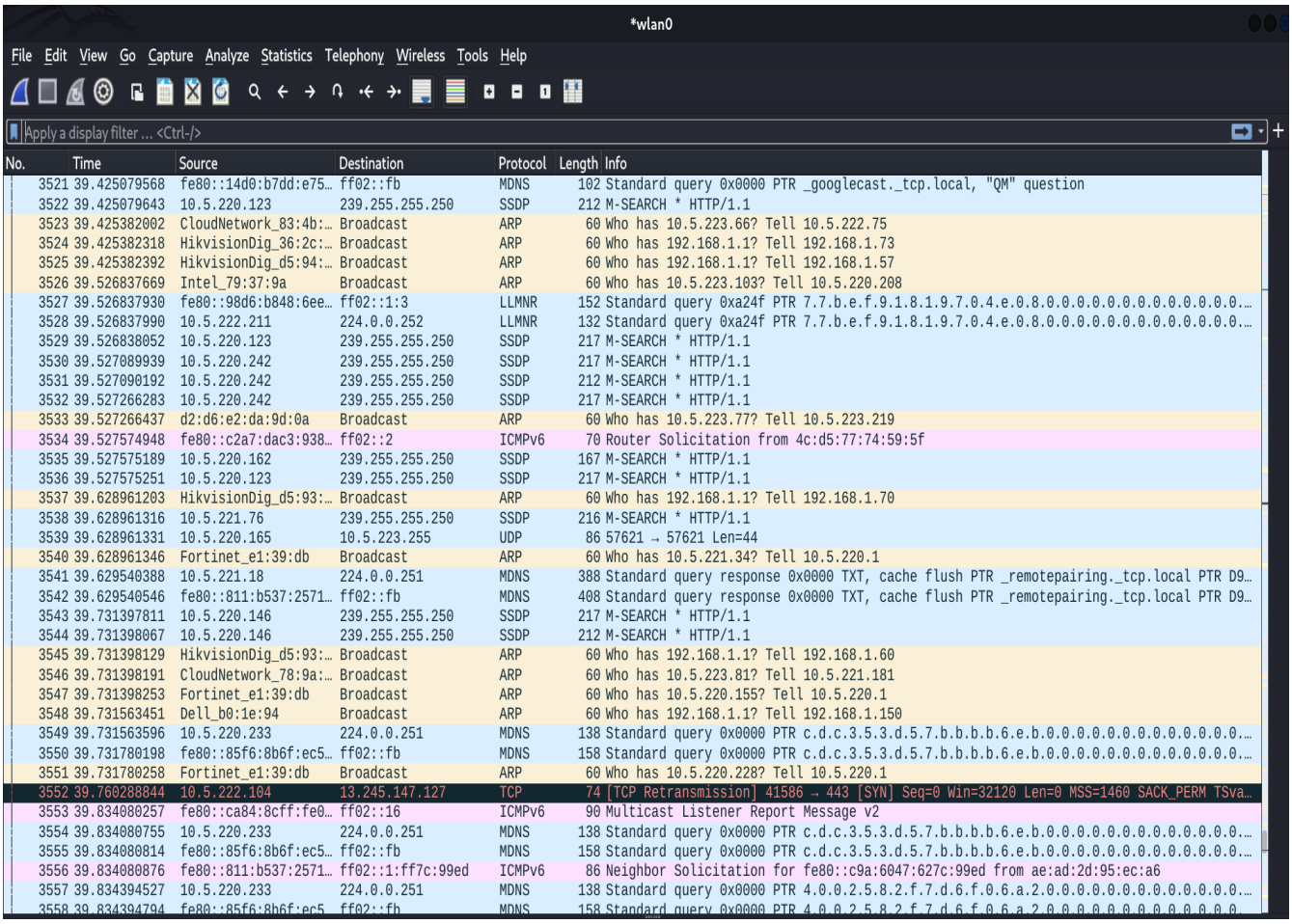
2. **The results of checking the registrar of my public IP**





3. Sniffing network

I sniffed my network by using Wireshark



Protocols in Sniffed packets:

The Simple Service Discovery Protocol (SSDP) is a network protocol designed for advertisement and discovery of network services and presence information. **UDP Port 1900 and TCP Port 5000**

The Multicast Domain Name System (mDNS) protocol is a service discovery and address resolution mechanism specifically designed for local area networks (LANs). **UDP Port 1900**

The Transmission Control Protocol (TCP) is a fundamental communication protocol that forms the backbone of reliable data transfer on the internet