myNetScanR - Documentation

Installation Guide

Step 1: Install Python

Ensure Python is installed on your system. If not, download and install Python from python.org.

Step 2: Install Required Packages

Open your command line or terminal and execute the following commands to install the necessary dependencies:

```
pip install scapy
```

Step 3: If using Windows:

```
Download and install NCAP, a packet capture library for Windows from
https://npcap.com/
```

Usage Guide

Step 1: Clone the Repository

Clone the repository containing your network scanning script:

```
Copy myNetScanR.py file your local machine
```

Step 2: Modify IP Ranges (Optional)

Edit the `ip_ranges` variable in the script (`myNetScanR.py`) to specify the IP ranges you want to scan:

```
In my case, my router is 192.168.100.1 and leases ip ranges up to .254.
```

```
ip_ranges = ["192.168.100.1/24"]
```

Step 3: Run the Script

Execute the Python script to perform network scanning:

```
Sudo python myNetScanR.py
```
or

```
python myNetScanR.py
```
in and Admin windows console.

Step 4: View Scan Results

After running the script, the tool will scan the specified IP range(s), identify devices, perform OS fingerprinting, and list open ports (if detected). The results will be displayed in the terminal or command prompt.

Example Output

Upon successful execution, the output will resemble the following format:

```
Available devices in the network:
IP Address      MAC Address         TTL     OS                      Open Ports
-------------------------------------------------------------------------------
192.168.100.1   00:1A:2B:3C:4D:5E   64      iOS (Apple)             [62078,
62079]
192.168.100.2   0A:1B:2C:3D:4E:5F   128     Windows                 [135, 139,
445]
192.168.100.3   10:11:12:13:14:15   64      Android                 [5555, 8080]
```

Troubleshooting

- **No Devices Found:** Ensure devices are connected to the network and IP ranges are correctly specified.
- **Dependency Issues:** Verify Python and `scapy` are correctly installed and accessible in your environment.
- Some versions of IOS and some android devices do not respond to pings and not easily recognizable.