

1. Installed nmap from chrome and confirms its version on cmd.
2. My local ip range: IPv4 Address. : 192.168.1.9
3. After run of nmap -sS 192.168.1.0/24 it shows Nmap done: 256 IP addresses (5 hosts up) scanned in 242.43 seconds.
4. Ip addresses & open ports:
 - 192.168.1.1 & 53,80
 - 192.168.1.6 & 49152,62078
 - 192.168.1.9 & 135,139,445
5. Installed wireshark from the website
6. After using this command ip.addr == 192.168.1.0 on cmd it shows 'ip.addr' is not recognized as an internal or external command, operable program or batch file.
- 7.

Ports	services
53	domain
80	http
52869	unknown
62078	Iphone sync
135	msrpc
139	Netbios-ssn
445	Microsoft-ds

8. Risks

Service	Port	Risk Level	Summary
Domain (AD/DNS)	53/389/88	Medium	Requires patching, may expose sensitive directory data
HTTP	80	Medium	Unencrypted, vulnerable to MITM, potential web exploits
Unknown	Varies	High	Could be malicious or misconfigured
iPhone Sync	62078	Low-Medium	Usually safe, odd on non-personal devices
MSRPC	135	High	Exploitable for RCE and lateral movement
NetBIOS-SSN	139	High	File sharing exploits, hash sniffing
Microsoft-DS	445	Very High	Frequently exploited by malware (e.g., WannaCry)

9. Saves result on cmd as a text by `nmap -sS 192.168.1.0/24 -oN scan_results.txt` & This command and it shows Nmap done: 256 IP addresses (5 hosts up) scanned in 31.49 seconds