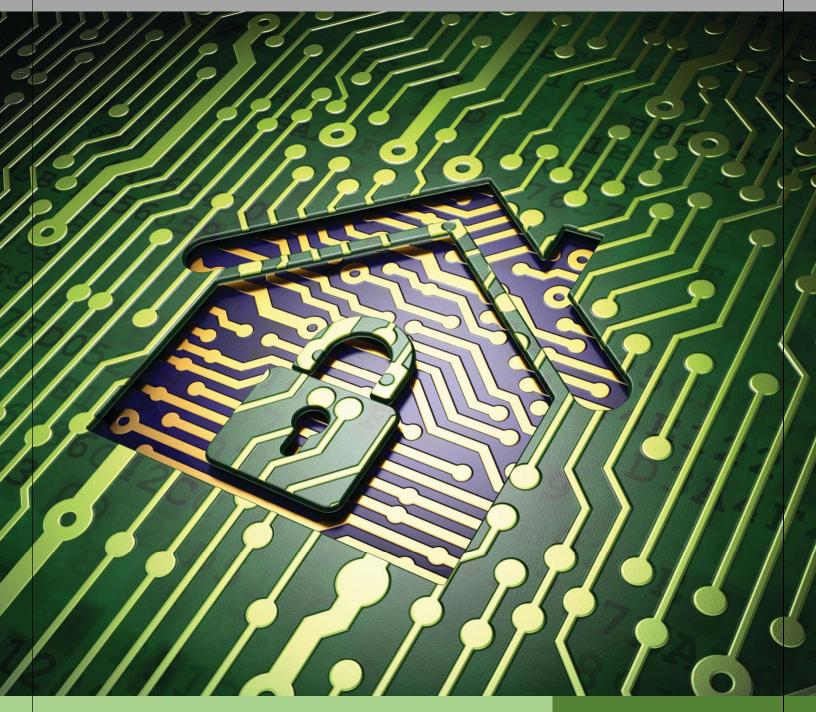
Pentesting



Security Project report

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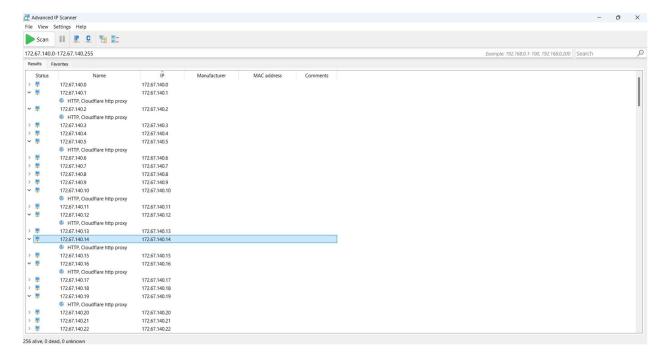
1.Project Overview

Angry IP Scanner offers swift and detailed network scanning capabilities, Nmap's OS detection feature enhances reconnaissance efforts, and FPing efficiently assesses host reachability, collectively serving as essential tools for network management and security.

Advanced IP Scanner

Advanced IP Scanner is a free network scanning tool developed by Famatech. It allows users to scan their local network and retrieve information about connected devices, including their IP addresses, MAC addresses, and network shares. The software also provides additional features such as remote control capabilities, Wake-On-LAN support, and the ability to shut down computers remotely. Advanced IP Scanner is designed to be user-friendly and efficient, making it a popular choice for network administrators and home users alike.

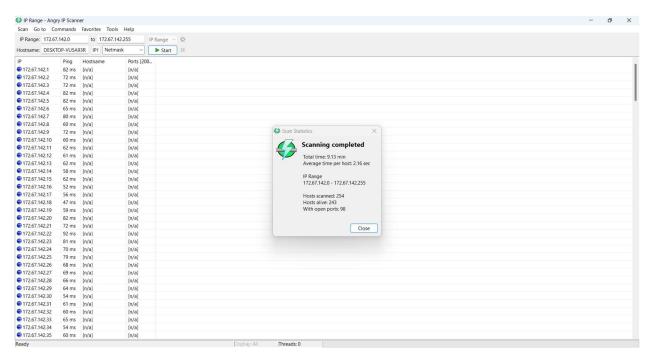
Screenshot:

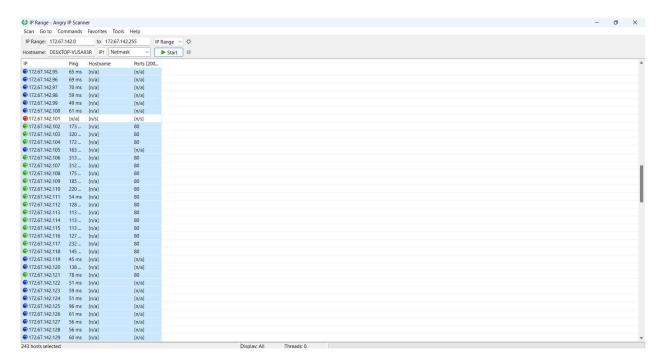


Angry IP Scanner

Angry IP Scanner is a powerful and lightweight network scanner designed to swiftly scan IP addresses and ports on local and remote networks. It provides detailed information about network devices, including hostname, MAC address, and open ports, aiding in network troubleshooting, security assessments, and system administration tasks. Its user-friendly interface and customizable scanning options make it a popular choice for both novice and advanced users.

Screenshot:





Fping:

Fping is a command-line network diagnostic tool used to check the reachability of multiple hosts in an IP network. Unlike traditional ping utilities, which typically only send ICMP echo requests to a single host at a time, FPing sends ICMP echo requests to multiple hosts simultaneously, providing a faster and more efficient way to assess the connectivity status of multiple hosts.

Fping -a -g 104.21.46.0/24

Screenshot:

```
Applications Places
                            Terminal
                                                                 Apr 21 05:05
                                                                                                                        a | = |
                                                            root@kali:/home/miv
  -(mjy⊕ kali)-[~]
_$ sudo su
[sudo] password for mjy:
   -(root®kali)-[/home/mjy]
# fping -a -g 104.21.46.0/24
104.21.46.1
104.21.46.2
104.21.46.3
104.21.46.6
104.21.46.4
104.21.46.5
104.21.46.8
104.21.46.7
104.21.46.9
104.21.46.10
104.21.46.12
104.21.46.11
104.21.46.14
104.21.46.13
104.21.46.16
104.21.46.15
104.21.46.18
104.21.46.17
104.21.46.19
104.21.46.21
104.21.46.20
104.21.46.23
104.21.46.22
104.21.46.24
104.21.46.25
```

OS Detection:

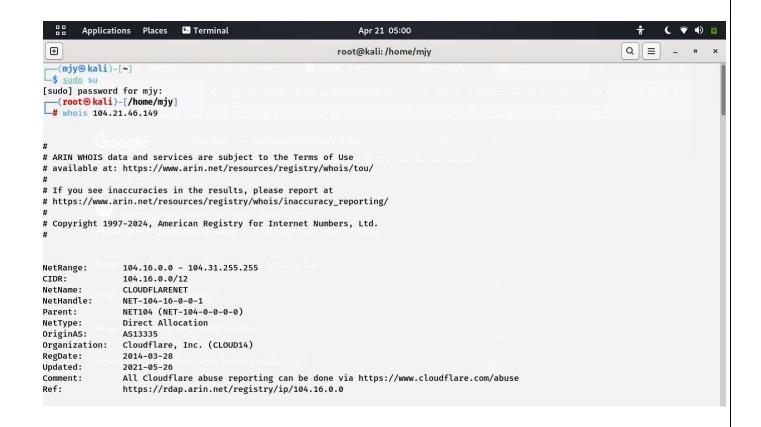
Nmap -nS -o -nN port_scan_results.txt 104.21.45.149

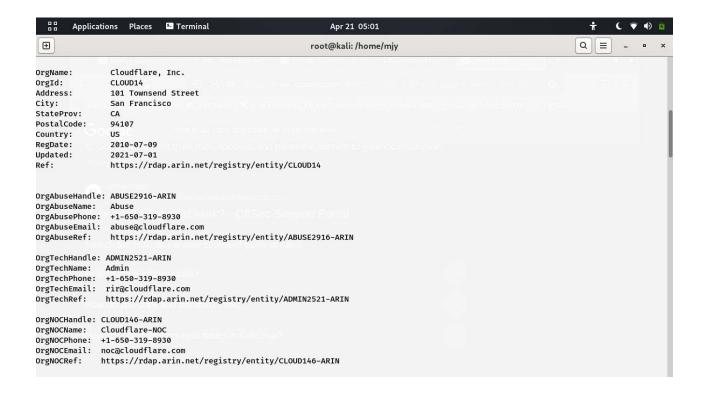
Screenshot:

```
-(root⊛kali)-[/home/mjy]
mmap -sS -O -oN port_scan_results.txt 104.21.46.149
Starting Nmap 7.93 ( https://nmap.org ) at 2024-04-21 05:01 EDT
Nmap scan report for 104.21.46.149
Host is up (0.064s latency).
Not shown: 996 filtered tcp ports (no-response)
PORT
        STATE SERVICE
80/tcp open http
443/tcp open https
8080/tcp open http-proxy
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Aggressive OS guesses: Crestron XPanel control system (92%), ASUS RT-N56U WAP (Linux 3.4) (90%), Linux 3.1 (90%), Linux 3.16 (90%), Linux 3.2 (90%), AXIS 210A or 211 Network Camera (Linux 2.6.17) (89%), HP P2000 G3 NAS device (89%), Linux 4.15 - 5.6 (88%), Linux 5.4 (88
%). Linux 4.10 (88%)
No exact OS matches for host (test conditions non-ideal).
OS detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 12.56 seconds
```

TO Find DNS:

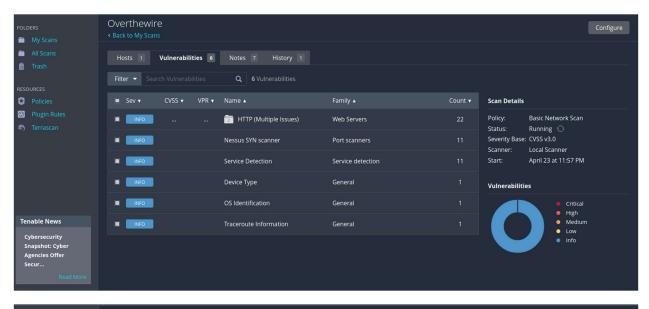
Whois 104.21.46.149

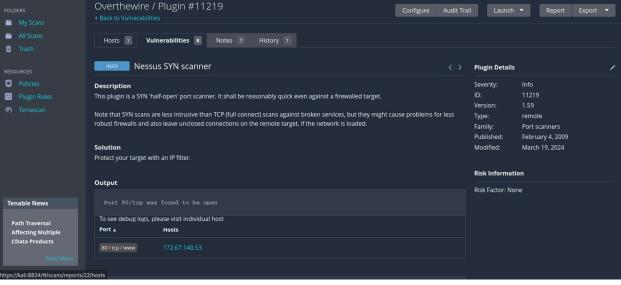




Nessus:

Nessus is a comprehensive vulnerability scanning and assessment tool designed to identify security weaknesses within computer systems, networks, and infrastructure. Developed by Tenable, Nessus is widely recognized for its robust features and extensive database of known vulnerabilities.







Report View:



Overthewire

Report generated by Nessus™

Wed, 24 Apr 2024 00:42:25 EDT

0 0 0 0 11 CRITICAL HIGH MEDIUM LOW INFO

Scan Information

Start time: Tue Apr 23 23:57:02 2024 End time: Wed Apr 24 00:42:24 2024

Host Information

(P: 172.67.140.53 OS: AIX 5.3

Vulnerabilities

11219 - Nessus SYN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/03/19

Plugin Output

172.67.140.53



11219 - Nessus SVN scanner

Synopsis

It is possible to determine which TCP ports are open.

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Risk Factor

None

Plugin Information

Published: 2009/02/04, Modified: 2024/03/19

Plugin Output

tcp/443/www

Port 443/top was found to be open

172.67.340.53