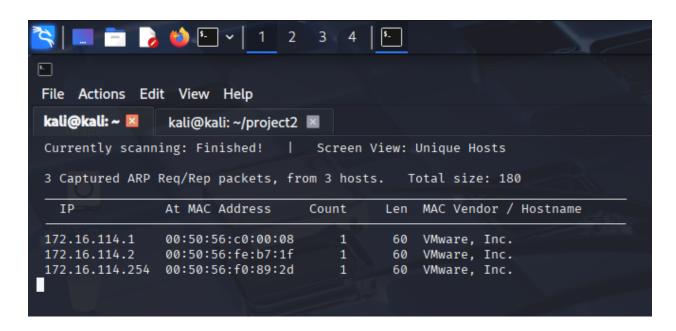
## **Cybersecurity Footprinting and Scanning Lab**

Performed by: Raghunandan Sharma

1. sudo netdiscover -r 172.16.114.0/24



2. nmap -sn 192.168.1.0/24

```
Kali@kali)-[~]
$ nmap -sn 172.16.114.0/24

Starting Nmap 7.95 ( https://nmap.org ) at 2025-07-31 01:54 EDT
Nmap scan report for raghunandan (172.16.114.1)
Host is up (0.00058s latency).
MAC Address: 00:50:56:C0:00:08 (VMware)
Nmap scan report for 172.16.114.2
Host is up (0.0085s latency).
MAC Address: 00:50:56:FE:B7:1F (VMware)
Nmap scan report for 172.16.114.254
Host is up (0.00033s latency).
MAC Address: 00:50:56:F0:89:2D (VMware)
Nmap scan report for 172.16.114.128
Host is up.
Nmap done: 256 IP addresses (4 hosts up) scanned in 2.31 seconds
```

### 3. nmap -sS -sV -O 172.168.114.128

```
Ckali@ kali)-[~]

Starting Nmap -SS -SV 0 172.168.114.128

Starting Nmap 7.95 ( https://mmap.org ) at 2025-07-31 01:57 EDT Nmap scar peror for 172.168.114.128

Host is up (0.019s latency).
Not shown: 907 filtered tcp ports (no-response)

PORT STATE SERVICE VERSION

21/tcp open ftp?

554/tcp open ftp?

554/tcp open stsp?

1723/tcp open ptp?

Warning: OSScar results may be unreliable because we could not find at least 1 open and 1 closed port

Aggressive OS guesses: DD-WRT V24-Sp2 (Linux 2.4.37) (97%), Microsoft Windows XP SP3 or Windows 7 or Windows Server 2012 (97%), Actiontec MI424WR-GEN3I WAP (96%), Linux 3.2 (95%), VMware Player virtu al NAT device (95%), Linux 4.4 (93%), Microsoft Windows XP SP3 or Windows Addressed on Service detection performed. Please report any incorrect results at https://nmap.org/submit/.

Nmap done: 1 IP address (1 host up) scanned in 183.93 seconds
```

## 4. nmap -A 172.168.114.128

```
(Natio Rail) [-]

Starting Nmap 7.95 (https://mmap.org ) at 2025-07-31 02:01 EDT

Nmap scan report for 172.168.114.128

Host is up (0.0052s latency).
Not shown 997 filtered top ports (no-response)

PORT STATE SERVICE VERSION

1723/tsp open 1502

1723/tsp open 1502

1723/tsp open 1502

1723/tsp open 1502

1723/tsp open ptp2

1723/tsp open ptp2
```

# 5. nmap -A 172.168.114.128 -oN scan\_results.txt cat scan\_results.txt

```
CallStall:-[-]

Smapp -A 172.108.114.128 -ON scan results.txt

Starting Map -J 196. https://map.org ) at 2025-07-11 02:07 EDT

Map scan report for 172.108.114.128

Map scan report for 172.108.114.128

DOWN - STATE SERVICE VESION

DOWN - STATE SERVICE MILE VESION

DOWN - STATE SERVICE VESION
```

6. curl ipinfo.io/\$(dig +short testphp.vulnweb.com)

```
(kali® kali)-[~]
$ curl ipinfo.io/$(dig +short testphp.vulnweb.com)
{
   "ip": "44.228.249.3",
   "hostname": "ec2-44-228-249-3.us-west-2.compute.amazonaws.com",
   "city": "Boardman",
   "region": "Oregon",
   "country": "US",
   "loc": "45.8399,-119.7006",
   "org": "AS16509 Amazon.com, Inc.",
   "postal": "97818",
   "timezone": "America/Los_Angeles",
   "readme": "https://ipinfo.io/missingauth"
}
```

## recon-ng marketplace install recon/domains-hosts/hackertarget modules load recon/domains-hosts/hackertarget options set SOURCE example.com

run exit

```
[recon-ng][default] > modules load recon/domains-hosts/hackertarget
[recon-ng][default][hackertarget] > options set SOURCE example.com
SOURCE ⇒ example.com
[recon-ng][default][hackertarget] > run
EXAMPLE.COM
[*] Country: None
[*] Host: example.com
[*] Ip_Address: 96.7.128.198
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
[*] Country: None
[*] Host: www.example.com
[*] Ip_Address: 93.184.215.14
[*] Latitude: None
[*] Longitude: None
[*] Notes: None
[*] Region: None
SUMMARY
[*] 2 total (2 new) hosts found.
[recon-ng][default][hackertarget] >
```

8. theHarvester -d example.com -b bing,linkedin -f harvester report.html



#### 9. amass enum -passive -d example.com

```
-$ amass enum -passive -d example.com
example.com (FQDN) \longrightarrow ns_record \longrightarrow a.iana-servers.net (FQDN) example.com (FQDN) \longrightarrow ns_record \longrightarrow b.iana-servers.net (FQDN)
example.com (FQDN) → a_record → 23.192.228.80 (IPAddress)
example.com (FQDN) → a_record → 23.192.228.84 (IPAddress)
example.com (FQDN) → a_record → 23.215.0.136 (IPAddress)
example.com (FQDN) → a_record → 23.215.0.138 (IPAddress)
example.com (FQDN) → a_record → 96.7.128.175 (IPAddress)
example.com (FQDN) \longrightarrow aaaa_record \longrightarrow 2600:1406:bc00:53::b81e:94c8 (IPAddress) example.com (FQDN) \longrightarrow aaaa_record \longrightarrow 2600:1406:bc00:53::b81e:94ce (IPAddress)
example.com (FQDN) → aaaa_record → 2600:1408:ec00:36::1736:7f24 (IPAddress)
example.com (FQDN) → aaaa_record → 2600:1408:ec00:36::1736:7f31 (IPAddress) example.com (FQDN) → aaaa_record → 2600:1406:3a00:21::173e:2e65 (IPAddress)
example.com (FQDN) → aaaa record → 2600:1406:3a00:21::173e:2e66 (IPAddress)
96.7.128.0/23 (Netblock) → contains → 96.7.128.198 (IPAddress)
96.7.128.0/23 (Netblock) \rightarrow contains \rightarrow 96.7.128.175 (IPAddress) 23.192.228.0/22 (Netblock) \rightarrow contains \rightarrow 23.192.228.80 (IPAddress)
23.192.228.0/22 (Netblock) \rightarrow contains \rightarrow 23.192.228.84 (IPAddress)
23.215.0.0/22 (Netblock) \rightarrow contains \rightarrow 23.215.0.136 (IPAddress) 23.215.0.0/22 (Netblock) \rightarrow contains \rightarrow 23.215.0.138 (IPAddress)
20940 (ASN) → managed_by → AKAMAI-ASN1 (RIROrganization)
20940 (ASN) → announces → 96.7.128.0/23 (Netblock)
20940 (ASN) → announces → 23.192.228.0/22 (Netblock)
20940 (ASN) → announces → 23.215.0.0/22 (Netblock)
^Ca.iana-servers.net (FQDN) \rightarrow a_record \rightarrow 199.43.135.53 (IPAddress)
a.iana-servers.net (FQDN) → aaaa_record → 2001:500:8f::53 (IPAddress)
b.iana-servers.net (FQDN) → a_record → 199.43.133.53 (IPAddress)
b.iana-servers.net (FQDN) → aaaa_record → 2001:500:8d::53 (IPAddress)
```