

# Assignment - 2

## Nmap

### Target Specification

#### 1. nmap 192.168.43.211

- Scan a single IP

```
$ nmap 192.168.43.211
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:32 IST
Nmap scan report for 192.168.43.211
Host is up (0.012s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap done: 1 IP address (1 host up) scanned in 0.86 seconds
```

#### 2. nmap 192.168.43.211 192.168.43.17

- Scan specific Ips

```
$ nmap 192.168.43.211 192.168.43.17
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:34 IST
Nmap scan report for 192.168.43.211
Host is up (0.015s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.17
Host is up (0.013s latency).
All 1000 scanned ports on 192.168.43.17 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap done: 2 IP addresses (2 hosts up) scanned in 1.61 seconds
```

### 3. nmap 192.168.43.211 192.168.43.1-254

- Scan a range

```
$ nmap 192.168.43.211 192.168.43.1-254
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:37 IST
Nmap scan report for 192.168.43.211
Host is up (0.020s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.17
Host is up (0.019s latency).
All 1000 scanned ports on 192.168.43.17 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.62
Host is up (0.00047s latency).
All 1000 scanned ports on 192.168.43.62 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.103
Host is up (0.013s latency).
Not shown: 999 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap scan report for 192.168.43.211
Host is up (0.019s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap done: 255 IP addresses (5 hosts up) scanned in 4.36 seconds
```

#### 4. nmap google.com

- Scan a domain

```
$ nmap google.com
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:38 IST
Nmap scan report for google.com (142.251.42.78)
Host is up (0.053s latency).
Other addresses for google.com (not scanned): 2404:6800:4009:80c::200e
rDNS record for 142.251.42.78: bom12s21-in-f14.1e100.net
Not shown: 998 filtered tcp ports (no-response)
PORT      STATE SERVICE
80/tcp    open  http
443/tcp   open  https

Nmap done: 1 IP address (1 host up) scanned in 6.54 seconds
```

#### 5. nmap 192.168.43.211/24

- Scan using CIDR notation

```
$ nmap 192.168.43.211/24
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:40 IST
Nmap scan report for 192.168.43.3
Host is up (0.016s latency).
All 1000 scanned ports on 192.168.43.3 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.17
Host is up (0.017s latency).
All 1000 scanned ports on 192.168.43.17 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.62
Host is up (0.00049s latency).
All 1000 scanned ports on 192.168.43.62 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.103
Host is up (0.018s latency).
Not shown: 999 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap done: 256 IP addresses (4 hosts up) scanned in 5.68 seconds
```

## 6. nmap -iL targets.txt

- Scan targets from a file

```
$ nmap -iL targets.txt
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:43 IST
Nmap scan report for 192.168.43.211
Host is up (0.012s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.17
Host is up (0.011s latency).
All 1000 scanned ports on 192.168.43.17 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap done: 2 IP addresses (2 hosts up) scanned in 0.61 seconds
```

## 7. nmap -iR 100

- Scan 100 random hosts

```

$ nmap -iR 100
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:45 IST
Nmap scan report for dennis.mprnetwork.com (77.37.71.103)
Host is up (0.22s latency).
Not shown: 996 filtered tcp ports (no-response)
PORT      STATE SERVICE
53/tcp    closed domain
80/tcp    open  http
443/tcp   open  https
3128/tcp  open  squid-http
192.168.43.103
Nmap scan report for 160.89.222.92 (org ) at 2023-02-03 16:00 IST
Host is up (0.81s latency).
Not shown: 996 closed tcp ports (conn-refused)
PORT      STATE SERVICE
25/tcp    filtered smtp
135/tcp   filtered msrpc
139/tcp   filtered netbios-ssn
445/tcp   filtered microsoft-ds
192.168.43.103
Nmap done: 6 IP addresses (1 host up) scanned in 1.55 seconds
Nmap scan report for 129.247.6.189
Host is up (0.19s latency).
Not shown: 996 filtered tcp ports (no-response)
PORT      STATE SERVICE
443/tcp   open  https
2000/tcp  open  cisco-sccp
5060/tcp  open  sip
8010/tcp  open  xmpp
53/tcp    open  domain
192.168.43.103
Nmap scan report for 116.56.9.214 (known)
Host is up (0.21s latency).
Not shown: 987 closed tcp ports (conn-refused)
PORT      STATE SERVICE
25/tcp    filtered smtp
135/tcp   filtered msrpc
139/tcp   filtered netbios-ssn
445/tcp   filtered microsoft-ds
593/tcp   filtered http-rpc-epmap
1010/tcp  filtered surf
1025/tcp  filtered NFS-or-IIS
2100/tcp  filtered amiganetfs
2105/tcp  filtered eklogin
3325/tcp  filtered active-net
4444/tcp  filtered krb524
6129/tcp  filtered unknown
16012/tcp filtered unknown
192.168.43.103/24
Nmap done: 100 IP addresses (4 hosts up) scanned in 805.31 seconds by fail0n

```

**8. nmap 192.168.43.1-254 -exclude 192.168.43.17**

- Exclude listed hosts

```
$ nmap 192.168.43.1-254 -exclude 192.168.43.17
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:46 IST
Nmap scan report for 192.168.43.3
Host is up (0.021s latency).
All 1000 scanned ports on 192.168.43.3 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.62
Host is up (0.0055s latency).
All 1000 scanned ports on 192.168.43.62 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap scan report for 192.168.43.103
Host is up (0.0082s latency).
Not shown: 999 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap scan report for 192.168.43.211
Host is up (0.023s latency).
All 1000 scanned ports on 192.168.43.211 are in ignored states.
Not shown: 1000 closed tcp ports (conn-refused)

Nmap done: 253 IP addresses (4 hosts up) scanned in 3.04 seconds
```

## Scan Techniques

### 1. nmap 192.21.1.51 -sS

- TCP SYN port scan (Default)

```
# nmap 172.21.1.51 -sS
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 14:58 IST
Nmap scan report for 172.21.1.51
Host is up (0.0070s latency).
Not shown: 998 closed tcp ports (reset)
PORT      STATE      SERVICE
21/tcp    filtered  ftp
111/tcp   open       rpcbind

Nmap done: 1 IP address (1 host up) scanned in 1.39 seconds
```

### 2. nmap 192.21.1.51 -sT

- TCP connect port scan (Default without root privilege)

```
(root@kali)-[~]
# nmap 172.21.1.51 -sT
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 15:00 IST
Nmap scan report for 172.21.1.51
Host is up (0.0076s latency).
Not shown: 998 closed tcp ports (conn-refused)
PORT      STATE      SERVICE
21/tcp    filtered  ftp
111/tcp   open       rpcbind

Nmap done: 1 IP address (1 host up) scanned in 1.31 seconds
```

### 3. nmap 192.21.1.51 -sU

- UDP port scan

```
(root@kali)-[~]  
# nmap 172.21.1.51 -sU  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 15:01 IST  
Stats: 0:00:23 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 3.64% done; ETC: 15:11 (0:10:09 remaining)  
Stats: 0:00:28 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 4.16% done; ETC: 15:13 (0:11:08 remaining)  
Stats: 0:03:30 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 22.18% done; ETC: 15:17 (0:12:17 remaining)  
Stats: 0:06:22 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 39.38% done; ETC: 15:17 (0:09:48 remaining)  
Stats: 0:10:05 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 60.58% done; ETC: 15:18 (0:06:34 remaining)  
Stats: 0:12:40 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 75.71% done; ETC: 15:18 (0:04:04 remaining)  
Stats: 0:16:05 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 95.21% done; ETC: 15:18 (0:00:49 remaining)  
Stats: 0:16:06 elapsed; 0 hosts completed (1 up), 1 undergoing UDP Scan  
UDP Scan Timing: About 95.31% done; ETC: 15:18 (0:00:48 remaining)  
Nmap scan report for 172.21.1.51  
Host is up (0.0042s latency).  
Not shown: 996 closed udp ports (port-unreach)  
PORT      STATE      SERVICE  
111/udp   open       rpcbind  
623/udp   open       asf-rmcp  
631/udp   open|filtered ipp  
5353/udp  open|filtered zeroconf  
  
Nmap done: 1 IP address (1 host up) scanned in 1023.03 seconds
```



#### 4. nmap 192.21.1.51 -sA

- TCP ACK port scan

```
(root@kali)-[~]  
# nmap 172.21.1.51 -sA  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 15:03 IST  
Nmap scan report for 172.21.1.51  
Host is up (0.0039s latency).  
All 1000 scanned ports on 172.21.1.51 are in ignored states.  
Not shown: 1000 filtered tcp ports (no-response)  
  
Nmap done: 1 IP address (1 host up) scanned in 21.20 seconds
```

#### 5. nmap 192.21.1.51 -sW

- TCP Window port scan

```
(root@kali)-[~]  
# nmap 172.21.1.51 -sW  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 15:04 IST  
Nmap scan report for 172.21.1.51  
Host is up (0.017s latency).  
All 1000 scanned ports on 172.21.1.51 are in ignored states.  
Not shown: 1000 filtered tcp ports (no-response)  
  
Nmap done: 1 IP address (1 host up) scanned in 21.23 seconds
```

#### 6. nmap 192.21.1.51 -sM

- TCP Maimon port scan

```
(root@kali)-[~]  
# nmap 172.21.1.51 -sM  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-03-17 15:05 IST  
Nmap scan report for 172.21.1.51  
Host is up (0.0044s latency).  
All 1000 scanned ports on 172.21.1.51 are in ignored states.  
Not shown: 1000 open|filtered tcp ports (no-response)  
  
Nmap done: 1 IP address (1 host up) scanned in 21.21 seconds
```

## Host Discovery

### 1. nmap 192.168.43.100-105 -sL

- No Scan. List targets only

```
(root@kali)-[~]
# nmap 192.168.43.100-105 -sL
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:04 IST
Nmap scan report for 192.168.43.100
Nmap scan report for 192.168.43.101
Nmap scan report for 192.168.43.102
Nmap scan report for 192.168.43.103
Nmap scan report for 192.168.43.104
Nmap scan report for 192.168.43.105
Nmap done: 6 IP addresses (0 hosts up) scanned in 0.06 seconds
```

### 2. nmap 192.168.43.103/24 -sn

- Disable port scanning

```
(root@kali)-[~]
# nmap 192.168.43.103/24 -sn
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:03 IST
setup_target: failed to determine route to 192.168.43.0
setup_target: failed to determine route to 192.168.43.1
setup_target: failed to determine route to 192.168.43.2
setup_target: failed to determine route to 192.168.43.3
setup_target: failed to determine route to 192.168.43.4
setup_target: failed to determine route to 192.168.43.5
setup_target: failed to determine route to 192.168.43.6
setup_target: failed to determine route to 192.168.43.7
setup_target: failed to determine route to 192.168.43.8
setup_target: failed to determine route to 192.168.43.9
setup_target: failed to determine route to 192.168.43.10
setup_target: failed to determine route to 192.168.43.11
setup_target: failed to determine route to 192.168.43.12
setup_target: failed to determine route to 192.168.43.13
setup_target: failed to determine route to 192.168.43.14
setup_target: failed to determine route to 192.168.43.15
setup_target: failed to determine route to 192.168.43.16
setup_target: failed to determine route to 192.168.43.17
setup_target: failed to determine route to 192.168.43.18
setup_target: failed to determine route to 192.168.43.19
setup_target: failed to determine route to 192.168.43.20
setup_target: failed to determine route to 192.168.43.21
setup_target: failed to determine route to 192.168.43.22
setup_target: failed to determine route to 192.168.43.23
setup_target: failed to determine route to 192.168.43.24
setup_target: failed to determine route to 192.168.43.25
setup_target: failed to determine route to 192.168.43.26
setup_target: failed to determine route to 192.168.43.27
setup_target: failed to determine route to 192.168.43.28
setup_target: failed to determine route to 192.168.43.29
setup_target: failed to determine route to 192.168.43.30
setup_target: failed to determine route to 192.168.43.31
setup_target: failed to determine route to 192.168.43.32
setup_target: failed to determine route to 192.168.43.33
setup_target: failed to determine route to 192.168.43.34
setup_target: failed to determine route to 192.168.43.35
setup_target: failed to determine route to 192.168.43.36
setup_target: failed to determine route to 192.168.43.37
setup_target: failed to determine route to 192.168.43.38
```

### 3. nmap 192.168.43.100-105 -Pn

- Disable host discovery. Port scan only

```
(root@kali)-[~]  
# nmap 192.168.43.100-105 -Pn  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:01 IST  
Nmap scan report for 192.168.43.103  
Host is up (0.012s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap done: 6 IP addresses (1 host up) scanned in 1.52 seconds
```

### 4. nmap 192.168.43.100-105 -PS22-25,80

- TCP SYN discovery on port x. Port 80 by default

```
(root@kali)-[~]  
# nmap 192.168.43.100-105 -PS22-25,80  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:01 IST  
Nmap scan report for 192.168.43.103  
Host is up (0.012s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap done: 6 IP addresses (1 host up) scanned in 1.53 seconds
```

## 5. nmap 192.168.43.100-105 -PA22-25,80

- TCP ACK discovery on port x. Port 80 by default

```
(root@kali)-[~]  
# nmap 192.168.43.100-105 -PA22-25,80  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:00 IST  
Nmap scan report for 192.168.43.103  
Host is up (0.0063s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap done: 6 IP addresses (1 host up) scanned in 1.55 seconds
```

## 6. nmap 192.168.43.100-105 -PU53

- UDP discovery on port x. Port 40125 by default

```
(root@kali)-[~]  
# nmap 192.168.43.100-105 -PU53  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:58 IST  
Nmap scan report for 192.168.43.103  
Host is up (0.0066s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap done: 6 IP addresses (1 host up) scanned in 1.43 seconds
```

## 7. nmap 192.168.43.103/24 -PR

- ARP discovery on local network

```
(root@kali)-[~]  
# nmap 192.168.43.103/24 -PR  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:06 IST  
Nmap scan report for 192.168.43.2  
Host is up (0.052s latency).  
All 1000 scanned ports on 192.168.43.2 are in ignored states.  
Not shown: 1000 filtered tcp ports (no-response)  
MAC Address: 9C:30:5B:F2:04:E5 (Hon Hai Precision Ind.)  
  
Nmap scan report for 192.168.43.103  
Host is up (0.0071s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap scan report for 192.168.43.110  
Host is up (0.00036s latency).  
Not shown: 999 filtered tcp ports (no-response)  
PORT      STATE SERVICE  
5357/tcp  open  wsdapi  
MAC Address: D4:25:8B:D7:AD:66 (Intel Corporate)  
  
Nmap scan report for 192.168.43.211  
Host is up (0.011s latency).  
All 1000 scanned ports on 192.168.43.211 are in ignored states.  
Not shown: 1000 closed tcp ports (reset)  
MAC Address: 9C:30:5B:F2:04:E5 (Hon Hai Precision Ind.)  
  
Nmap scan report for 192.168.43.228  
Host is up (0.020s latency).  
All 1000 scanned ports on 192.168.43.228 are in ignored states.  
Not shown: 1000 filtered tcp ports (no-response)  
MAC Address: 48:A4:72:EE:26:72 (Intel Corporate)  
  
Nmap scan report for 192.168.43.62  
Host is up (0.0000050s latency).  
All 1000 scanned ports on 192.168.43.62 are in ignored states.  
Not shown: 1000 closed tcp ports (reset)  
  
Nmap done: 256 IP addresses (6 hosts up) scanned in 15.55 seconds
```

## 8. nmap 192.168.43.103 -n

- Never do DNS resolution

```
(root@kali)-[~]  
# nmap 192.168.43.103 -n  
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 16:05 IST  
Nmap scan report for 192.168.43.103  
Host is up (0.0074s latency).  
Not shown: 999 closed tcp ports (reset)  
PORT      STATE SERVICE  
53/tcp    open  domain  
MAC Address: 52:15:C8:09:F6:ED (Unknown)  
  
Nmap done: 1 IP address (1 host up) scanned in 0.28 seconds
```

## Port Specification:

### 1. nmap 192.168.43.62 -p 21

- Port scan for port 21

```
└─$ nmap 192.168.43.62 -p 21
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:35 IST
Nmap scan report for 192.168.43.62
Host is up (0.0078s latency).

PORT      STATE SERVICE
21/tcp    closed ftp

Nmap done: 1 IP address (1 host up) scanned in 0.13 seconds
```

### 2. nmap 192.168.43.62 -p 80-100

- Port range scan

```
└─$ nmap 192.168.43.62 -p 80-100
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:36 IST
Nmap scan report for 192.168.43.62
Host is up (0.010s latency).

PORT      STATE SERVICE
80/tcp    closed http
81/tcp    closed hosts2-ns
82/tcp    closed xfer
83/tcp    closed mit-ml-dev
84/tcp    closed ctf
85/tcp    closed mit-ml-dev
86/tcp    closed mfcobol
87/tcp    closed priv-term-l
88/tcp    closed kerberos-sec
89/tcp    closed su-mit-tg
90/tcp    closed dnsix
91/tcp    closed mit-dov
92/tcp    closed npp
93/tcp    closed dcp
94/tcp    closed objcall
95/tcp    closed supdup
96/tcp    closed dixie
97/tcp    closed swift-rvf
98/tcp    closed linuxconf
99/tcp    closed metagram
100/tcp   closed newacct

Nmap done: 1 IP address (1 host up) scanned in 0.08 seconds
```

### 3. nmap 192.168.43.62 -p U:45,T:80-100,25

- Port scan multiple TCP and UDP ports

```

nmap 192.168.43.62 -p U:45,T:80-100,25
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:44 IST
WARNING: Your ports include "U:" but you haven't specified UDP scan with -sU.
Nmap scan report for 192.168.43.62
Host is up (0.0083s latency).

PORT      STATE SERVICE
23/tcp    closed telnet
80/tcp    closed http
81/tcp    closed hosts2-ns
82/tcp    closed xfer
83/tcp    closed mit-ml-dev
84/tcp    closed ctf
85/tcp    closed mit-ml-dev
86/tcp    closed mfcobol
87/tcp    closed priv-term-l
88/tcp    closed kerberos-sec
89/tcp    closed su-mit-tg
90/tcp    closed dnsix
91/tcp    closed mit-dov
92/tcp    closed npp
93/tcp    closed dcp
94/tcp    closed objcall
95/tcp    closed supdup
96/tcp    closed dixie
97/tcp    closed swift-rvf
98/tcp    closed linuxconf
99/tcp    closed metagram
100/tcp   closed newacct

```

### 4. nmap 192.168.43.62 -p-

- Port scan all ports

```

Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:49 IST
Nmap scan report for 192.168.43.103
Host is up (0.011s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap done: 1 IP address (1 host up) scanned in 7.04 seconds

```



## 5. nmap 192.168.43.62 -p http,https

- Port scan from service name

```
nmap 192.168.43.62 -p http,https
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:45 IST
Nmap scan report for 192.168.43.62
Host is up (0.0064s latency).

PORT      STATE SERVICE
80/tcp    closed http
443/tcp   closed https
8008/tcp   closed http

Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds
```

## 6. nmap 192.168.43.62 -F

- Fast port scan (100 ports)

```
$ nmap 192.168.43.62 -F
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:46 IST
Nmap scan report for 192.168.43.62
Host is up (0.0099s latency).
All 100 scanned ports on 192.168.43.62 are in ignored states.
Not shown: 100 closed tcp ports (conn-refused)

Nmap done: 1 IP address (1 host up) scanned in 0.10 seconds
```

## 7. nmap 192.168.1.1 --top-ports 2000

- Port scan the top 2000 ports

```
$ nmap 192.168.43.103 --top-port 2000
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:50 IST
Nmap scan report for 192.168.43.103
Host is up (0.016s latency).
Not shown: 1999 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap done: 1 IP address (1 host up) scanned in 0.41 seconds
```

**8. nmap 192.168.43.103 -p-65535**

- Leaving off initial port in range makes the scan start at port 1

```
$ nmap 192.168.43.103 -p-65535
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:51 IST
Nmap scan report for 192.168.43.103
Host is up (0.021s latency).
Not shown: 65534 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap done: 1 IP address (1 host up) scanned in 5.09 seconds
```

**9. nmap 192.168.43.103 -p0-**

- Leaving off end port in range makes the scan go through to port 65535

```
$ nmap 192.168.43.103 -p0-
Starting Nmap 7.93 ( https://nmap.org ) at 2023-02-03 15:49 IST
Nmap scan report for 192.168.43.103
Host is up (0.0053s latency).
Not shown: 65535 closed tcp ports (conn-refused)
PORT      STATE SERVICE
53/tcp    open  domain

Nmap done: 1 IP address (1 host up) scanned in 5.13 seconds
```