LAB02 step01-Window Nmap

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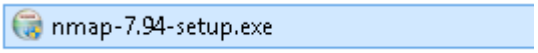
OS	Windows
Web bro	Chrome

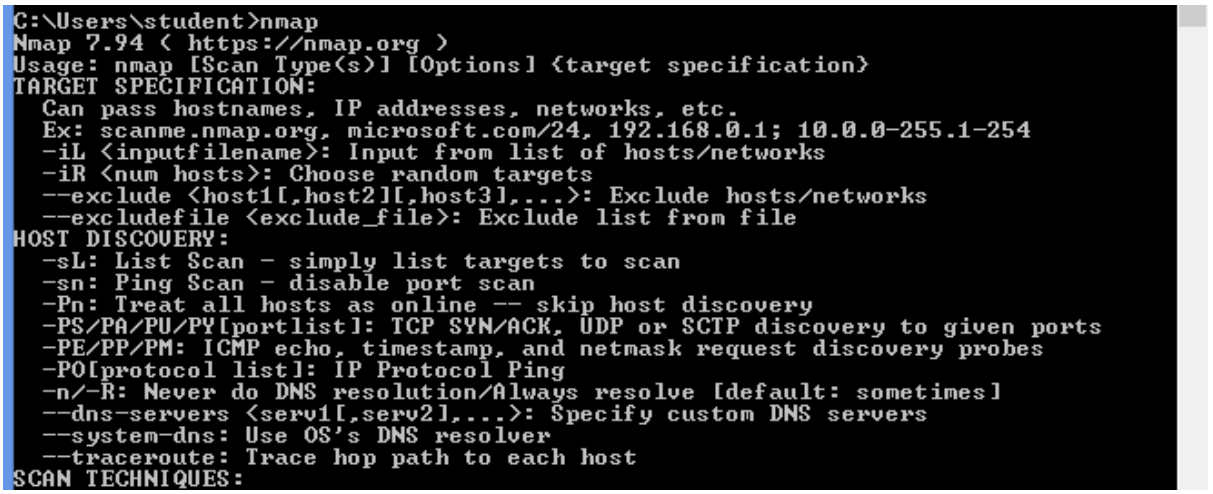
Its illegal to scan outside network

1. Install Windows Nmap

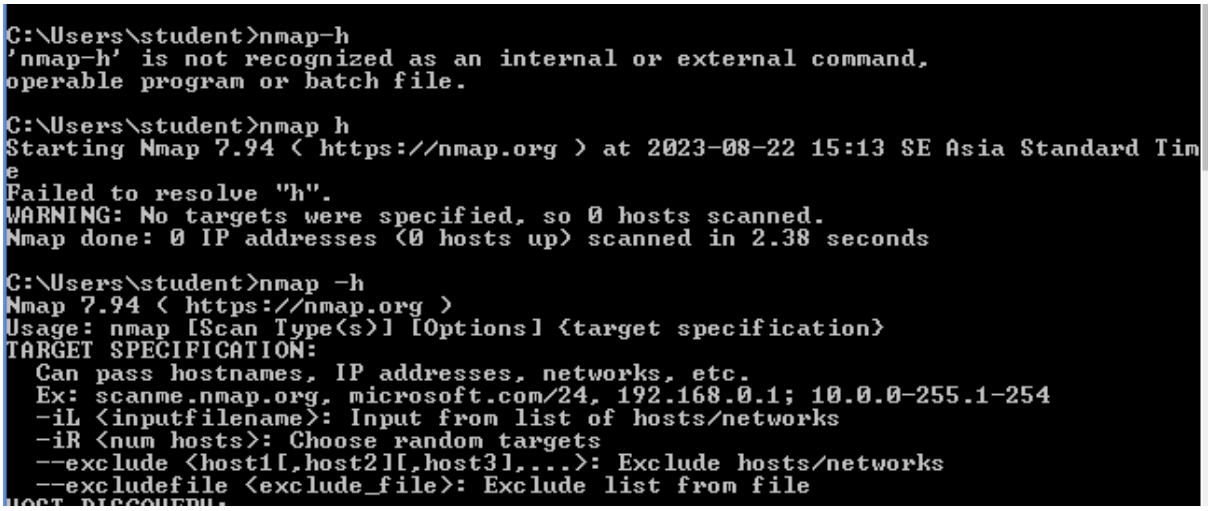


2. Confirm Windows Nmap installation

1 CMD nmap



2 CMD nmap-h



3. Design Nmap scanning pen-test scenario under Windows

	scanner	target
OS	Windows	Windows, Linux
IP address	Test - bed host IP	• Localhost • CTU IP • CICT IP • Neighboring PC IP • VM IP(Ubuntu, Centos)
scanning program	Windows Nmap	
scanning types	-sT: -sS: -sP: -sU: -sF -P-PB -O -PS	

4. Execute Windows Nmap based on upper 3.scenario (screenshot and explain the scanning)

1 nmap –sT CTU, explain the meaning of nmap –sT

```
7741/tcp  open  scriptview
7777/tcp  open  cbt
7778/tcp  open  interwise
7800/tcp  open  asr
7911/tcp  open  unknown
7920/tcp  open  unknown
7921/tcp  open  unknown
7937/tcp  open  nsrexecd
7938/tcp  open  lgtomapper
7999/tcp  open  irdmi2
8000/tcp  open  http-alt
8001/tcp  open  vcom-tunnel
8002/tcp  open  teradataordbms
8007/tcp  open  ajp12
8008/tcp  open  http
8009/tcp  open  ajp13
8010/tcp  open  xmpp
8011/tcp  open  unknown
8021/tcp  open  ftp-proxy
8022/tcp  open  oa-system
8031/tcp  open  unknown
8042/tcp  open  fs-agent
8045/tcp  open  unknown
8080/tcp  open  http-proxy
8081/tcp  open  blackice-icecap
```

2 nmap –sS CTU, explain the meaning of nmap –sSl

```
^C
C:\Users\student>nmap -sS ctu.edu.vn
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-22 15:55 SE Asia Standard Tim
e
Nmap scan report for ctu.edu.vn (172.18.45.2)
Host is up (0.0013s latency).
Other addresses for ctu.edu.vn (not scanned): 172.18.45.6 172.18.27.2 172.18.27.
6 10.16.36.54
rDNS record for 172.18.45.2: CTUAD3.ctu.edu.vn
Not shown: 995 filtered tcp ports (no-response)
PORT     STATE SERVICE
53/tcp   open  domain
80/tcp   open  http
389/tcp  open  ldap
3268/tcp open  globalcatLDAP
3269/tcp open  globalcatLDAPssl

Nmap done: 1 IP address (1 host up) scanned in 5.14 seconds

C:\Users\student>
```

3 nmap – sP CICT, explain the meaning of nmap –sP

```
C:\Users\student>nmap -sP cit.ctu.edu.vn
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-22 15:58 SE Asia Standard Tim
e
Nmap scan report for cit.ctu.edu.vn (10.16.63.194)
Host is up (0.0030s latency).
Nmap done: 1 IP address (1 host up) scanned in 0.06 seconds

C:\Users\student>
```

4 nmap -sU CICT, explain the meaning of nmap –sU

```
C:\Users\student>nmap -sU 172.18.45.6
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-22 16:24 SE Asia Standard Tim
e
Nmap scan report for CTUAD8.ctu.edu.vn (172.18.45.6)
Host is up (0.0028s latency).
Not shown: 998 open|filtered udp ports (no-response)
PORT    STATE SERVICE
53/udp  open  domain
123/udp open  ntp

Nmap done: 1 IP address (1 host up) scanned in 7.03 seconds

C:\Users\student>
```

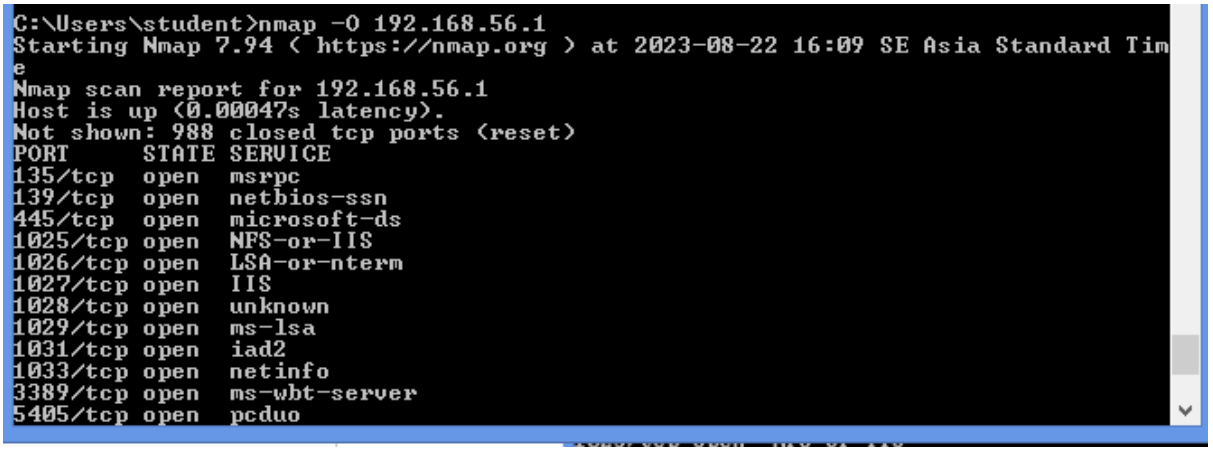
5 nmap -sF VM IP, explain the meaning of nmap –sF

```
C:\Users\student>nmap -sF 192.168.56.1
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-22 16:07 SE Asia Standard Tim
e
Nmap scan report for 192.168.56.1
Host is up (0.00081s latency).
All 1000 scanned ports on 192.168.56.1 are in ignored states.
Not shown: 1000 closed tcp ports (reset)

Nmap done: 1 IP address (1 host up) scanned in 0.19 seconds

C:\Users\student>
```

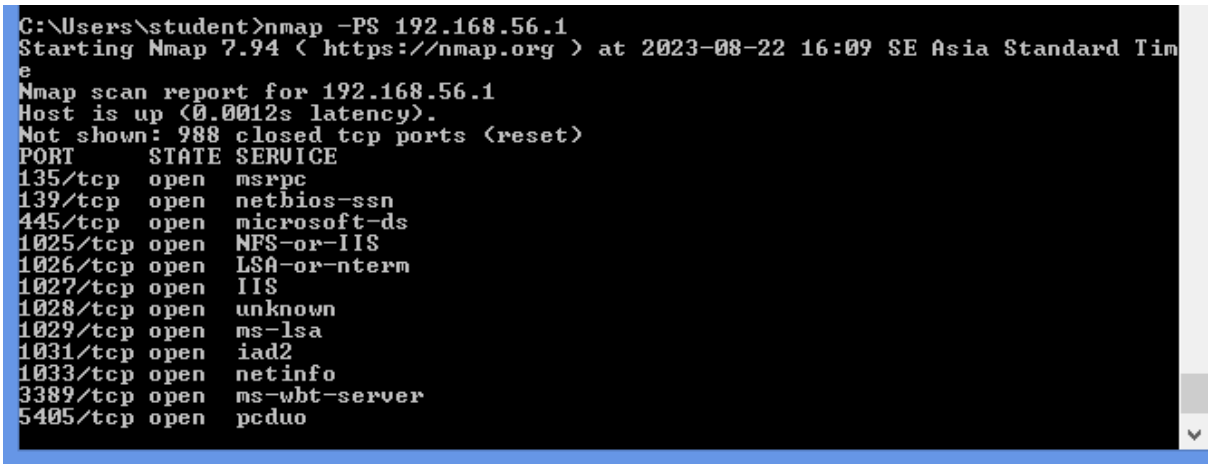
6 nmap -PB VM IP, explain the meaning of nmap –PB

```
C:\Users\student>nmap -PB 192.168.56.1
Starting Nmap 7.94 ( https://nmap.org ) at 2023-08-22 16:08 SE Asia Standard Tim
e
Nmap scan report for 192.168.56.1
Host is up (0.0011s latency).
Not shown: 988 closed tcp ports (reset)
PORT     STATE SERVICE
135/tcp  open  msrpc
139/tcp  open  netbios-ssn
445/tcp  open  microsoft-ds
1025/tcp open  NFS-or-IIS
1026/tcp open  LSA-or-nterm
1027/tcp open  IIS
1028/tcp open  unknown
```

7 nmap -O VM IP IP, explain the meaning of nmap –O



8 nmap -PS VM IP, explain the meaning of nmap –PS



https://nmap.org/download.html
http://www.insecure.org/nmap/