NMAP SCAN

Exp No :7

Date:08-05-2-23

Aim:

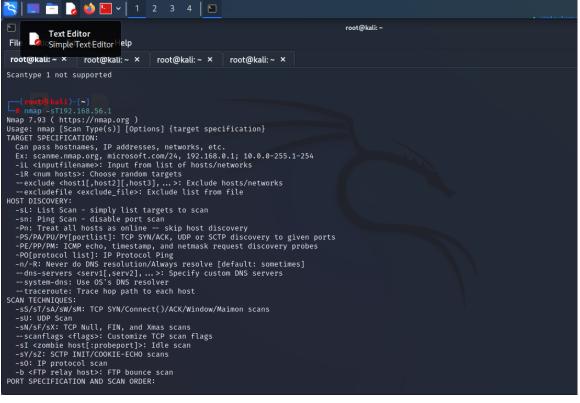
To Perform Nmap Scan Using the Kali Linux.

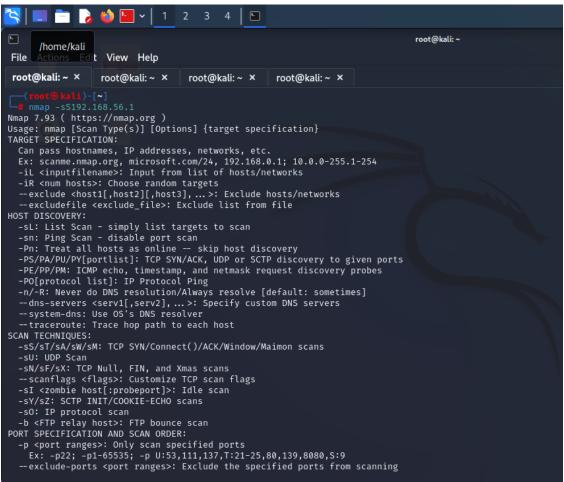
Procedure:

- Perform the Scanning Techniques.
- Scan for the Host Discovery.
- Specify the ports.
- Service and OS Detection.
- Timing and performance.
- Perform all the Nmap Scans.

Output:

Scanning Techniques





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                                                                                                                       root@kali: ~
               Firefox ESR
               Browse the World Wide Web
 root@kali: ~ × root@kali: ~ ×
                                                 root@kali: ~ ×
                                                                             root@kali: ~ ×
139/tcp open netbios-ssn
445/tcp open microsoft-ds
6646/tcp open unknown
Nmap done: 1 IP address (1 host up) scanned in 2.69 seconds
      nmap -sV 192.168.56.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-04 00:57 EDT
Stats: 0:00:01 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 0.50% done
SYN Stealth Scan Timing: About 0.50% done
Stats: 0:00:03 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 64.30% done; ETC: 00:58 (0:00:02 remaining)
Stats: 0:00:10 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 33.33% done; ETC: 00:58 (0:00:12 remaining)
Stats: 0:00:15 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 00:58 (0:00:02 remaining)
Stats: 0:01:03 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 00:59 (0:00:12 remaining)
Service scan Timing: About 83.33% done; ETC: 00:59 (0:00:12 remaining)
Stats: 0:01:08 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 00:59 (0:00:13 remaining)
Stats: 0:02:26 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 01:00 (0:00:28 remaining)
Nmap scan report for 192.168.56.1
Host is up (0.0042s latency).
Not shown: 994 filtered tcp ports (no-response)
           STATE SERVICE
PORT
                                               VERSTON
135/tcp open msrpc
139/tcp open netbios-ssn
                                              Microsoft Windows RPC
                                              Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
902/tcp open ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
912/tcp open vmware-auth
                                               VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
6646/tcp open unknown
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
```

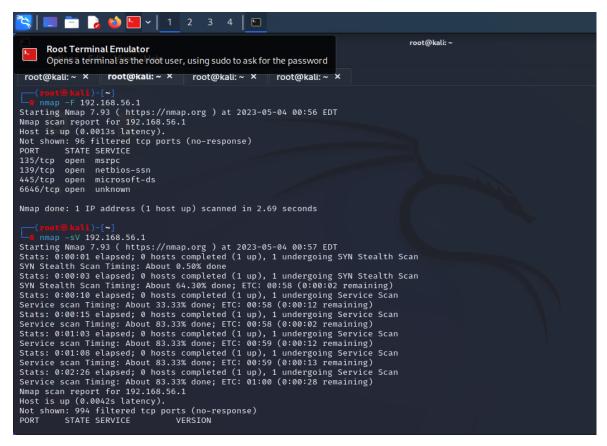
Host Discovery

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 <u>-</u>
                                                                                                                     root@kali: ~
        Firefox ESR
Browse the World Wide Web
 Fil€
  root@kali: ~ × root@kali: ~ × root@kali: ~ ×
     --privileged: Assume that the user is fully privileged
--unprivileged: Assume the user lacks raw socket privileges
    -V: Print version number
-h: Print this help summary page.
 EXAMPLES:
nmap -v -A scanme.nmap.org
nmap -v -sn 192.168.0.0/16 10.0.0.0/8
nmap -v -iR 10000 -Pn -p 80
SEE THE MAN PAGE (https://nmap.org/book/man.html) FOR MORE OPTIONS AND EXAMPLES
 Scantype 1 not supported
(root@ kali)-[~]
    nmap -PR192.168.56.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-04 00:50 EDT
WARNING: No targets were specified, so 0 hosts scanned.
Nmap done: 0 IP addresses (0 hosts up) scanned in 0.04 seconds
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
///tcp open microsoft-d
445/tcp open microsoft-ds
902/tcp open iss-realsecure
912/tcp open apex-mesh
6646/tcp open unknown
 Nmap done: 1 IP address (1 host up) scanned in 4.66 seconds
```

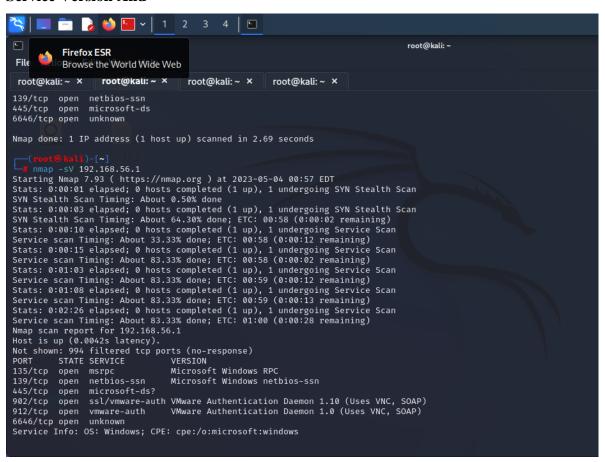
Port Specification

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Text Editor

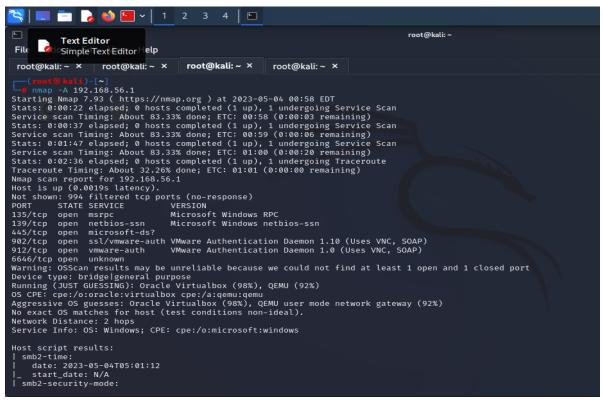
File Text Editor
```



Service Version And



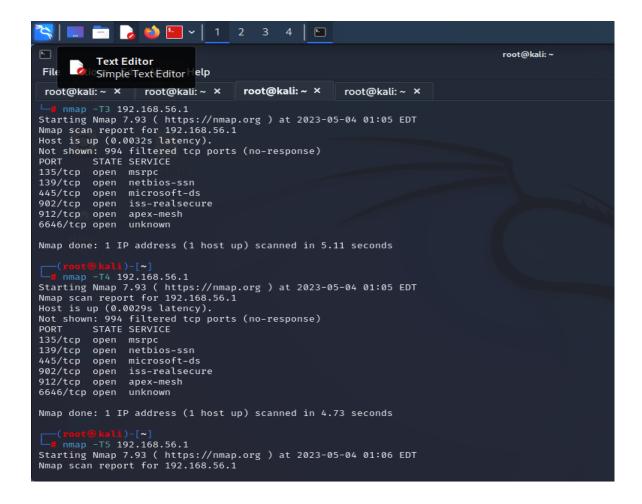
Os Detection



Timing And Performance

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                                                                                                                                                                          root@kali: ~
                     Firefox ESR
                     Browse the World Wide Web
                                                                                                              root@kali: ~ ×
                                      root@kali: ~ ×
                                                                           root@kali: ~ ×
Stats: 0:00:04 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan SYN Stealth Scan Timing: About 51.65% done; ETC: 00:59 (0:00:04 remaining) Stats: 0:00:05 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan SYN Stealth Scan Timing: About 98.55% done; ETC: 00:59 (0:00:00 remaining) Nmap scan report for 192.168.56.1 Host is up (0.0029s latency).

Not shown: 994 filtered tcp ports (no-response) PORT STATE SERVICE 135/tcp open msrpc
PORT STATE SERVICE
135/tcp open msrpc
139/tcp open netbios-ssn
(45/tcp open microsoft-d
445/tcp open microsoft-ds
902/tcp open iss-realsecure
912/tcp open apex-mesh
6646/tcp open unknown
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: bridge|general purpose
Running (JUST GUESSING): Oracle Virtualbox (97%), QEMU (93%)
OS CPE: cpe:/o:oracle:virtualbox cpe:/a:qemu:qemu
Aggressive OS guesses: Oracle Virtualbox (97%), QEMU user mode network gateway (93%)
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 9.55 seconds
        nmap -T0 192.168.56.1
Starting Nmap 7.93 (https://nmap.org) at 2023-05-04 01:00 EDT
Stats: 0:05:00 elapsed; 0 hosts completed (0 up), 1 undergoing Ping Scan
Ping Scan Timing: About 0.00% done
Stats: 0:10:00 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 0.00% done
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                                                                                                                                                                                                               root@kali: ~
                          Text Editor
              Simple Text Editor Help
                                               root@kali: ~ ×
                                                                                           root@kali: ~ × root@kali: ~ ×
    root@kali: ~ X
 Stats: 0:00:01 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan SYN Stealth Scan Timing: About 0.50% done
 Stats: 0:00:03 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth SYN Stealth Scan Timing: About 64.30% done; ETC: 00:58 (0:00:02 remaining) Stats: 0:00:10 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
                                                                                                                                      1 undergoing SYN Stealth Scan
 Service scan Timing: About 33.33% done; ETC: 00:58 (0:00:12 remaining) Stats: 0:00:15 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan Service scan Timing: About 83.33% done; ETC: 00:58 (0:00:02 remaining)
Service scan Timing: About 83.33% done; ETC: 00:58 (0:00:02 remaining)
Stats: 0:01:03 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 00:59 (0:00:12 remaining)
Stats: 0:01:08 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 00:59 (0:00:13 remaining)
Stats: 0:02:26 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 83.33% done; ETC: 01:00 (0:00:28 remaining)
Nmap scan report for 192.168.56.1
Host is up (0.0042s latency).
Not shown: 994 filtered tcp ports (no-response)
PORT STATE SERVICE VERSION
135/tcp open msrpc Microsoft Windows RPC
139/tcp open netbios-ssn Microsoft Windows netbios-ssn
445/tcp open microsoft-ds?
                                       microsoft-ds?
 445/tcp open
                                       ssl/vmware-auth VMware Authentication Daemon 1.10 (Uses VNC, SOAP)
vmware-auth VMware Authentication Daemon 1.0 (Uses VNC, SOAP)
 902/tcp open ssl/vmware-a
912/tcp open vmware-auth
 6646/tcp open
                                       unknown
  Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows
 Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 159.14 seconds
mmap -T1 192.168.56.1
Starting Nmap 7.93 ( https://nmap.org ) at 2023-05-04 01:03 EDT
Stats: 0:00:15 elapsed; 0 hosts completed (0 up), 1 undergoing Ping Scan
Ping Scan Timing: About 0.00% done
```



Result:

Hence the Nmap Scan using the KaliLinux is Performed.