Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

# UFW Demo

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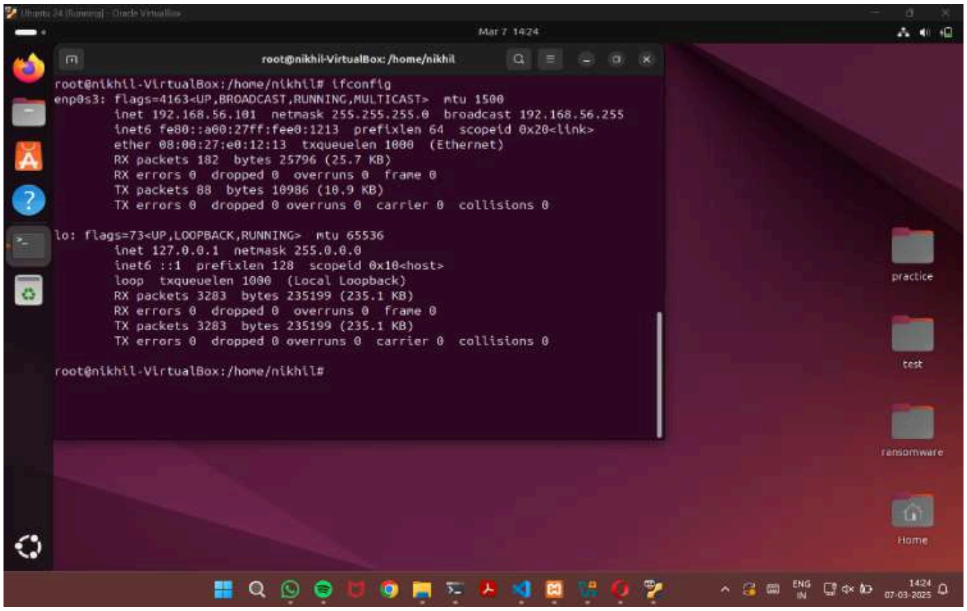
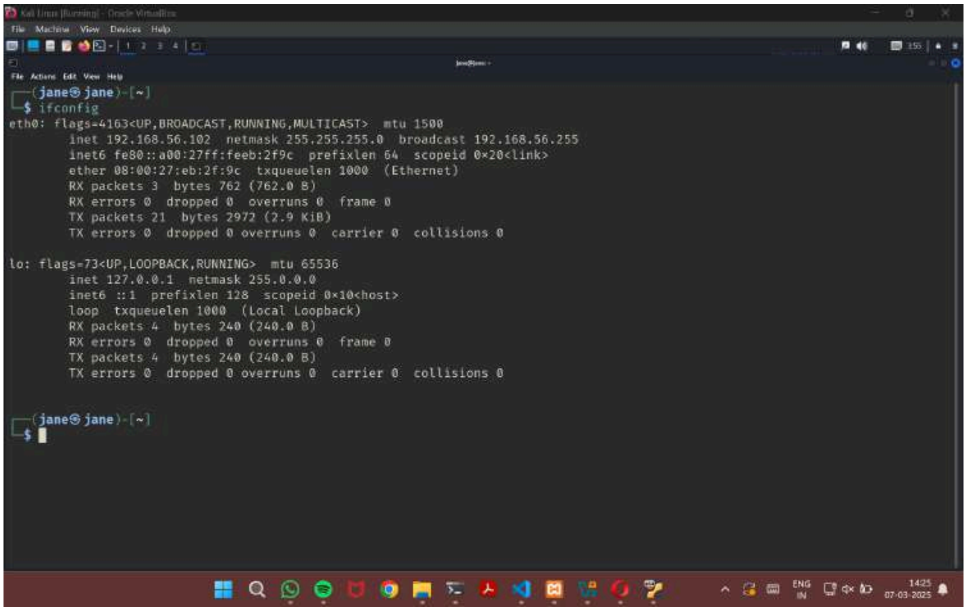
**COURSE TITLE** : Penetration Testing and Vulnerability Analysis Lab
**COURSE CODE**: BCSE319P
**LAB SLOT**: L55+L56
**SEMESTER**: Winter Semester 2024-25
**CLASS NO.**: VL2024250505928

1. IP addresses of the Kali Linux and Ubuntu virtual machines

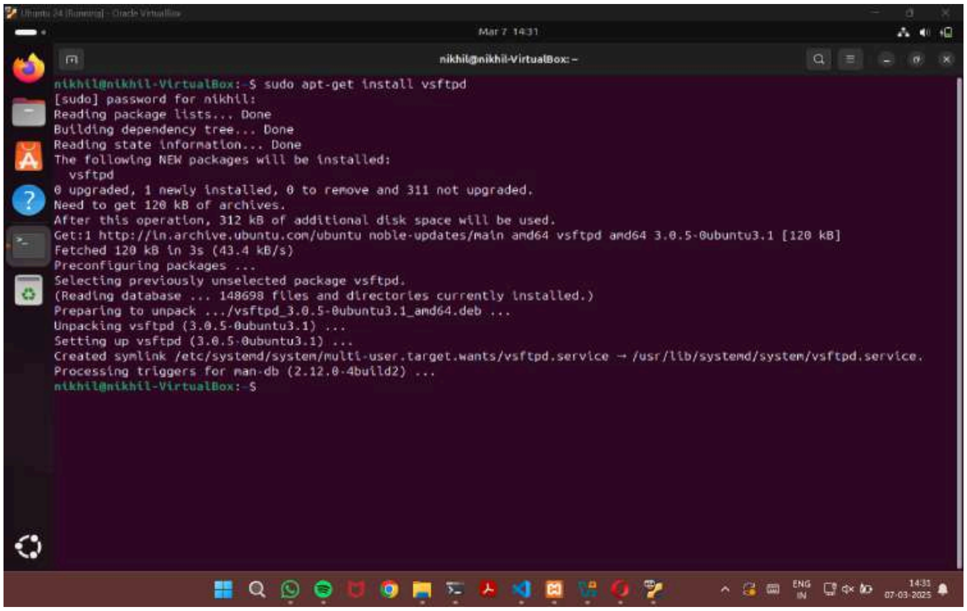

Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 14:24
root@nikhil-VirtualBox: /home/nikhil
practice
test
ransomware
Home
ENG
IN
14:24
07-03-2025

```
root@nikhil-VirtualBox:/home/nikhil# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.56.101  netmask 255.255.255.0  broadcast 192.168.56.255
        inet6 fe80::a00:27ff:fee0:1213  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:e0:12:13  txqueuelen 1000  (Ethernet)
        RX packets 182  bytes 25796 (25.7 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 88  bytes 10986 (10.9 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 3283  bytes 235199 (235.1 KB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 3283  bytes 235199 (235.1 KB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

root@nikhil-VirtualBox:/home/nikhil#
```


Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
ENG
IN
14:25
07-03-2025

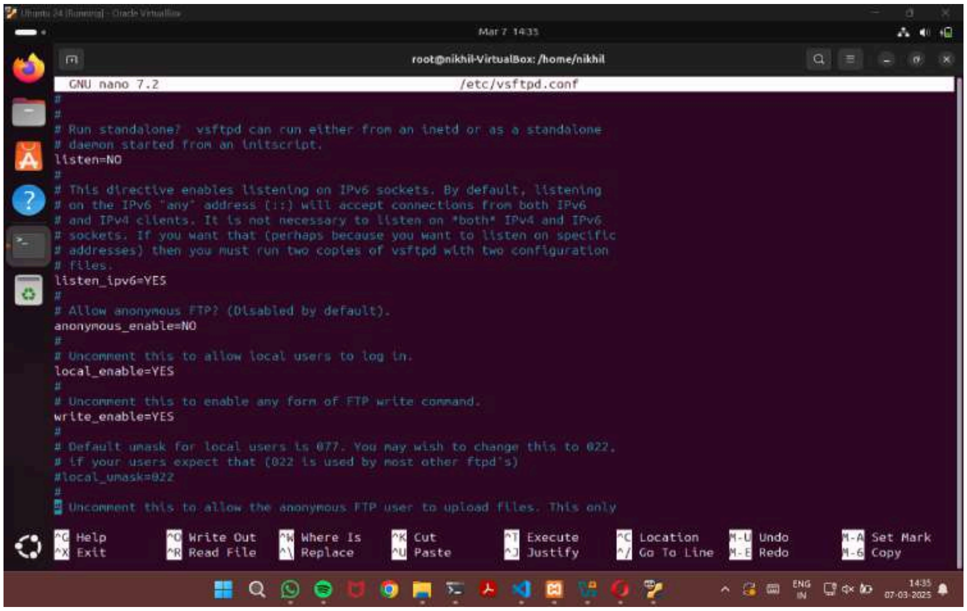
```
┌──(jane㉿jane)-[~]
└─$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.56.102  netmask 255.255.255.0  broadcast 192.168.56.255
        inet6 fe80::a00:27ff:feeb:2f9c  prefixlen 64  scopeid 0x20<link>
        ether 08:00:27:eb:2f:9c  txqueuelen 1000  (Ethernet)
        RX packets 3  bytes 762 (762.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21  bytes 2972 (2.9 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
        loop  txqueuelen 1000  (Local Loopback)
        RX packets 4  bytes 240 (240.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 4  bytes 240 (240.0 B)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0


┌──(jane㉿jane)-[~]
└─$ 
```

## 2. Installing, configuring and starting VSFTPD in Ubuntu

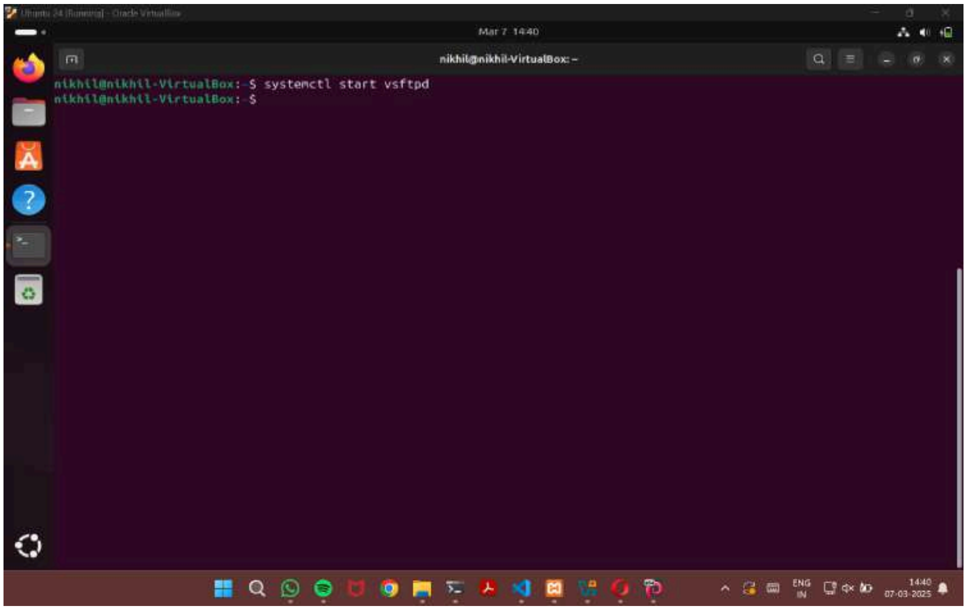


```
nikhil@nikhil-VirtualBox:~$ sudo apt-get install vsftpd
[sudo] password for nikhil:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 311 not upgraded.
Need to get 120 kB of archives.
After this operation, 312 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 vsftpd amd64 3.0.5-0ubuntu3.1 [120 kB]
Fetched 120 kB in 3s (43.4 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 148698 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.5-0ubuntu3.1_amd64.deb ...
Unpacking vsftpd (3.0.5-0ubuntu3.1) ...
Setting up vsftpd (3.0.5-0ubuntu3.1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /usr/lib/systemd/system/vsftpd.service.
Processing triggers for man-db (2.12.0-4build2) ...
nikhil@nikhil-VirtualBox:~$
```

Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 14:31
nikhil@nikhil-VirtualBox: ~
14:31
07-03-2025

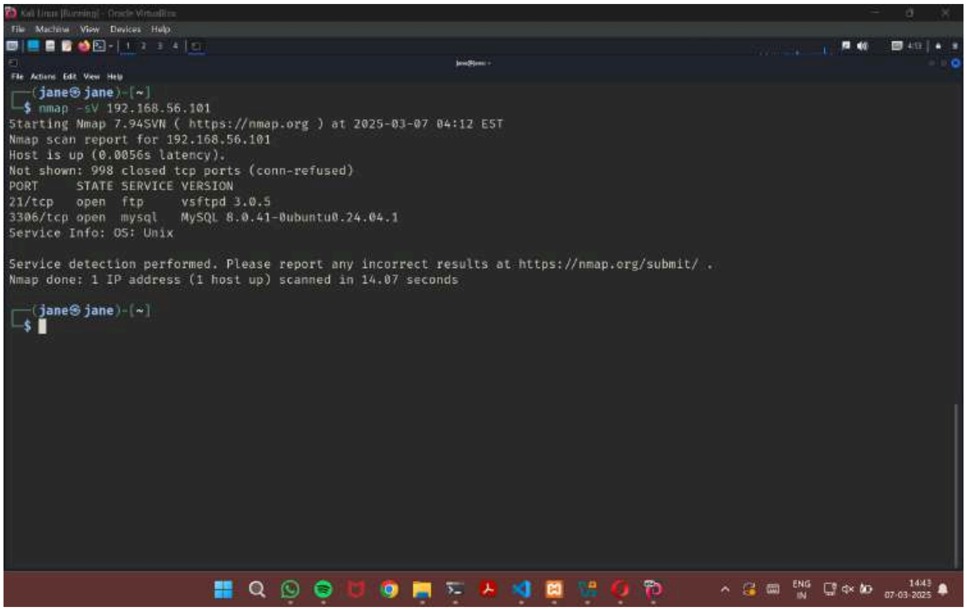


```
  GNU nano 7.2                                /etc/vsftpd.conf
#
#
# Run standalone?  vsftpd can run either from an inetd or as a standalone
# daemon started from an initscript.
listen=NO
#
# This directive enables listening on IPv6 sockets. By default, listening
# on the IPv6 "any" address (::) will accept connections from both IPv6
# and IPv4 clients. It is not necessary to listen on *both* IPv4 and IPv6
# sockets. If you want that (perhaps because you want to listen on specific
# addresses) then you must run two copies of vsftpd with two configuration
# files.
listen_ipv6=YES
#
# Allow anonymous FTP? (Disabled by default).
anonymous_enable=NO
#
# Uncomment this to allow local users to log in.
local_enable=YES
#
# Uncomment this to enable any form of FTP write command.
write_enable=YES
#
# Default umask for local users is 077. You may wish to change this to 022,
# if your users expect that (022 is used by most other ftpd's)
#local_umask=022
#
# Uncomment this to allow the anonymous FTP user to upload files. This only
```


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 14:40
nikhil@nikhil-VirtualBox: ~
ENG IN
14:40
07-03-2025

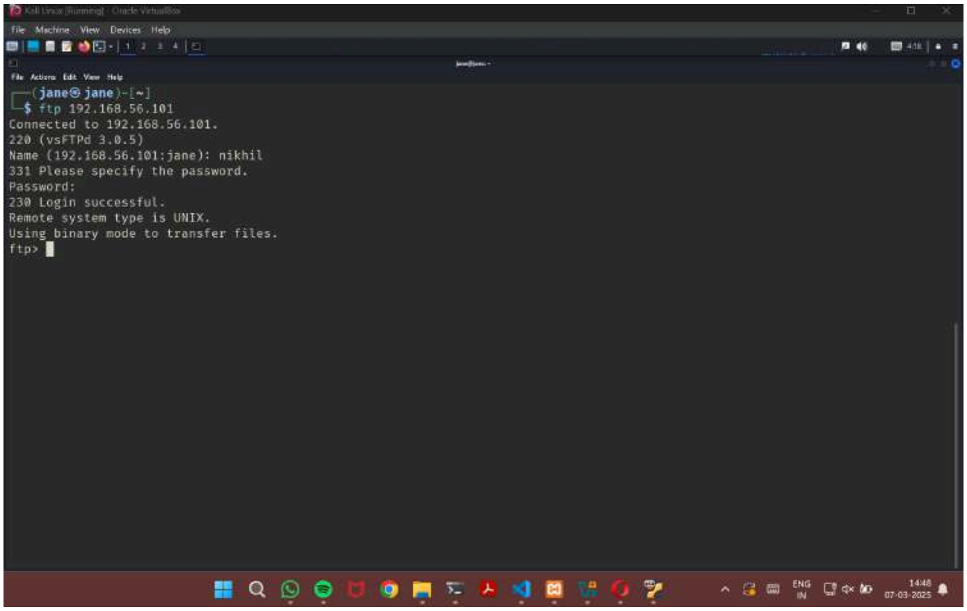
```
nikhil@nikhil-VirtualBox:~$ systemctl start vsftpd
nikhil@nikhil-VirtualBox:~$
```

3. Scanning for port 21 of Ubuntu from Kali Linux


Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
1 2 3 4
jane@jane: ~
File Actions Edit View Help
ENG IN
14:43
07-03-2025

```
┌──(jane㉿jane)-[~]
└─$ nmap -sV 192.168.56.101
Starting Nmap 7.94SVN ( https://nmap.org ) at 2025-03-07 04:12 EST
Nmap scan report for 192.168.56.101
Host is up (0.0056s latency).
Not shown: 998 closed tcp ports (conn-refused)
PORT     STATE SERVICE VERSION
21/tcp   open  ftp     vsftpd 3.0.5
3306/tcp open  mysql   MySQL 8.0.41-0ubuntu0.24.04.1
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 14.07 seconds

┌──(jane㉿jane)-[~]
└─$ 
```

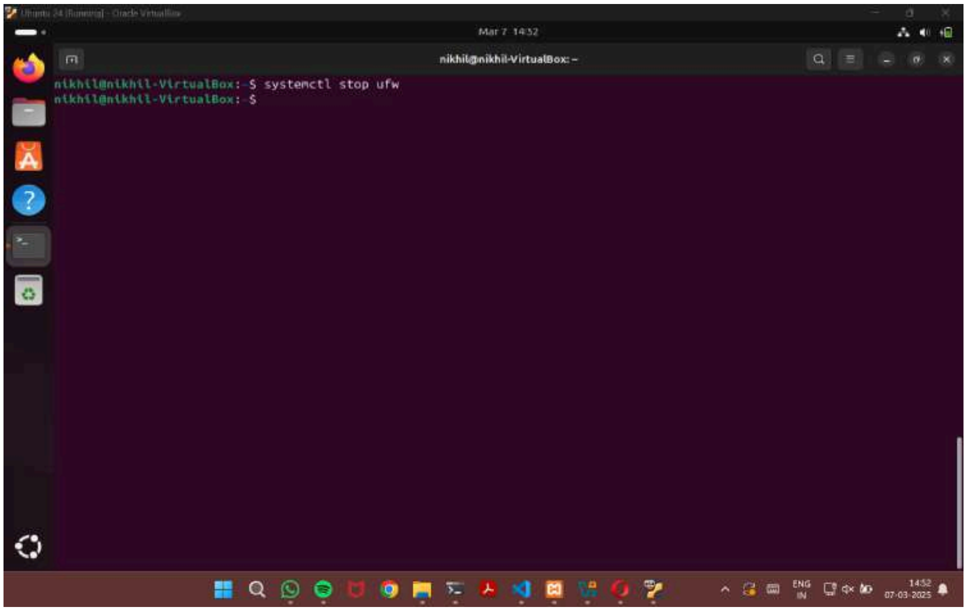
## 4. FTP service from Kali to Ubuntu



```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
Connected to 192.168.56.101.
220 (vsFTPd 3.0.5)
Name (192.168.56.101:jane): nikhil
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> 
```

Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
14:48
07-03-2025

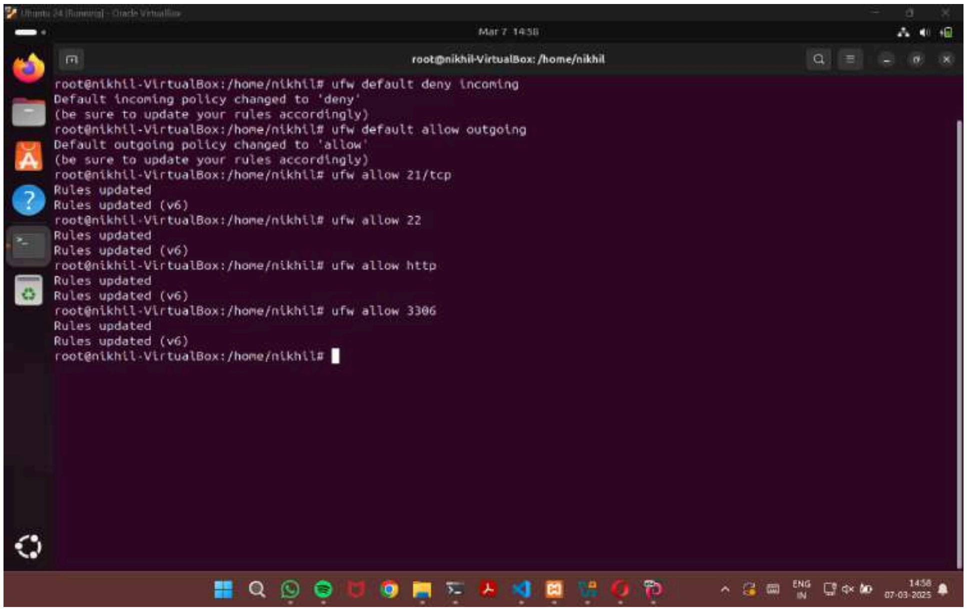
## 5. Disable UFW in Ubuntu



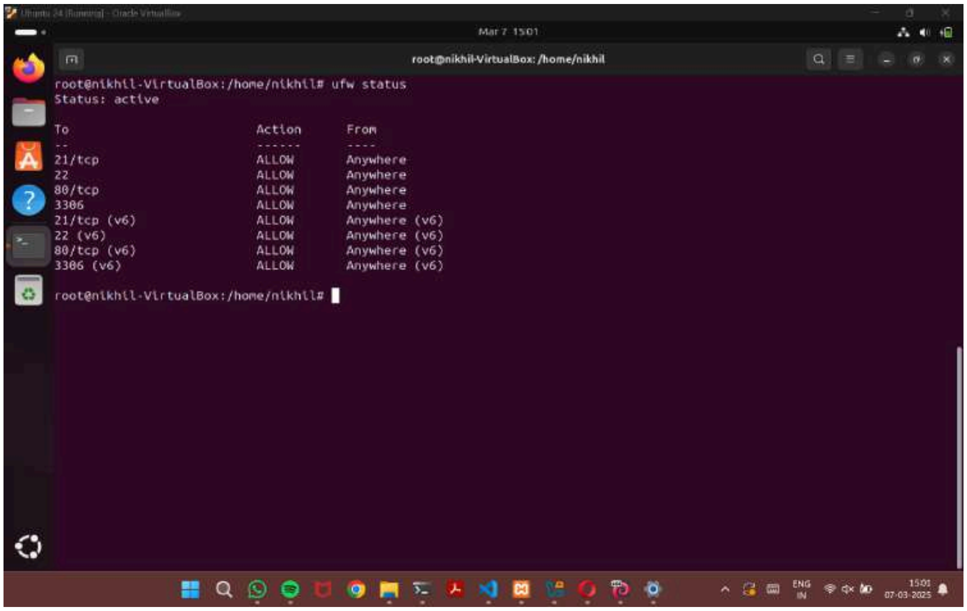
```
nikhil@nikhil-VirtualBox:~$ systemctl stop ufw
nikhil@nikhil-VirtualBox:~$
```

Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 14:52
nikhil@nikhil-VirtualBox: ~
14:52
07-03-2025

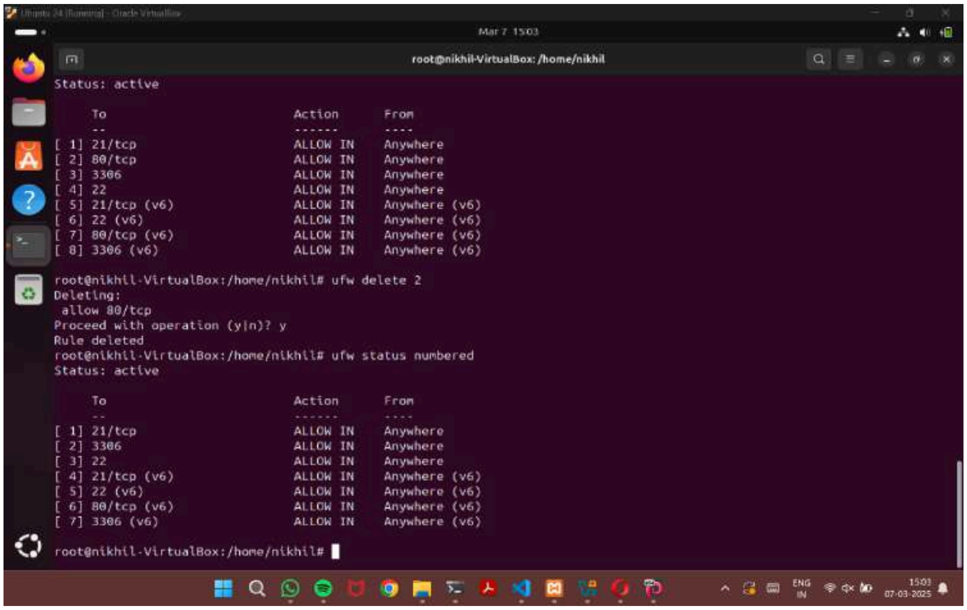
## 6. Updating UFW rules in ubuntu


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 14:58
root@nikhil-VirtualBox: /home/nikhil
ENG
IN
14:58
07-03-2025

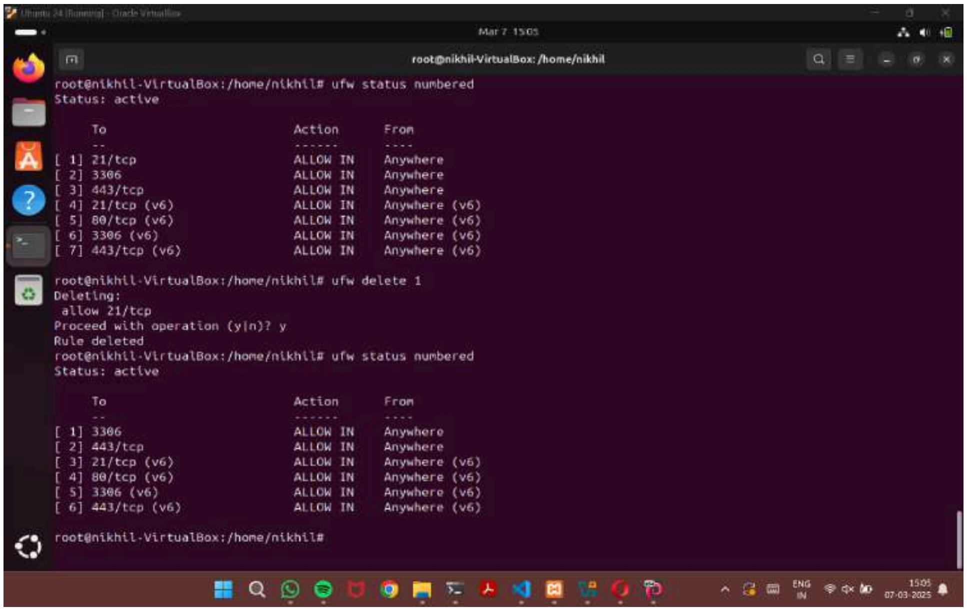
```
root@nikhil-VirtualBox:/home/nikhil# ufw default deny incoming
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
root@nikhil-VirtualBox:/home/nikhil# ufw default allow outgoing
Default outgoing policy changed to 'allow'
(be sure to update your rules accordingly)
root@nikhil-VirtualBox:/home/nikhil# ufw allow 21/tcp
Rules updated
Rules updated (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw allow 22
Rules updated
Rules updated (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw allow http
Rules updated
Rules updated (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw allow 3306
Rules updated
Rules updated (v6)
root@nikhil-VirtualBox:/home/nikhil# 
```


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 15:01
root@nikhil-VirtualBox: /home/nikhil
ENG
IN
15:01
07-03-2025

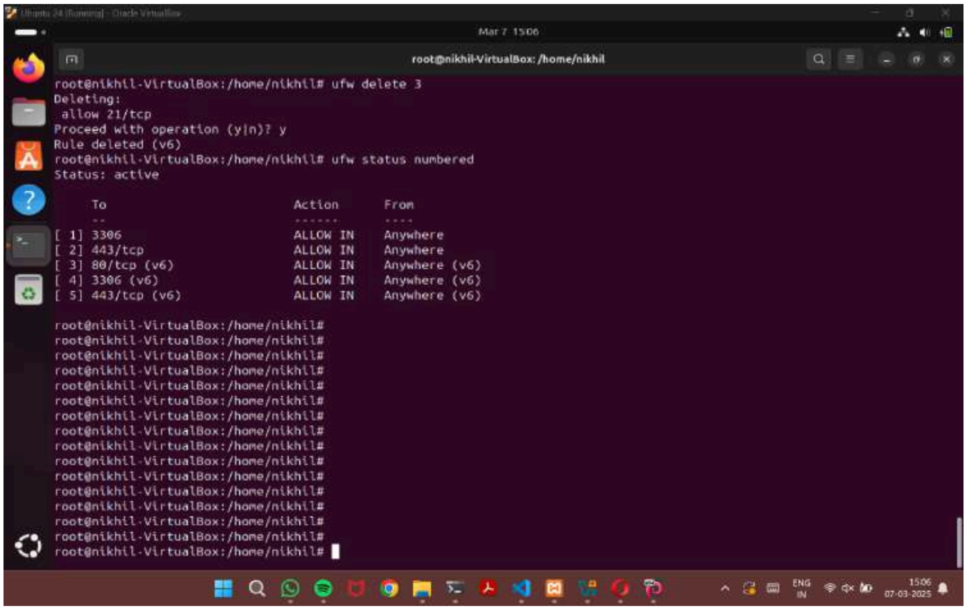
```
root@nikhil-VirtualBox:/home/nikhil# ufw status
Status: active

To                         Action      From
--                         ------      ----
21/tcp                     ALLOW       Anywhere
22                         ALLOW       Anywhere
80/tcp                     ALLOW       Anywhere
3306                       ALLOW       Anywhere
21/tcp (v6)                ALLOW       Anywhere (v6)
22 (v6)                    ALLOW       Anywhere (v6)
80/tcp (v6)                ALLOW       Anywhere (v6)
3306 (v6)                  ALLOW       Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil# 
```



```
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21/tcp                     ALLOW IN    Anywhere
[ 2] 80/tcp                     ALLOW IN    Anywhere
[ 3] 3306                       ALLOW IN    Anywhere
[ 4] 22                         ALLOW IN    Anywhere
[ 5] 21/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 6] 22 (v6)                    ALLOW IN    Anywhere (v6)
[ 7] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 8] 3306 (v6)                  ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil# ufw delete 2
Deleting:
 allow 80/tcp
Proceed with operation (y|n)? y
Rule deleted
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21/tcp                     ALLOW IN    Anywhere
[ 2] 3306                       ALLOW IN    Anywhere
[ 3] 22                         ALLOW IN    Anywhere
[ 4] 21/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 5] 22 (v6)                    ALLOW IN    Anywhere (v6)
[ 6] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 7] 3306 (v6)                  ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil# 
```

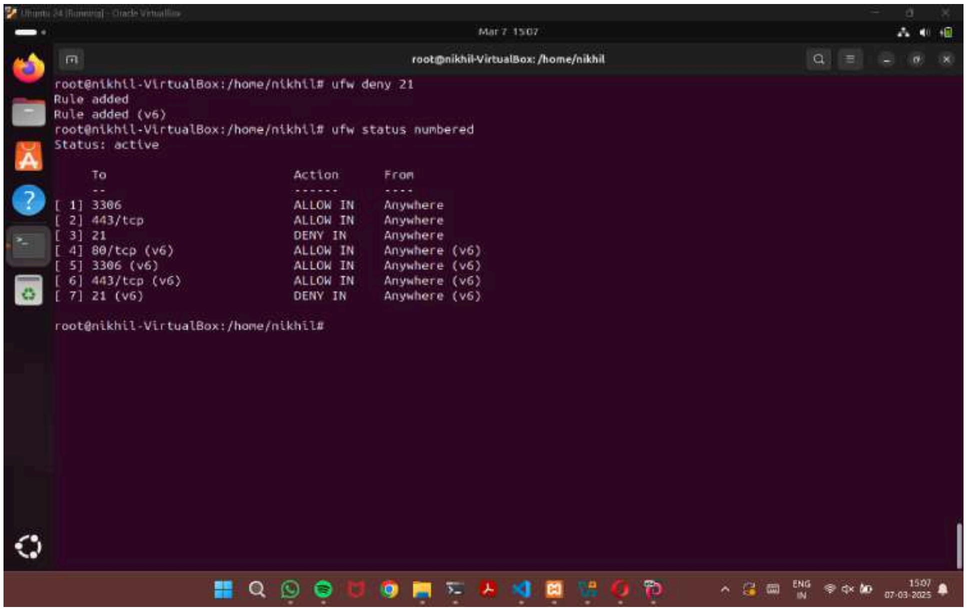


```
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21/tcp                     ALLOW IN    Anywhere
[ 2] 3306                       ALLOW IN    Anywhere
[ 3] 443/tcp                    ALLOW IN    Anywhere
[ 4] 21/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 5] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 6] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 7] 443/tcp (v6)               ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil# ufw delete 1
Deleting:
 allow 21/tcp
Proceed with operation (y|n)? y
Rule deleted
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 21/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 4] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 5] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 6] 443/tcp (v6)               ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil#
```

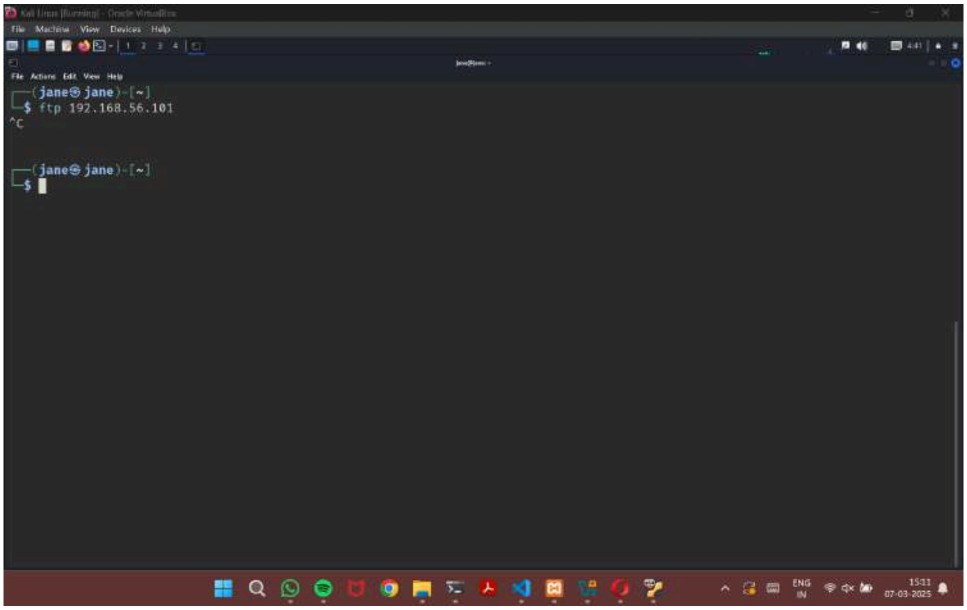


```
root@nikhil-VirtualBox:/home/nikhil# ufw delete 3
Deleting:
 allow 21/tcp
Proceed with operation (y|n)? y
Rule deleted (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 4] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 5] 443/tcp (v6)               ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
root@nikhil-VirtualBox:/home/nikhil#
```

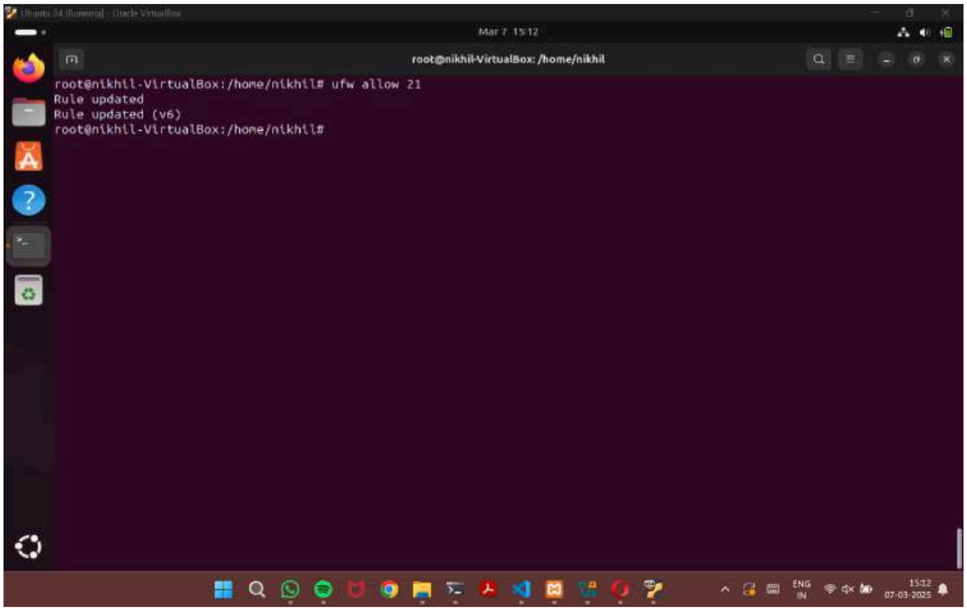
7. Updating traffic in ports in Ubuntu and checking it in Kali Linux



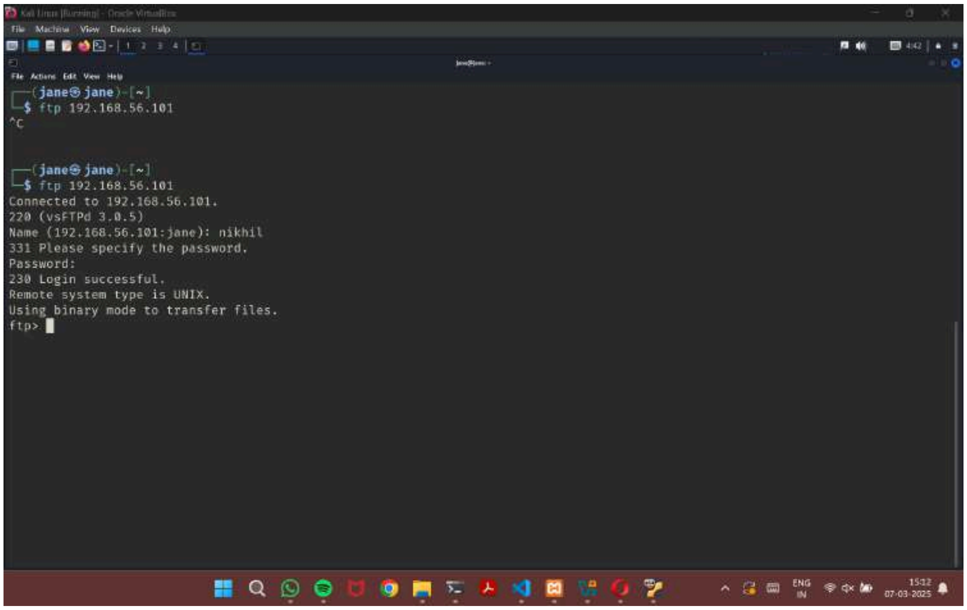
```
root@nikhil-VirtualBox:/home/nikhil# ufw deny 21
Rule added
Rule added (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 21                         DENY IN     Anywhere
[ 4] 80/tcp (v6)                ALLOW IN    Anywhere (v6)
[ 5] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 6] 443/tcp (v6)               ALLOW IN    Anywhere (v6)
[ 7] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil#
```


Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
15:11
07-03-2025

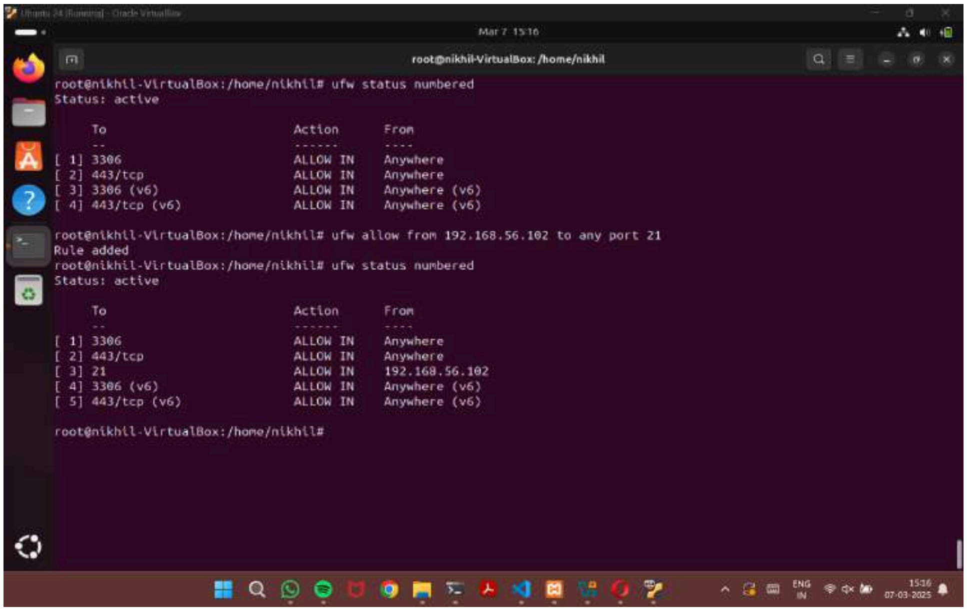
```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
^C

┌──(jane㉿jane)-[~]
└─$ 
```


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 15:12
root@nikhil-VirtualBox: /home/nikhil
15:12
07-03-2025

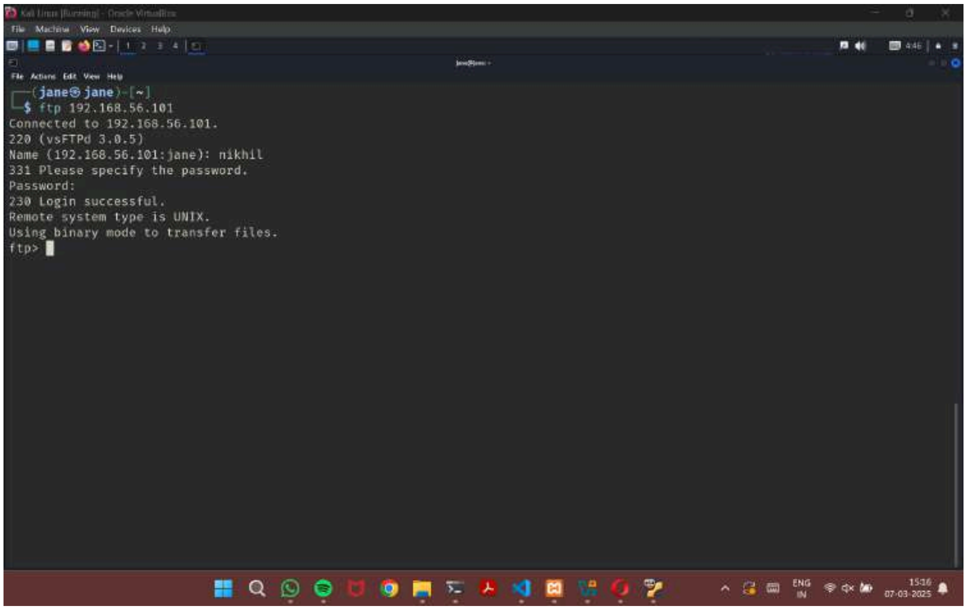
```
root@nikhil-VirtualBox:/home/nikhil# ufw allow 21
Rule updated
Rule updated (v6)
root@nikhil-VirtualBox:/home/nikhil#
```


Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
4:42
ENG IN
15:12
07-03-2025

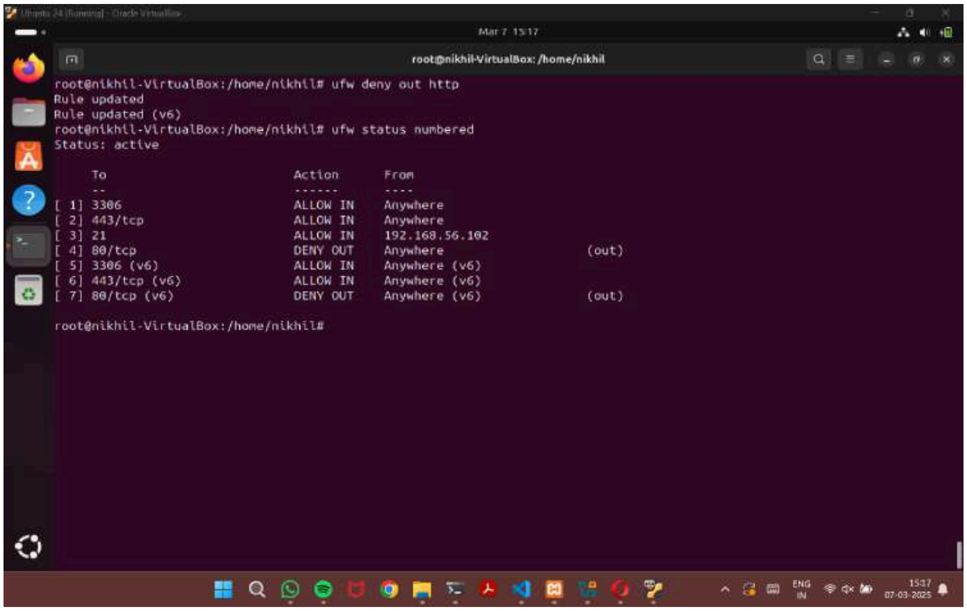
```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
^C


┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
Connected to 192.168.56.101.
220 (vsFTPd 3.0.5)
Name (192.168.56.101:jane): nikhil
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> █
```


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 15:16
root@nikhil-VirtualBox: /home/nikhil
ENG IN
15:16
07-03-2025

```
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 4] 443/tcp (v6)               ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil# ufw allow from 192.168.56.102 to any port 21
Rule added
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 21                         ALLOW IN    192.168.56.102
[ 4] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 5] 443/tcp (v6)               ALLOW IN    Anywhere (v6)

root@nikhil-VirtualBox:/home/nikhil#
```

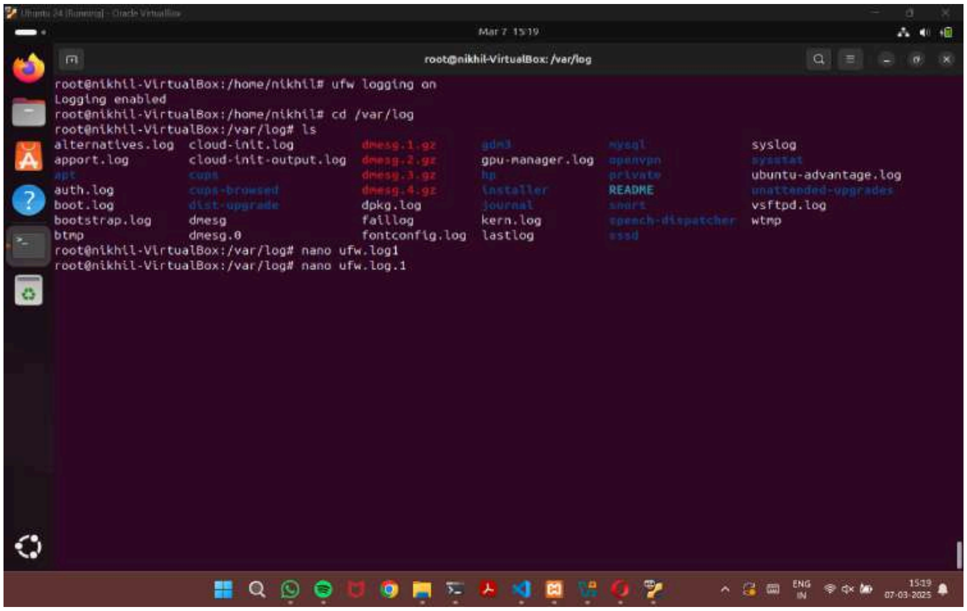

Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
15:16
07-03-2025

```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
Connected to 192.168.56.101.
220 (vsFTPd 3.0.5)
Name (192.168.56.101:jane): nikhil
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp>
```

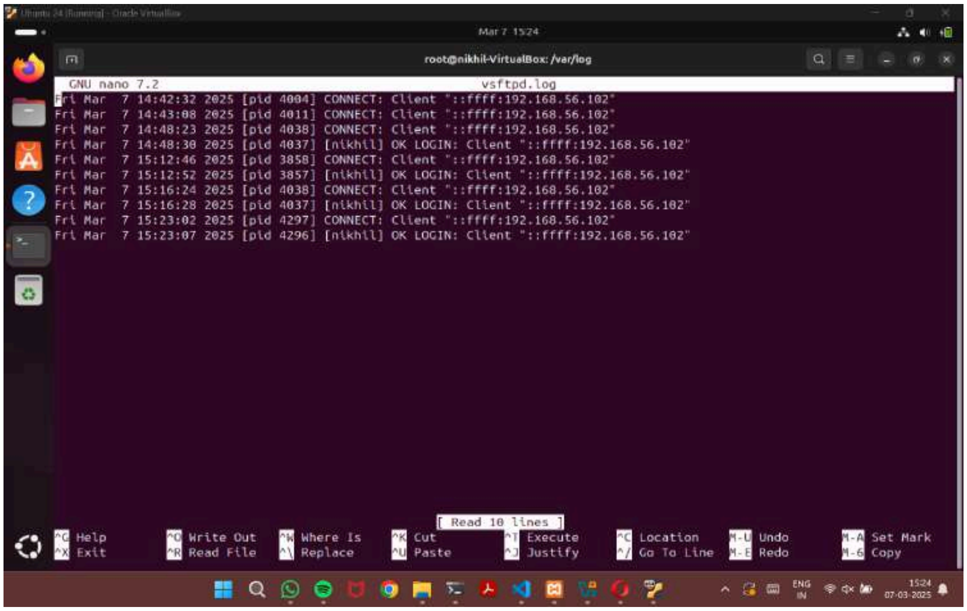

Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 15:17
root@nikhil-VirtualBox: /home/nikhil
15:17
07-03-2025

```
root@nikhil-VirtualBox:/home/nikhil# ufw deny out http
Rule updated
Rule updated (v6)
root@nikhil-VirtualBox:/home/nikhil# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 3306                       ALLOW IN    Anywhere
[ 2] 443/tcp                    ALLOW IN    Anywhere
[ 3] 21                         ALLOW IN    192.168.56.102
[ 4] 80/tcp                     DENY OUT    Anywhere                   (out)
[ 5] 3306 (v6)                  ALLOW IN    Anywhere (v6)
[ 6] 443/tcp (v6)               ALLOW IN    Anywhere (v6)
[ 7] 80/tcp (v6)                DENY OUT    Anywhere (v6)              (out)

root@nikhil-VirtualBox:/home/nikhil#
```

## 8. Logging VSFTPD

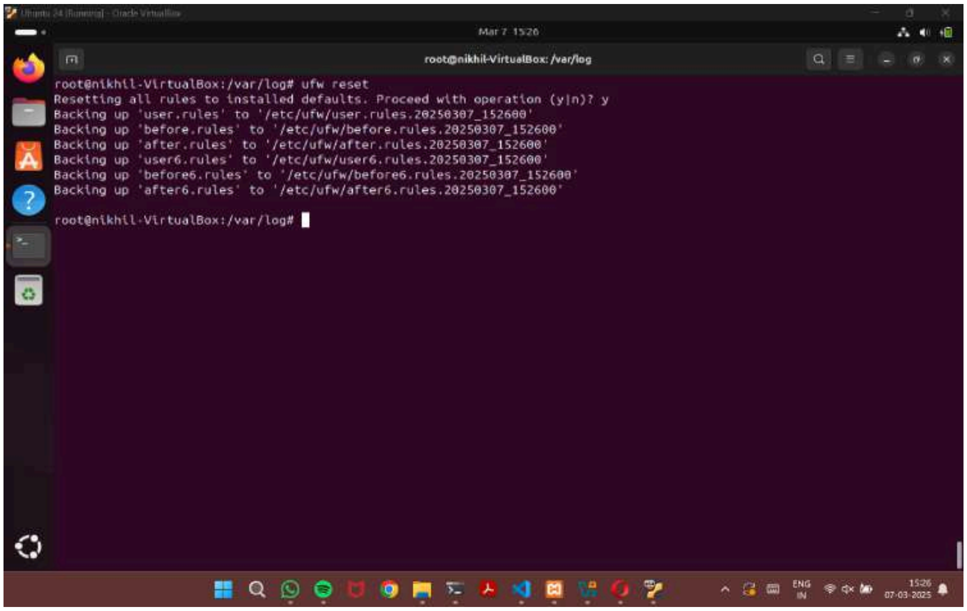


```
root@nikhil-VirtualBox:/home/nikhil# ufw logging on
Logging enabled
root@nikhil-VirtualBox:/home/nikhil# cd /var/log
root@nikhil-VirtualBox:/var/log# ls
alternatives.log  cloud-init.log         dmesg.1.gz      gdm3             mysql              syslog
apport.log        cloud-init-output.log  dmesg.2.gz      gpu-manager.log  openvpn            sysstat
apt               cups                   dmesg.3.gz      hp               private            ubuntu-advantage.log
auth.log          cups-browsed           dmesg.4.gz      installer        README             unattended-upgrades
boot.log          dist-upgrade           dpkg.log        journal          snort              vsftpd.log
bootstrap.log     dmesg                  faillog         kern.log         speech-dispatcher  wtmp
btmp              dmesg.0                fontconfig.log  lastlog          sssd
root@nikhil-VirtualBox:/var/log# nano ufw.log1
root@nikhil-VirtualBox:/var/log# nano ufw.log.1
```

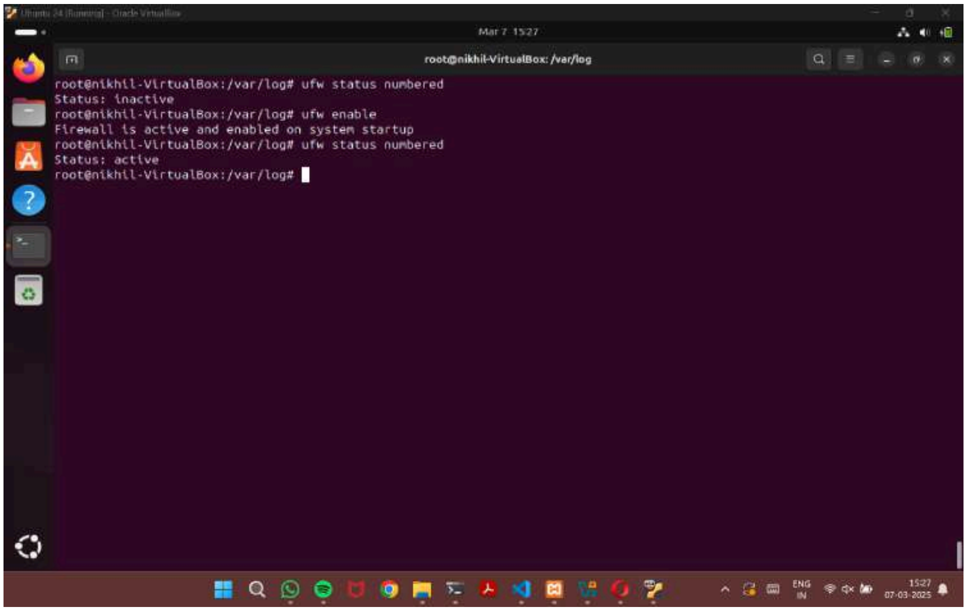


```
  GNU nano 7.2                                vsftpd.log
Fri Mar  7 14:42:32 2025 [pid 4004] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 14:43:08 2025 [pid 4011] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 14:48:23 2025 [pid 4038] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 14:48:30 2025 [pid 4037] [nikhil] OK LOGIN: Client "::ffff:192.168.56.102"
Fri Mar  7 15:12:46 2025 [pid 3858] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 15:12:52 2025 [pid 3857] [nikhil] OK LOGIN: Client "::ffff:192.168.56.102"
Fri Mar  7 15:16:24 2025 [pid 4038] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 15:16:28 2025 [pid 4037] [nikhil] OK LOGIN: Client "::ffff:192.168.56.102"
Fri Mar  7 15:23:02 2025 [pid 4297] CONNECT: Client "::ffff:192.168.56.102"
Fri Mar  7 15:23:07 2025 [pid 4296] [nikhil] OK LOGIN: Client "::ffff:192.168.56.102"

                                    [ Read 10 lines ]
^G Help       ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark
^X Exit       ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo      M-6 Copy
```

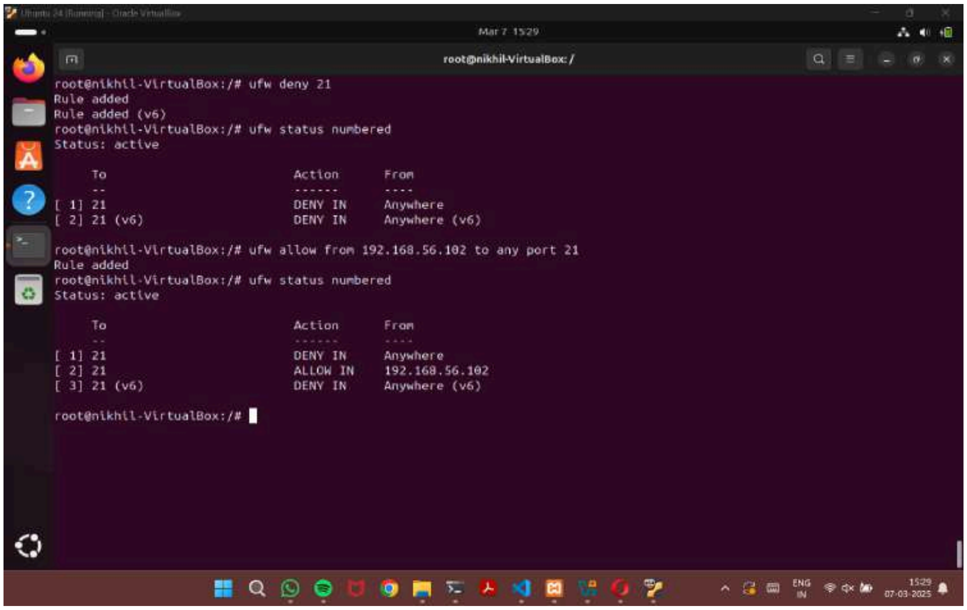
9. Resetting the rules



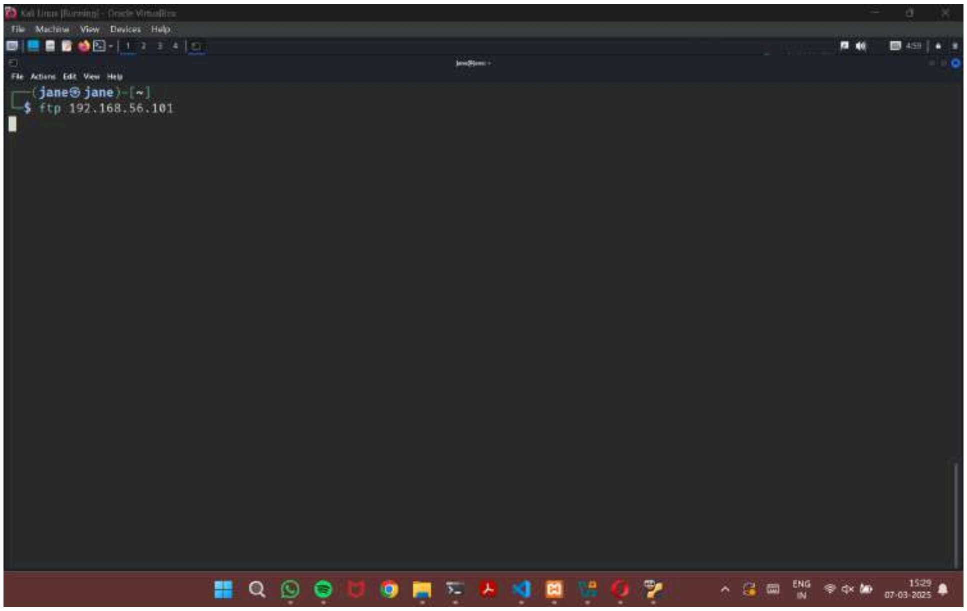
```
root@nikhil-VirtualBox:/var/log# ufw reset
Resetting all rules to installed defaults. Proceed with operation (y|n)? y
Backing up 'user.rules' to '/etc/ufw/user.rules.20250307_152600'
Backing up 'before.rules' to '/etc/ufw/before.rules.20250307_152600'
Backing up 'after.rules' to '/etc/ufw/after.rules.20250307_152600'
Backing up 'user6.rules' to '/etc/ufw/user6.rules.20250307_152600'
Backing up 'before6.rules' to '/etc/ufw/before6.rules.20250307_152600'
Backing up 'after6.rules' to '/etc/ufw/after6.rules.20250307_152600'

root@nikhil-VirtualBox:/var/log# 
```



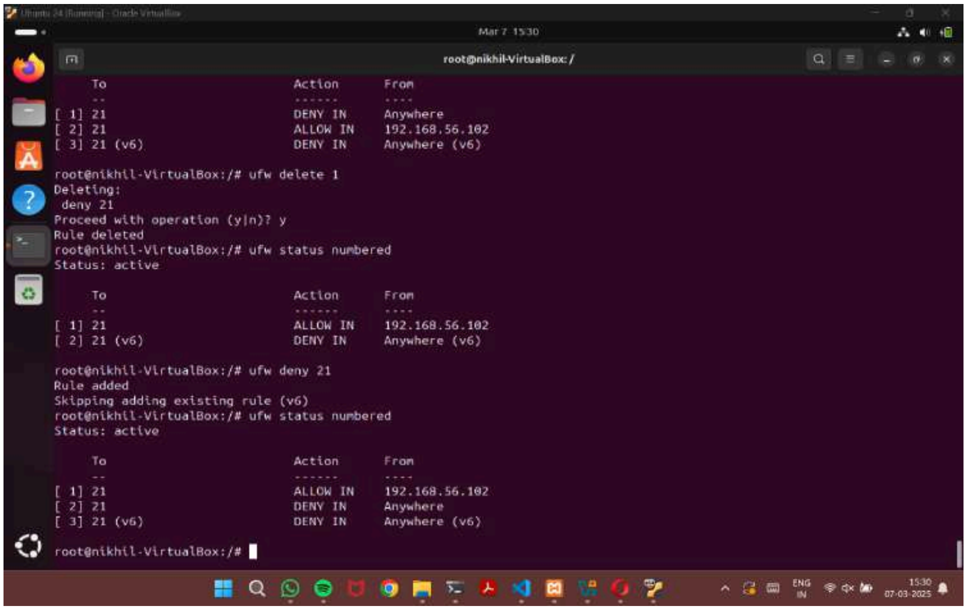
```
root@nikhil-VirtualBox:/var/log# ufw status numbered
Status: inactive
root@nikhil-VirtualBox:/var/log# ufw enable
Firewall is active and enabled on system startup
root@nikhil-VirtualBox:/var/log# ufw status numbered
Status: active
root@nikhil-VirtualBox:/var/log# 
```



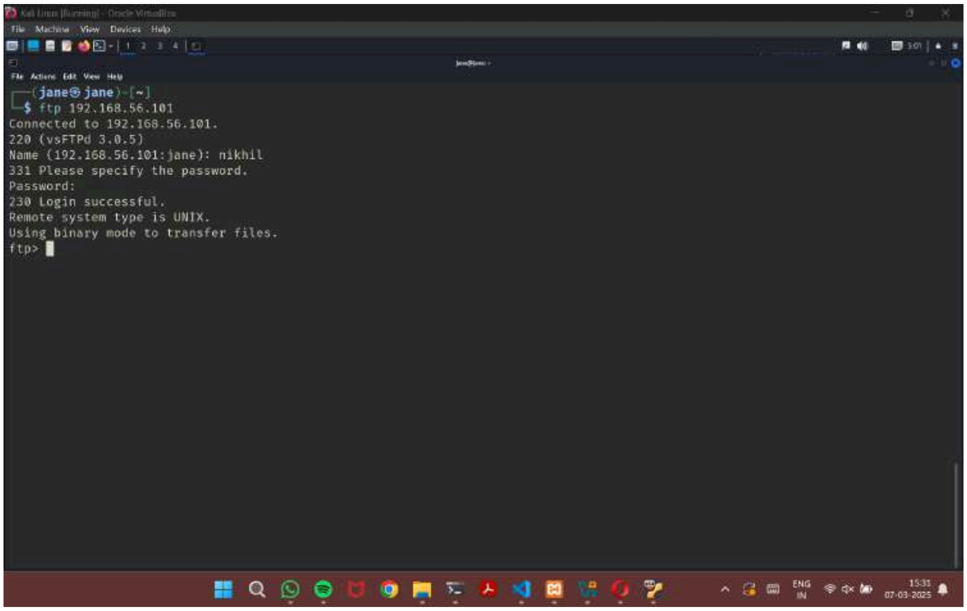
```
root@nikhil-VirtualBox:/# ufw deny 21
Rule added
Rule added (v6)
root@nikhil-VirtualBox:/# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21                         DENY IN     Anywhere
[ 2] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/# ufw allow from 192.168.56.102 to any port 21
Rule added
root@nikhil-VirtualBox:/# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21                         DENY IN     Anywhere
[ 2] 21                         ALLOW IN    192.168.56.102
[ 3] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/#
```



```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
```


Ubuntu 24 [Running] - Oracle VirtualBox
Mar 7 15:30
root@nikhil-VirtualBox: /
ENG
IN
15:30
07-03-2025

```
     To                         Action      From
     --                         ------      ----
[ 1] 21                         DENY IN     Anywhere
[ 2] 21                         ALLOW IN    192.168.56.102
[ 3] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/# ufw delete 1
Deleting:
 deny 21
Proceed with operation (y|n)? y
Rule deleted
root@nikhil-VirtualBox:/# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21                         ALLOW IN    192.168.56.102
[ 2] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/# ufw deny 21
Rule added
Skipping adding existing rule (v6)
root@nikhil-VirtualBox:/# ufw status numbered
Status: active

     To                         Action      From
     --                         ------      ----
[ 1] 21                         ALLOW IN    192.168.56.102
[ 2] 21                         DENY IN     Anywhere
[ 3] 21 (v6)                    DENY IN     Anywhere (v6)

root@nikhil-VirtualBox:/# 
```


Kali Linux [Running] - Oracle VirtualBox
File Machine View Devices Help
File Actions Edit View Help
ENG
IN
15:31
07-03-2025

```
┌──(jane㉿jane)-[~]
└─$ ftp 192.168.56.101
Connected to 192.168.56.101.
220 (vsFTPd 3.0.5)
Name (192.168.56.101:jane): nikhil
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> 
```

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Dhevatha S P