

Task 4

Setup and Use a Firewall on Windows/Linux

- 1. I start create the fire wall in the kali linux using the UFW (Uncomplicated Firewall).**
- 2. I use the some command to install and run the UFW .**

Command I used in the kali linux

- 1. Sudo apt install ufw**
- 2.Sudo ufw enable**
- 3.Sudo ufw status**
- 4.Sudo ufw deny 23**
- 5.Sudo ufw allow https**
- 6.Sudo ufw delete deny 23**
- 7.Sudo ufw disable**

Practical in kali linux

```
root@kali: /home/naruto
# sudo ufw enable
Firewall is active and enabled on system startup

root@kali: /home/naruto
# ufw status numbered
Status: active

root@kali: /home/naruto
# ufw deny 23
Rule added
Rule added (v6)

root@kali: /home/naruto
# telnet localhost 23
Trying ::1...
Connection failed: Connection refused
Trying 127.0.0.1...
telnet: Unable to connect to remote host: Connection refused

root@kali: /home/naruto
# ufw allow ssh
Rule added
Rule added (v6)

root@kali: /home/naruto
# ufw allow ssh 22/tcp
ERROR: Need 'to' or 'from' clause

root@kali: /home/naruto
# ufw delete deny 23
Rule deleted
Rule deleted (v6)

root@kali: /home/naruto
# ufw status numbered
Status: active

To Action From
--
1 22/tcp ALLOW IN Anywhere
2 22/tcp (v6) ALLOW IN Anywhere (v6)
```

```
root@kali: /home/naruto
# ufw allow udp
Rule added
Rule added (v6)

root@kali: /home/naruto
# ufw allow dns
Rule added
Rule added (v6)

root@kali: /home/naruto
# ufw allow dhcp server
ERROR: Need 'to' or 'from' clause

root@kali: /home/naruto
# ufw allow ftp
Rule added
Rule added (v6)

root@kali: /home/naruto
# ufw allow dhcp
ERROR: Could not find a profile matching 'dhcp'

root@kali: /home/naruto
# ufw deny 143
Rule added
Rule added (v6)

root@kali: /home/naruto
# ufw status
Status: active

To Action From
--
22/tcp ALLOW Anywhere
443 ALLOW Anywhere
25/tcp ALLOW Anywhere
DNS ALLOW Anywhere
21/tcp ALLOW Anywhere
143 DENY Anywhere
22/tcp (v6) ALLOW Anywhere (v6)
443 (v6) ALLOW Anywhere (v6)
25/tcp (v6) ALLOW Anywhere (v6)
DNS (v6) ALLOW Anywhere (v6)
21/tcp (v6) ALLOW Anywhere (v6)
143 (v6) DENY Anywhere (v6)
```

Conclusion:-

UFW (Uncomplicated Firewall) is a powerful yet user-friendly tool to manage network traffic on Kali Linux. Through simple commands, users can effectively control access to specific ports, enhancing system security with minimal complexity.