

Task 4

Setup and Use a Firewall on Windows/Linux

Objective:

To configure and test basic firewall rules using UFW on Kali Linux by blocking Telnet (port 23), allowing SSH (port 22), and validating the results.

Tools Used: -

- Kali Linux
- UFW (Uncomplicated Firewall)
- Telnet / Netcat for testing

Steps Performed: -

1. Installed UFW: -

- Bash>> sudo apt install ufw

2. Enabled UFW: -

- Bash>> sudo ufw enable

```
(detronax@kali)-[~]  
$ sudo ufw enable  
  
Firewall is active and enabled on system startup
```

3. Blocked Telnet (Port 23): -

- Bash>> sudo ufw deny 23

```
(detronax@kali)-[~]  
$ sudo ufw deny 23  
  
Rule added  
Rule added (v6)
```

4. Tested Block (Telnet/Netcat): -

- Bash>> telnet localhost 23

5. Allowed SSH (Port 22): -

- Bash>> sudo ufw allow 22

6. Removed Telnet Block Rule: -

- Bash>> sudo ufw delete deny 23

7. Checked Final Rules: -

- Bash>> sudo ufw status numbered

```
(detronax@kali)-[~]  
$ sudo ufw status numbered  
  
Status: active
```

```
(detronax@kali)-[~]  
$ sudo ufw status numbered  
  
Status: active
```

	To	Action	From
	--	---	---
[1]	22	ALLOW IN	Anywhere
[2]	22 (v6)	ALLOW IN	Anywhere (v6)