

UFW KALI LINUX

1. OBJECTIVE

To implement and document basic firewall rules using UFW on Kali Linux, ensuring that unnecessary and insecure ports can be blocked while allowing essential traffic, and verifying the configuration.

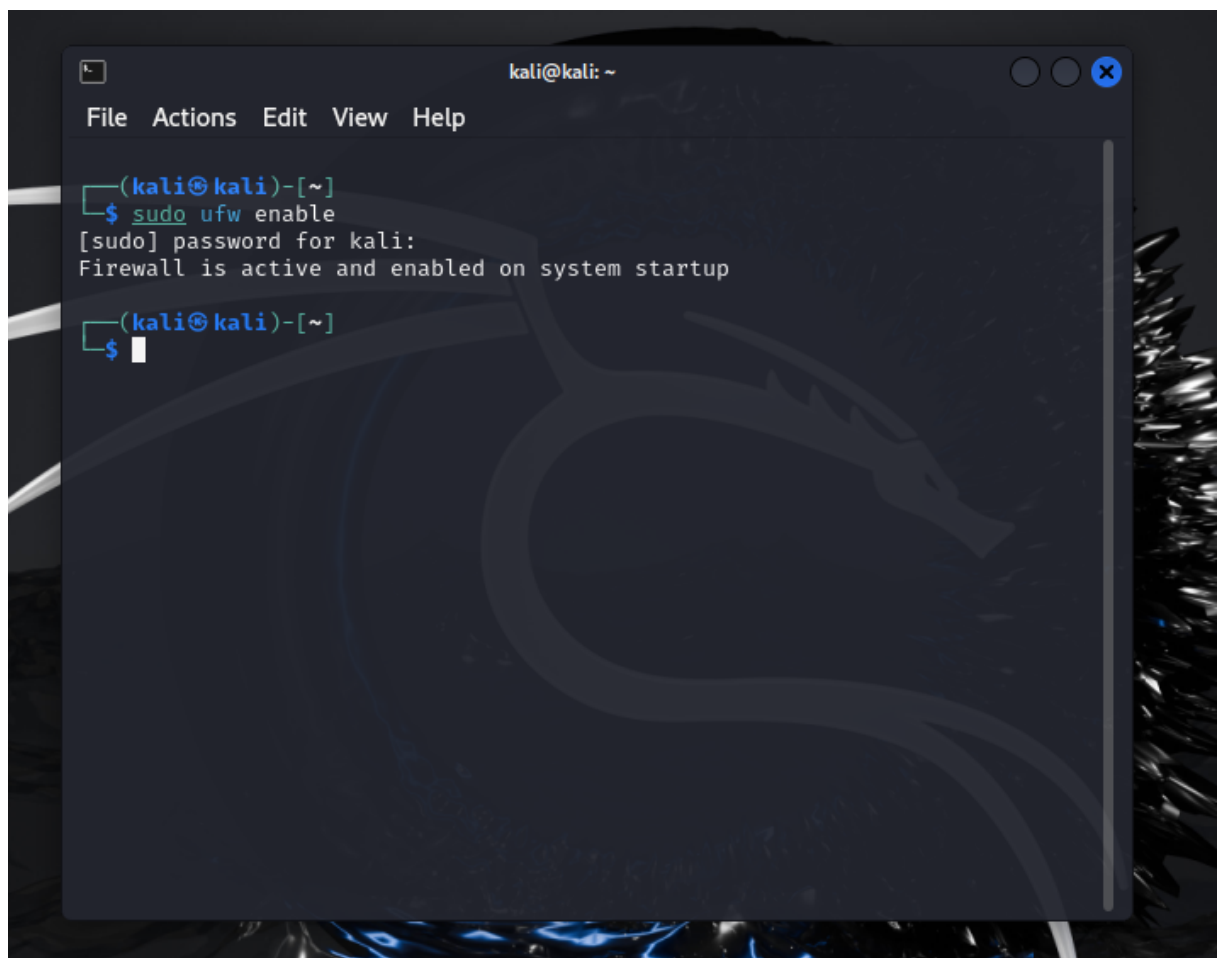
2. STEPS

- UFW ENABLED
- UFW ACTIVE
- UFW BASIC RULES CONFIGURED
- UFW CONFIGURATION VERIFIED

3. RESULTS

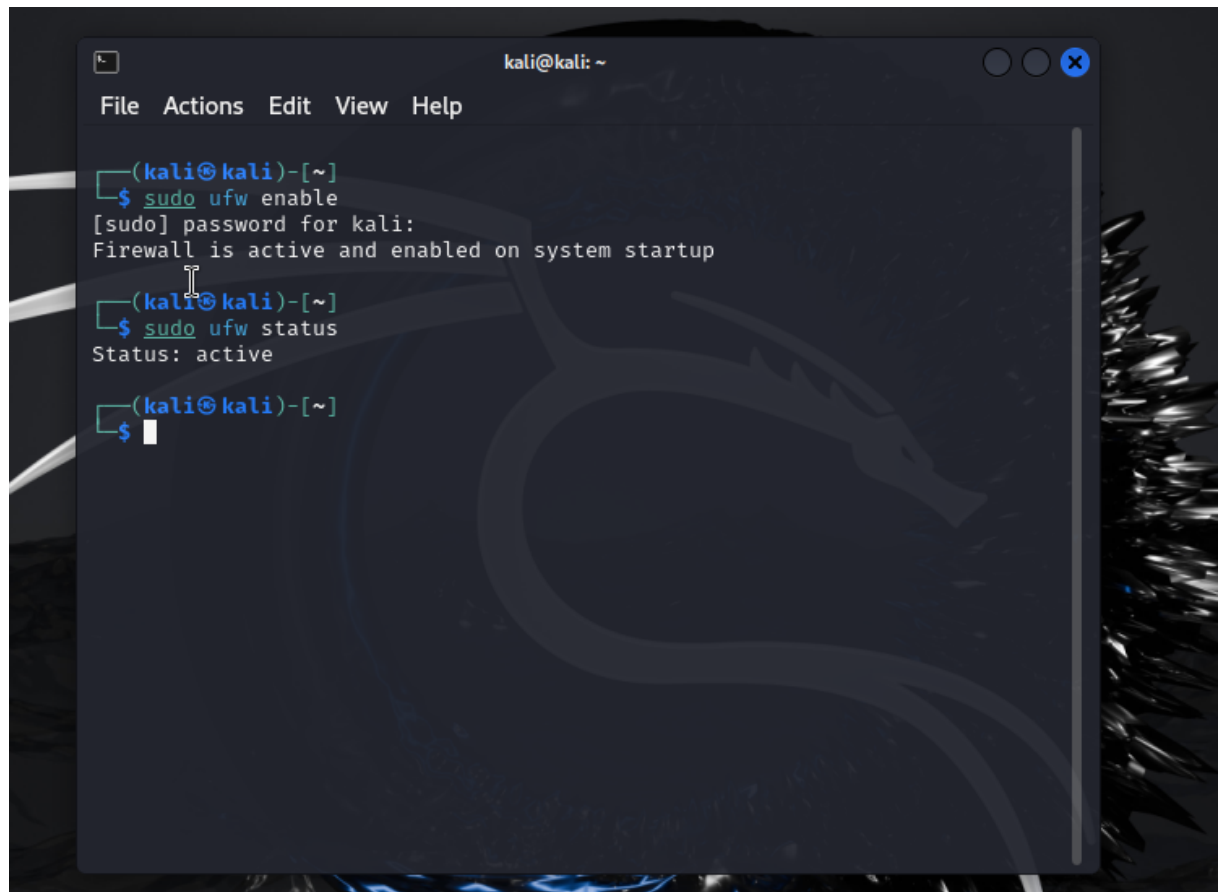
UFW is active/enabled and ports 20, 21, & 23 are blocked

1. UFW Enabled

A terminal window titled 'kali@kali: ~' with a menu bar containing 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows a user prompt '(kali@kali)-[~]' followed by the command '\$ sudo ufw enable'. The output is '[sudo] password for kali:' followed by 'Firewall is active and enabled on system startup'. The prompt returns to '(kali@kali)-[~]' and the user enters a dollar sign '\$' followed by a cursor.

```
kali@kali: ~  
File Actions Edit View Help  
  
(kali@kali)-[~]  
$ sudo ufw enable  
[sudo] password for kali:  
Firewall is active and enabled on system startup  
  
(kali@kali)-[~]  
$
```

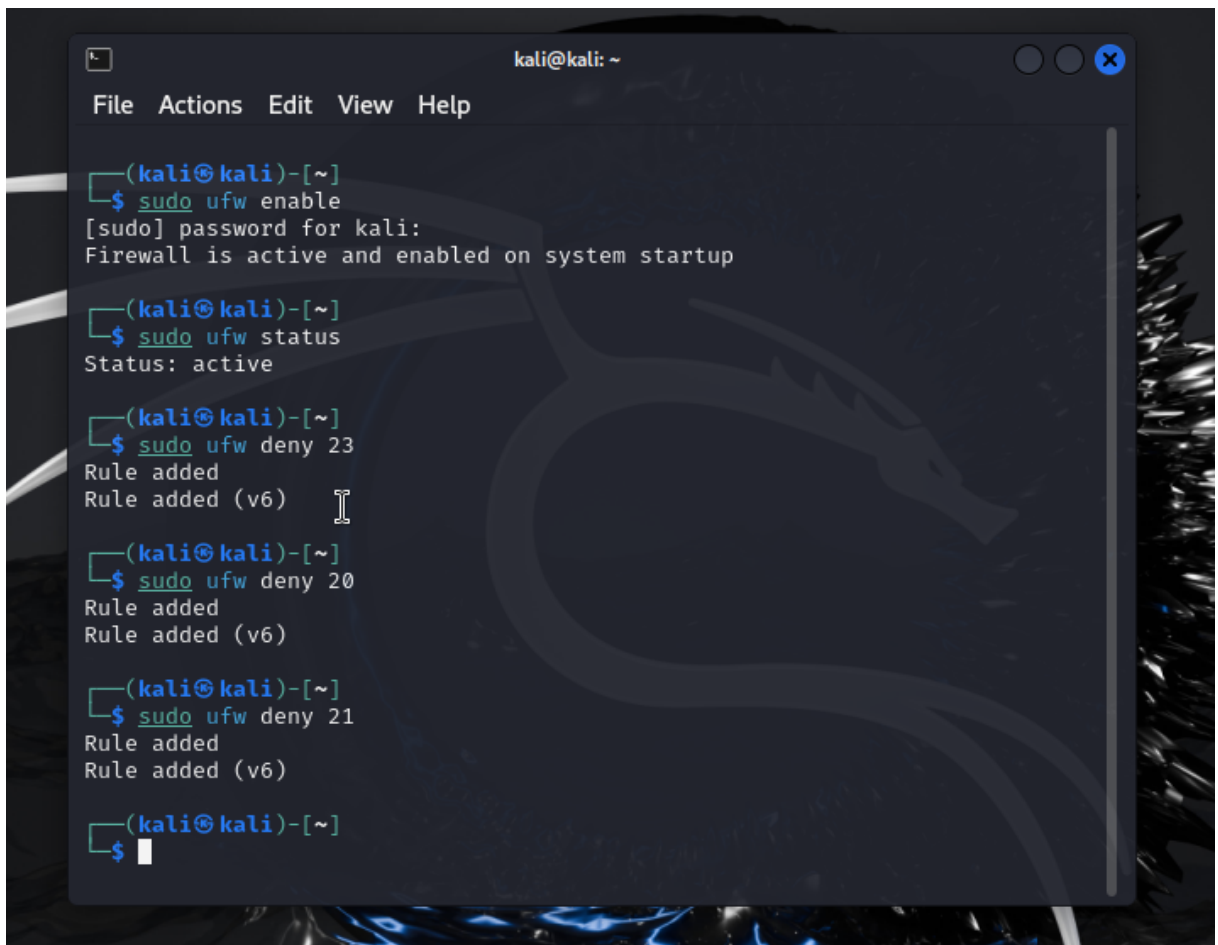
2. UFW Active

A terminal window titled 'kali@kali: ~' with a menu bar containing 'File', 'Actions', 'Edit', 'View', and 'Help'. The terminal shows the following commands and output:

```
(kali@kali)-[~]  
$ sudo ufw enable  
[sudo] password for kali:  
Firewall is active and enabled on system startup  
  
(kali@kali)-[~]  
$ sudo ufw status  
Status: active  
  
(kali@kali)-[~]  
$
```

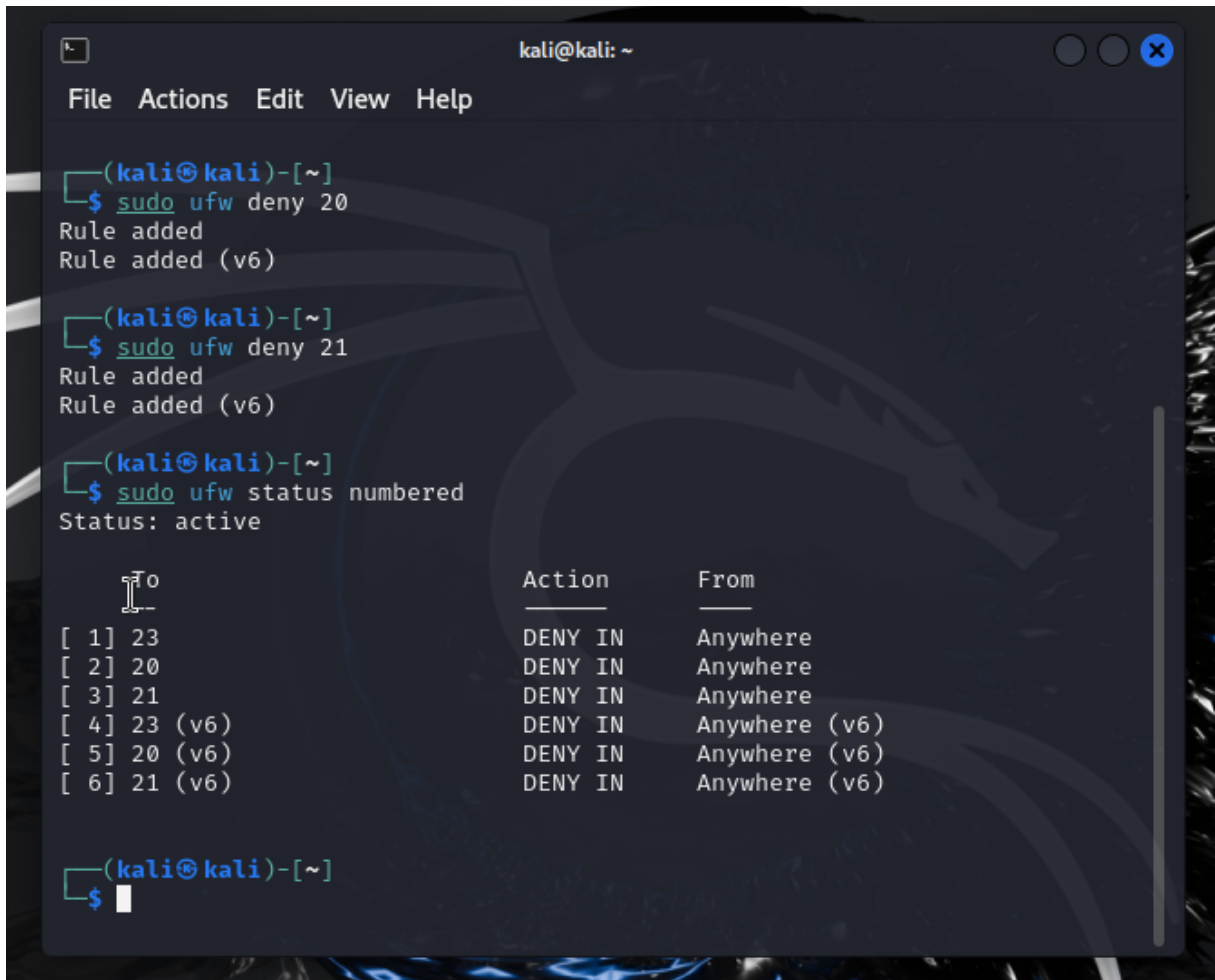
The background of the terminal window features a faint, stylized dragon logo, which is the Kali Linux logo. The window has standard Linux window controls (minimize, maximize, close) in the top right corner.

3. UFW Basic Rules Configured

A terminal window titled 'kali@kali: ~' with a menu bar (File, Actions, Edit, View, Help) and standard window controls. The terminal shows the following commands and outputs:

```
(kali@kali)-[~]  
$ sudo ufw enable  
[sudo] password for kali:  
Firewall is active and enabled on system startup  
  
(kali@kali)-[~]  
$ sudo ufw status  
Status: active  
  
(kali@kali)-[~]  
$ sudo ufw deny 23  
Rule added  
Rule added (v6)  
  
(kali@kali)-[~]  
$ sudo ufw deny 20  
Rule added  
Rule added (v6)  
  
(kali@kali)-[~]  
$ sudo ufw deny 21  
Rule added  
Rule added (v6)  
  
(kali@kali)-[~]  
$
```

4. UFW Configuration Verified



A terminal window titled 'kali@kali: ~' with a menu bar (File, Actions, Edit, View, Help) and a Kali Linux dragon logo in the background. The terminal shows the following commands and output:

```
(kali@kali)-[~]  
$ sudo ufw deny 20  
Rule added  
Rule added (v6)  
  
(kali@kali)-[~]  
$ sudo ufw deny 21  
Rule added  
Rule added (v6)  
  
(kali@kali)-[~]  
$ sudo ufw status numbered  
Status: active
```

	To	Action	From
[1]	23	DENY IN	Anywhere
[2]	20	DENY IN	Anywhere
[3]	21	DENY IN	Anywhere
[4]	23 (v6)	DENY IN	Anywhere (v6)
[5]	20 (v6)	DENY IN	Anywhere (v6)
[6]	21 (v6)	DENY IN	Anywhere (v6)

```
(kali@kali)-[~]  
$
```