```
📢 🔲 🛅 🍃 🐸 🐸 🕶 📋 1 2 3 4 🗀 📧
                                                                                                                                                                                            11:50
 ruturaj@kall: ~ 📕 root@kall: /var/log 📕
 (ruturaj@kali)-[~]
$ sudo apt-get update
[sudo] password for ruturaj:
Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Get:2 http://kali.download/kali kali-rolling/main amd64 Packages [21.0 MB]
Hit:3 https://deb.i2p.net trixie InRelease
Get:4 http://kali.download/kali kali-rolling/main amd64 Contents (deb) [51.4 MB]
Fetched 72.4 MB in 44s (1,658 kB/s)
Reading package lists... Done
(ruturaj⊕ kali)-[~]
$ sudo apt install ufw -y
Installing:
 Suggested packages:
     rsyslog
 Summary:
     Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 429
     Download size: 169 kB
Space needed: 880 kB / 4,499 MB available
Get:1 http://kali.download/kali kali-rolling/main amd64 ufw all 0.36.2-9 [169 kB]
                                                                                                                                                                                            11:50 A G
S = 2 4 E 1 2 3 4 E 1
 File Actions Edit View Help
  ruturaj@kali: ~ 📕 root@kali: /var/log 📓
Fetched 169 kB in 1s (181 kB/s)
Preconfiguring packages ...

Selecting previously unselected package ufw.
(Reading database ... 416912 files and directories currently installed.)
Preparing to unpack ... /archives/ufw_0.36.2-9_all.deb ...

Unpacking ufw (0.36.2-9) ...
Setting up ufw (0.36.2-9) ...

Creating config file /etc/ufw/before.rules with new version
Creating config file /etc/ufw/before6.rules with new version
Creating config file /etc/ufw/after.rules with new version
Creating config file /etc/ufw/after6.rules with new version
update-rc.d: We have no instructions for the ufw init script.
update-rc.d: It looks like a non-network service, we enable it.
Created symlink '/etc/systemd/system/multi-user.target.wants/ufw.service' → '/usr/lib/systemd/system/ufw.service'.
 Fetched 169 kB in 1s (181 kB/s)
Processing triggers for kali-menu (2025.2.7) ...
Processing triggers for man-db (2.13.1-1) ...
$ sudo ufw status verbose Status: inactive
 [ruturaj⊛ kali)-[~]
$ ufw start
S = 2 3 4 E =
                                                                                                                                                                                             11:50 A G
 File Actions Edit View Help

ruturaj@kall: ~ I root@kali: /va
$ ufw start
ERROR: Invalid syntax
 Usage: ufw COMMAND
 Commands:
                                                                     enables the firewall
   enable
   disable
                                                                     disables the firewall
   default ARG
                                                                     set logging to LEVEL
add allow rule
add deny rule
add reject rule
add limit rule
  logging LEVEL
allow ARGS
deny ARGS
reject ARGS
   limit ARGS
   delete RULE|NUM
insert NUM RULE
                                                                     delete RULE
insert RULE at NUM
   prepend RULE
                                                                     prepend RULE
    route RULE
                                                                      add route RULE
   route delete RULE|NUM
route insert NUM RULE
                                                                     delete route RULE insert route RULE at NUM
   reload
                                                                      reload firewall
                                                                      reset firewall
   reset
```

```
ruturaj@kali: ~ II root@kali: /var/log III
                                                                                                                        insert route RULE at NUM reload firewall
    route insert NUM RULE
     reload
                                                                                                                       reload firewall
reset firewall
show firewall status
show firewall status as numbered list of RULES
show verbose firewall status
show firewall report
display version information
     reset
    status numbered
status verbose
     show ARG
  Application profile commands:
                                                                                                                       list application profiles
show information on PROFILE
update PROFILE
set default application policy
    app list
app info PROFILE
    app update PROFILE
app default ARG
(ruturaj@kali)-[~]
$ ufw enable
ERROR: You need to be root to run this script
  (ruturaj⊛kali)-[~]
$ sudo ufw allow 22/tcp
 Rules updated
                                                                                                                                                                                                                                                                                                                                     11:50 A
 S 2 3 4 S
  ruturaj@kali: ~ 🗵 root@kali: /var/log 🔣
    app update PROFILE
                                                                                                                       update PROFILE
                                                                                                                       set default application policy
    app default ARG
ruturaj⊕ kali)-[~]
$ ufw enable
ERROR: You need to be root to run this script
  (ruturāj & katī) [1]
$ sudo ufw allow 22/tcp
Rules updated
 Rules updated (v6)
  (ruturaj⊛ kali)-[~]

$ sudo ufw deny 23/tcp
Rules updated
Rules updated (v6)
ruturaj⊕ kali)-[~]

$ <u>sudo</u> ufw enable

Firewall is active and enabled on system startup
S = 2 3 4 E =
                                                                                                                                                                                                                                                                                                                                    □ • 11:50 A G
  File Actions Edit View Help
ruturaj@kall: ~ II root@kall: /var/log III

<u>Sudo</u> ufw enable

■ Sudo u
 Firewall is active and enabled on system startup
(ruturaj⊗ kali)-[~]
$ sudo ufw status numbered
Status: active
                                                                                                                    Action
                                                                                                                                                                From
 --

[ 1] 22/tcp

[ 2] 23/tcp

[ 3] 22/tcp (v6)

[ 4] 23/tcp (v6)
                                                                                                                   ALLOW IN
DENY IN
ALLOW IN
DENY IN
                                                                                                                                                               Anywhere
                                                                                                                                                                Anywhere
                                                                                                                                                               Anywhere (v6)
Anywhere (v6)
ruturaj⊕ kali)-[~]

$ sudo ufw status

Status: active
 22/tcp
                                                                                                   ALLOW
                                                                                                                                              Anywhere
 23/tcp
                                                                                                   DENY
                                                                                                                                              Anywhere
 22/tcp (v6)
                                                                                                   ALLOW
                                                                                                                                              Anywhere (v6)
```

```
| The Anton Est View Help | North Melp | Nor
```

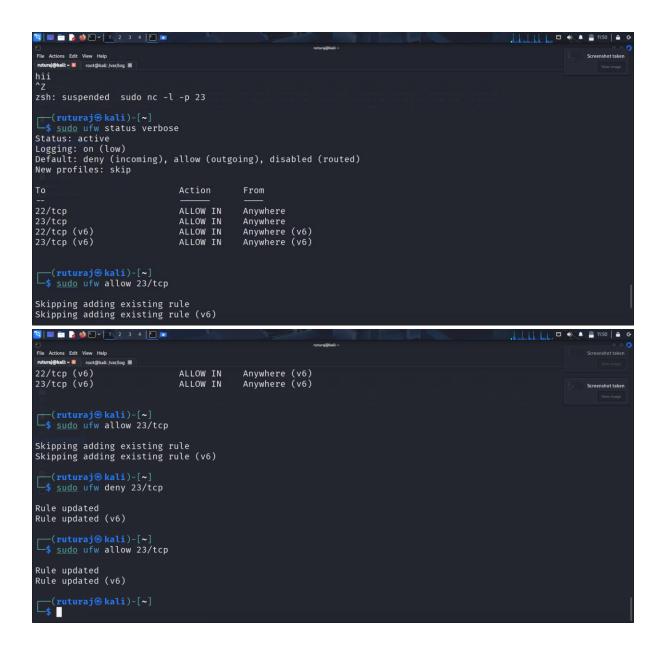
```
11:50
 S = 2 3 4 E = 1
File Actions Edit View Help

ruturaj@kali: ~ | root@kali: /var/log | |
 ruturaj⊛ kali)-[~]
$ sudo ufw -h
Usage: ufw COMMAND
Commands:
                                                   enables the firewall
disables the firewall
set default policy
set logging to LEVEL
add allow rule
  enable
  disable
 default ARG
logging LEVEL
allow ARGS
deny ARGS
                                                    add deny rule
 reject ARGS
limit ARGS
delete RULE NUM
insert NUM RULE
                                                   add reject rule
add limit rule
                                                   delete RULE
insert RULE at NUM
  prepend RULE
route RULE
route delete RULE|NUM
                                                   prepend RULE
add route RULE
                                                   add route RULE
delete route RULE
insert route RULE at NUM
reload firewall
reset firewall
show firewall status
show firewall status as numbered list of RULES
  route insert NUM RULE
  reload
  reset
  status
  status numbered
□ ♠ ♠ 🖺 11:50 | 🖴 G
 File Actions Edit View Help
 ruturaj@kali: ~ 🗵 root@kali: /var/log 📓
  app info PROFILE
                                                   show information on PROFILE
 app update PROFILE
app default ARG
                                                   update PROFILE set default application policy
(ruturaj⊛ kali)-[~]

$ sudo ufw status verbose

Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip
                                          ALLOW IN
                                                             Anywhere
23/tcp
23/tcp (v6)
23/tcp (v6)
                                          DENY IN
                                                             Anywhere
                                          ALLOW IN DENY IN
                                                             Anywhere (v6)
Anywhere (v6)
 ___(ruturaj⊛ kali)-[~]
$ sudo nc -l -p 23
                                                                                                                                            11:50 A G
File Actions Edit View Help

ruturaj@kali: ~ N root@kali: /var/log N
 (ruturaj⊕ kali)-[~]
$ sudo nc -l -p 23
help
hello
^Z
zsh: suspended sudo nc -l -p 23
(ruturaj⊗ kali)-[~]
$ sudo ufw allow 23/tcp
Rule updated
Rule updated (v6)
(ruturaj⊕ Kall)-l~]
$ sudo ufw status verbose
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip
                                          Action
                                                             From
22/tcp
                                           ALLOW IN
                                                             Anywhere
23/tcp
                                           ALLOW IN
                                                             Anywhere
```



```
File Actions Edit View Help

ruturaj@kali: ~ 
root@kali: /var/log 

 (ruturaj⊗kali)-[~]
$ sudo ufw allow 23/tcp
Skipping adding existing rule
Skipping adding existing rule (v6)
ruturaj⊛ kali)-[~]
$ sudo ufw deny 23/tcp
Rule updated
Rule updated (v6)
 (ruturaj⊗ kali)-[~]
$ sudo ufw allow 23/tcp
Rule updated
Rule updated (v6)
(ruturaj⊗ kali)-[^
$ sudo nc -l -p 22
hii
hello
File Actions Edit View Help

(kali * kali * |-[~]

$ sudo SU
 [sudo] password for kali:
                              i)-[/home/kali]
         ip add
ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00 brd 00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/other_08:00:27:6e:13:6e brd_ff:ff:ff:ff:ff.
         link/ether 08:00:27:6e:13:6e brd ff:ff:ff:ff:ff:ff:ff
inet 192.168.1.103/19 brd 192.168.31.255 scope global dynamic noprefixroute eth0
valid_lft 86208sec preferred_lft 86208sec
inet6 fe80::3d16:e3ea:5b17:6df8/64 scope link noprefixroute
valid_lft forever preferred_lft forever
     # nc 192.168.1.127 23
help
pwd
^C
  (root@kali)-[/home/kali]
# nc 192.168.1.127 23
```

