

```
kali-linux-2025.3-virtualbox-amd64 [Running] - Oracle VirtualBox
File Machine View Input Devices Help

kali@kali: ~/Downloads

Session Actions Edit View Help

(kali@kali)-[~/Downloads]
$ nc -h
[v1.10-50]
connect to somewhere: nc [-options] hostname port[s] [ports] ...
listen for inbound: nc -l -p port [-options] [hostname] [port]
options:
  -c shell commands      as `~e'; use /bin/sh to exec [dangerous!!]
  -e filename            program to exec after connect [dangerous!!]
  -b                    allow broadcasts
  -g gateway            source-routing hop point[s], up to 8
  -G num                source-routing pointer: 4, 8, 12, ...
  -h                    this cruft
  -i secs               delay interval for lines sent, ports scanned
  -k                    set keepalive option on socket
  -l                    listen mode, for inbound connects
  -n                    numeric-only IP addresses, no DNS
  -o file               hex dump of traffic
  -p port               local port number
  -r                    randomize local and remote ports
  -q secs               quit after EOF on stdin and delay of secs
  -s addr               local source address
  -T tos                set Type Of Service
  -t                    answer TELNET negotiation
  -u                    UDP mode
  -v                    verbose [use twice to be more verbose]
  -w secs               timeout for connects and final net reads
  -C                    Send CRLF as line-ending
  -z                    zero-I/O mode [used for scanning]

port numbers can be individual or ranges: lo-hi [inclusive];
hyphens in port names must be backslash escaped (e.g. 'ftp~-data').

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

```
(kali@kali)~[~/Downloads]
```

```
$ sudo ufw status
```

```
Status: active
```

To	Action	From
--	---	---
22/tcp	ALLOW	Anywhere
23/tcp	DENY	Anywhere
22/tcp (v6)	ALLOW	Anywhere (v6)
23/tcp (v6)	DENY	Anywhere (v6)

```
(kali@kali)~[~/Downloads]
```

```
$ sudo apt install netcat
```

```
Package netcat is a virtual package provided by:
```

```
netcat-traditional 1.10-50
```

```
netcat-openbsd 1.229-1
```

```
You should explicitly select one to install.
```

```
Error: Package 'netcat' has no installation candidate
```

```
(kali@kali)~[~/Downloads]
```

```
$ sudo apt update && sudo apt install netcat
```

```
Hit:1 http://http.kali.org/kali kali-rolling InRelease
```

```
497 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
Package netcat is a virtual package provided by:
```

```
netcat-traditional 1.10-50
```

```
netcat-openbsd 1.229-1
```

```
You should explicitly select one to install.
```

```
Error: Package 'netcat' has no installation candidate
```

```
(kali@kali)~[~/Downloads]
```

zsh: no such file or directory: your_machine_IP

(kali@kali)-[~/Downloads]

\$ sudo ufw allow 22/tcp

Skipping adding existing rule

Skipping adding existing rule (v6)

(kali@kali)-[~/Downloads]

\$ telnet localhost 22

Trying ::1...

Connection failed: Connection refused

Trying 127.0.0.1...

telnet: Unable to connect to remote host: Connection refused

(kali@kali)-[~/Downloads]

\$ sudo apt install telnet

Installing:

telnet

Summary:

Upgrading: 0, Installing: 1, Removing: 0, Not Upgrading: 497

Download size: 43.4 kB

Space needed: 55.3 kB / 54.7 GB available

Get:1 http://http.kali.org/kali kali-rolling/main amd64 telnet all 0.17+2.6-4 [43.4 kB]

Fetched 43.4 kB in 2s (21.3 kB/s)

Selecting previously unselected package telnet.

(Reading database ... 417822 files and directories currently installed.)

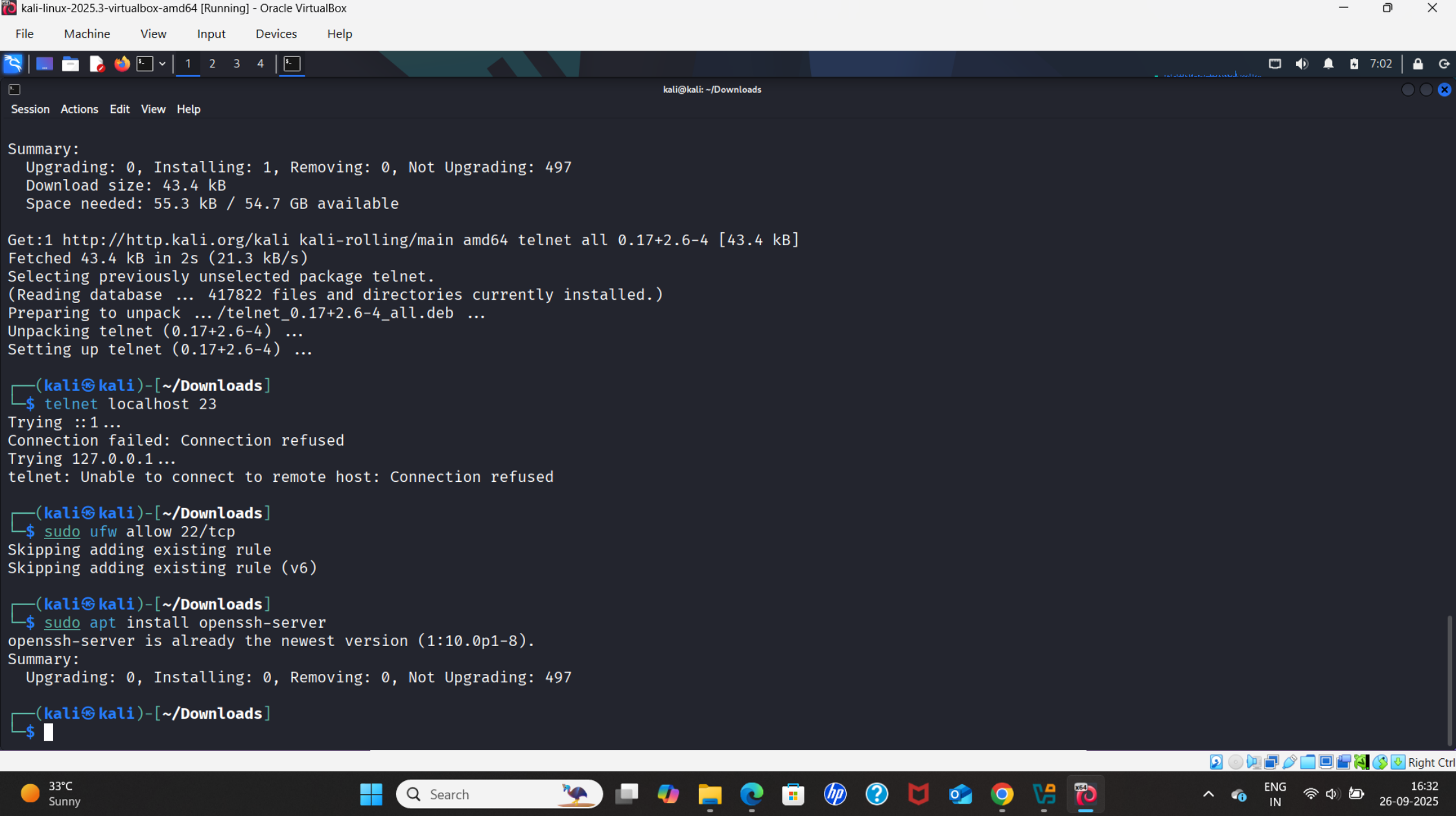
Preparing to unpack .../telnet_0.17+2.6-4_all.deb ...

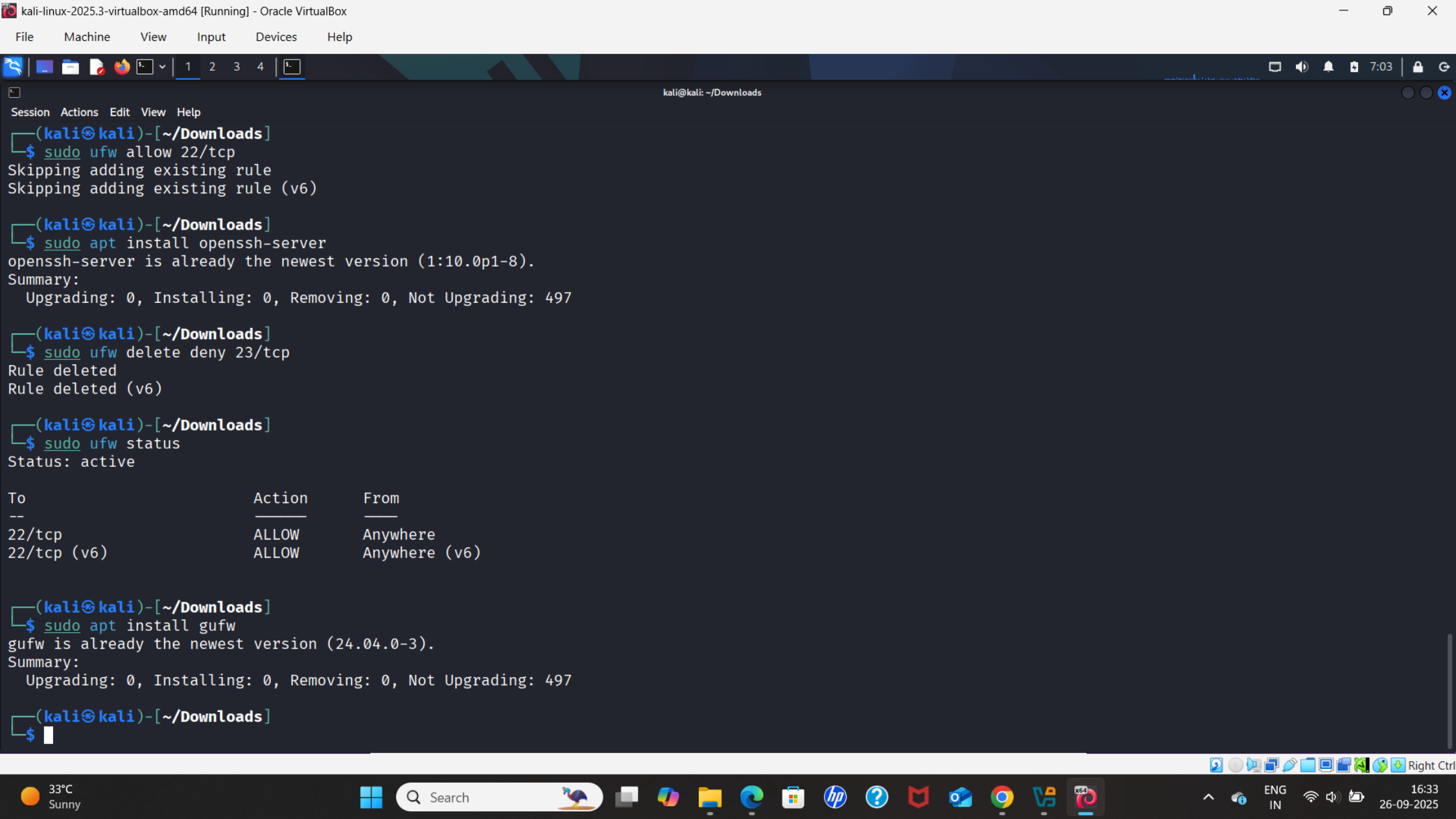
Unpacking telnet (0.17+2.6-4) ...

Setting up telnet (0.17+2.6-4) ...

(kali@kali)-[~/Downloads]

\$





```
kali@kali: ~/Downloads

(kali@kali)~$ sudo ufw allow 22/tcp
Skipping adding existing rule
Skipping adding existing rule (v6)

(kali@kali)~$ sudo apt install openssh-server
openssh-server is already the newest version (1:10.0p1-8).
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 497

(kali@kali)~$ sudo ufw delete deny 23/tcp
Rule deleted
Rule deleted (v6)

(kali@kali)~$ sudo ufw status
Status: active

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

(kali@kali)~$ sudo apt install gufw
gufw is already the newest version (24.04.0-3).
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 497

(kali@kali)~$
```

```
(kali@kali)-[~/Downloads]
$ sudo apt update && sudo apt install ufw
[sudo] password for kali:
Hit:1 http://http.kali.org/kali kali-rolling InRelease
497 packages can be upgraded. Run 'apt list --upgradable' to see them.
ufw is already the newest version (0.36.2-9).
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 497
```

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

```
(kali@kali)-[~/Downloads]
$ sudo ufw verbose
Status: active
```

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

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

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