

Linux activity –2 (command)

NAME : Pranav H Raikar

USN: ENG24CY0041

CY (3B) 39

tree options (man tree) tree -a

List all files, including hidden ones.

tree -d

List directories only, not files.

tree -u

Show the user owner of each file.

tree -g

Show the group owner of each file.

tree -p

Show the permissions (rwx) of each file.

Exploring More Commands ifconfig

Show or configure network interfaces.

Displays IP address, MAC address, etc.

ping

Test connectivity by sending ICMP packets to a host.

Example: ping google.com PING google.com

```
└─(kali㉿kali)-[~]
```

```
└─$ ping 8.8.8.8
```

PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.

64 bytes from 8.8.8.8: icmp_seq=2 ttl=111 time=112 ms

64 bytes from 8.8.8.8: icmp_seq=3 ttl=111 time=92.6 ms

64 bytes from 8.8.8.8: icmp_seq=4 ttl=111 time=75.3 ms

64 bytes from 8.8.8.8: icmp_seq=5 ttl=111 time=79.6 ms

64 bytes from 8.8.8.8: icmp_seq=6 ttl=111 time=103 ms

64 bytes from 8.8.8.8: icmp_seq=7 ttl=111 time=69.4 ms

64 bytes from 8.8.8.8: icmp_seq=8 ttl=111 time=58.8 ms

64 bytes from 8.8.8.8: icmp_seq=10 ttl=111 time=123 ms

64 bytes from 8.8.8.8: icmp_seq=11 ttl=111 time=56.7 ms

64 bytes from 8.8.8.8: icmp_seq=12 ttl=111 time=141 ms

64 bytes from 8.8.8.8: icmp_seq=13 ttl=111 time=303 ms

64 bytes from 8.8.8.8: icmp_seq=14 ttl=111 time=826 ms

64 bytes from 8.8.8.8: icmp_seq=15 ttl=111 time=95.2 ms

64 bytes from 8.8.8.8: icmp_seq=16 ttl=111 time=363 ms

64 bytes from 8.8.8.8: icmp_seq=17 ttl=111 time=89.3 ms

64 bytes from 8.8.8.8: icmp_seq=18 ttl=111 time=159 ms

64 bytes from 8.8.8.8: icmp_seq=19 ttl=111 time=45.0 ms

64 bytes from 8.8.8.8: icmp_seq=20 ttl=111 time=60.7 ms

64 bytes from 8.8.8.8: icmp_seq=21 ttl=111 time=54.3 ms

64 bytes from 8.8.8.8: icmp_seq=22 ttl=111 time=98.0 ms

64 bytes from 8.8.8.8: icmp_seq=23 ttl=111 time=71.4 ms

64 bytes from 8.8.8.8: icmp_seq=24 ttl=111 time=63.3 ms

64 bytes from 8.8.8.8: icmp_seq=25 ttl=111 time=93.2 ms

```

64 bytes from 8.8.8.8: icmp_seq=27 ttl=111 time=268 ms

64 bytes from 8.8.8.8: icmp_seq=28 ttl=111 time=60.1 ms

64 bytes from 8.8.8.8: icmp_seq=29 ttl=111 time=313 ms

64 bytes from 8.8.8.8: icmp_seq=29 ttl=111 time=382 ms (DUP!)

64 bytes from 8.8.8.8: icmp_seq=29 ttl=111 time=382 ms (DUP!)

64 bytes from 8.8.8.8: icmp_seq=29 ttl=111 time=382 ms (DUP!)

64 bytes from 8.8.8.8: icmp_seq=31 ttl=111 time=85.8 ms

^C

--- 8.8.8.8 ping statistics ---

31 packets transmitted, 27 received, +3 duplicates, 12.9032% packet loss, time 30149ms

rtt min/avg/max/mdev = 44.963/170.250/826.480/165.821 ms

```

traceroute

Show the path packets take to reach a host.

Example: `traceroute google.com`

```

—(kali🌐kali)-[~] —$ traceroute google.com traceroute to google.com
(142.250.183.238), 30 hops max, 60 byte packets 1 192.168.64.1
(192.168.64.1) 0.290 ms * 0.254 ms 2 10.189.117.188 (10.189.117.188) 11.094
ms 11.081 ms 11.073 ms 3 255.0.0.0 (255.0.0.0) 54.704 ms 54.695 ms 62.210
ms 4 255.0.0.2 (255.0.0.2) 64.592 ms 63.998 ms 65.179 ms 5 255.0.0.3
(255.0.0.3) 63.062 ms 62.890 ms 63.313 ms 6 192.168.225.147
(192.168.225.147) 68.242 ms 62.814 ms 63.564 ms 7 192.168.233.32
(192.168.233.32) 57.509 ms 192.168.151.225 (192.168.151.225) 51.555 ms
192.168.233.32 (192.168.233.32) 49.733 ms 8 * * 192.168.151.222
(192.168.151.222) 22.892 ms 9 * * * 10 * * * 11 * * * 12 209.85.175.48
(209.85.175.48) 32.054 ms * * 13 * 209.85.175.48 (209.85.175.48) 66.984 ms *
14 * * * 15 142.251.230.70 (142.251.230.70) 134.336 ms 216.239.54.196
(216.239.54.196) 133.869 ms 209.85.248.180 (209.85.248.180) 135.696 ms 16
72.14.235.151 (72.14.235.151) 133.688 ms 142.250.239.56 (142.250.239.56)
128.755 ms 142.251.227.235 (142.251.227.235) 129.436 ms 17

```

209.85.143.186 (209.85.143.186) 130.066 ms 192.178.252.108
(192.178.252.108) 128.953 ms 192.178.252.124 (192.178.252.124) 130.164
ms 18 192.178.83.215 (192.178.83.215) 130.498 ms 192.178.252.82
(192.178.252.82) 128.627 ms 216.239.54.93 (216.239.54.93) 129.337 ms 19
216.239.62.219 (216.239.62.219) 129.500 ms 142.251.76.173
(142.251.76.173) 87.104 ms 216.239.50.23 (216.239.50.23) 87.016 ms 20
maa05s23-in-f14.1e100.net (142.250.183.238) 87.907 ms 142.251.76.175
(142.251.76.175) 93.091 ms maa05s23-in-f14.1e100.net (142.250.183.238)
93.070 ms

nmap

Network scanner: find open ports, services, and hosts. Example: nmap
192.168.1.1

mkdir

Make a new directory. Example:

(pranav@kali)-mkdir pranv.txt

└─\$ ls

Desktop Documents Downloads hi Music Pictures Public Templates Videos