

# TRACEROUTE , PING , IPCONFIG , IFCONFIG , NETSTAT

**Ex No: 8**

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**Aim :**

TO execute TRACEROUTE , PING , IPCONFIG , IFCONFIG , NETSTAT Commands.

## Procedure

- OPEN KALI LINUX.
- OPEN ROOT TERMINAL.
- Type IFCONFIG command to find Linux configuration.
- Open Windows Command prompt.
- Type the following Commands – TRACEROUTE , PING , NETSTAT

**Output :**

**tracert saveetha.com**

```
PS C:\Users\VISHNU VARDHAN\OneDrive\Desktop> tracert saveetha.com

Tracing route to saveetha.com [198.185.159.145]
over a maximum of 30 hops:

  1    5 ms     6 ms     4 ms   192.168.104.138
  2    *        600 ms   *       192.168.29.10
  3    *        312 ms   317 ms   192.168.28.129
  4    *        385 ms   279 ms   192.168.31.22
  5   308 ms    *        *        192.168.31.24
  6    *        *        409 ms   192.168.31.33
  7    *        *        *        Request timed out.
  8   469 ms   387 ms    *       nsq-corporate-173.101.187.122.airtel.in [122.187.101.173]
  9   353 ms   309 ms   377 ms   182.79.245.225
 10    *        362 ms    *       a96-6-150-208.deploy.static.akamaitechnologies.com [96.6.150.208]
 11    *        916 ms   590 ms   a72-52-39-154.deploy.static.akamaitechnologies.com [72.52.39.154]
 12   694 ms    *        *       198.185.159.145
 13   661 ms   863 ms   708 ms   198.185.159.145

Trace complete.
```

**Windows ipconfig**

```

PS C:\Users\VISHNU VARDHAN\OneDrive\Desktop> ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : saveetha.net

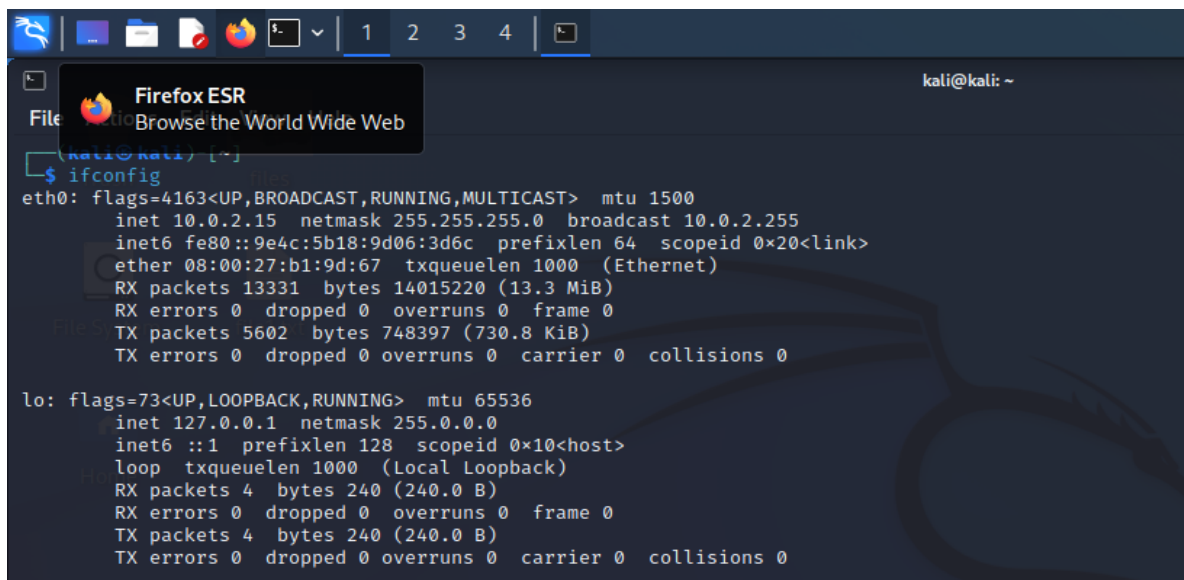
Ethernet adapter VirtualBox Host-Only Network:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::48aa:9512:5b6e:4b18%43
    IPv4 Address. . . . . : 192.168.56.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . :

Wireless LAN adapter Local Area Connection* 1:

```

## Linux ifconfig



```

kali@kali: ~
$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::9e4c:5b18:9d06:3d6c prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:b1:9d:67 txqueuelen 1000 (Ethernet)
    RX packets 13331 bytes 14015220 (13.3 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5602 bytes 748397 (730.8 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 4 bytes 240 (240.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 4 bytes 240 (240.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```

## Ping command

```

PS C:\Users\VISHNU VARDHAN\OneDrive\Desktop> ping 192.168.104.138

Pinging 192.168.104.138 with 32 bytes of data:
Reply from 192.168.104.138: bytes=32 time=10ms TTL=64
Reply from 192.168.104.138: bytes=32 time=23ms TTL=64
Reply from 192.168.104.138: bytes=32 time=42ms TTL=64
Reply from 192.168.104.138: bytes=32 time=16ms TTL=64

Ping statistics for 192.168.104.138:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 10ms, Maximum = 42ms, Average = 22ms

```

## Netstat command

```

PS C:\Users\VISHNU VARDHAN\OneDrive\Desktop> netstat

Active Connections

Proto Local Address           Foreign Address         State
TCP    192.168.104.17:56730    lb-140-82-112-26-iad:https ESTABLISHED
TCP    192.168.104.17:56733    20.198.119.84:https    ESTABLISHED
TCP    192.168.104.17:56745    20.198.119.84:https    ESTABLISHED
TCP    192.168.104.17:56868    55:https               ESTABLISHED
TCP    192.168.104.17:56983    178:https              ESTABLISHED
TCP    192.168.104.17:57020    178:https              ESTABLISHED
TCP    192.168.104.17:57022    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57023    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57024    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57025    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57026    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57027    a23-200-238-218:https  CLOSE_WAIT
TCP    192.168.104.17:57036    a-0001:https           ESTABLISHED
TCP    192.168.104.17:57148    104.40.53.219:https    CLOSE_WAIT
TCP    192.168.104.17:57180    52.182.143.208:https   ESTABLISHED
TCP    192.168.104.17:57181    static:https           ESTABLISHED
TCP    192.168.104.17:57182    static:https           CLOSE_WAIT
TCP    192.168.104.17:57183    static:https           CLOSE_WAIT
TCP    192.168.104.17:57184    static:https           CLOSE_WAIT
TCP    192.168.104.17:57185    static:https           CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:56731  whatsapp-cdn6-shv-01-tir2:https ESTABLISHED
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:56750  se-in-f188:5228        ESTABLISHED
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57041  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57042  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57043  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57044  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57045  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57046  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57047  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
TCP    [2401:4900:6290:7382:a992:c5e:9dc5:bb87]:57048  g2600-140f-2400-0000-0000-0000-173b-af6a:https CLOSE_WAIT
PS C:\Users\VISHNU VARDHAN\OneDrive\Desktop>

```

## Result :

Hence the given commands is executed.