

## ETHICAL HACKING

### EXPERIMENT 8 – TRACEROUTE , PING , IPCONFIG , IFCONFIG , NETSTAT

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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:

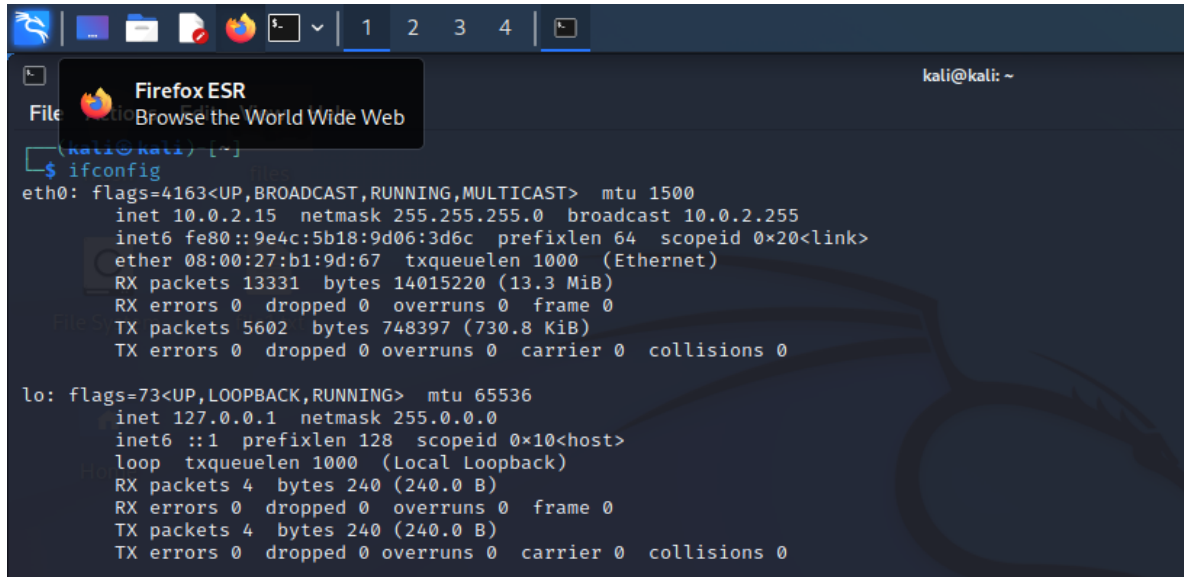
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : saveetha.net

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 . . . . . :

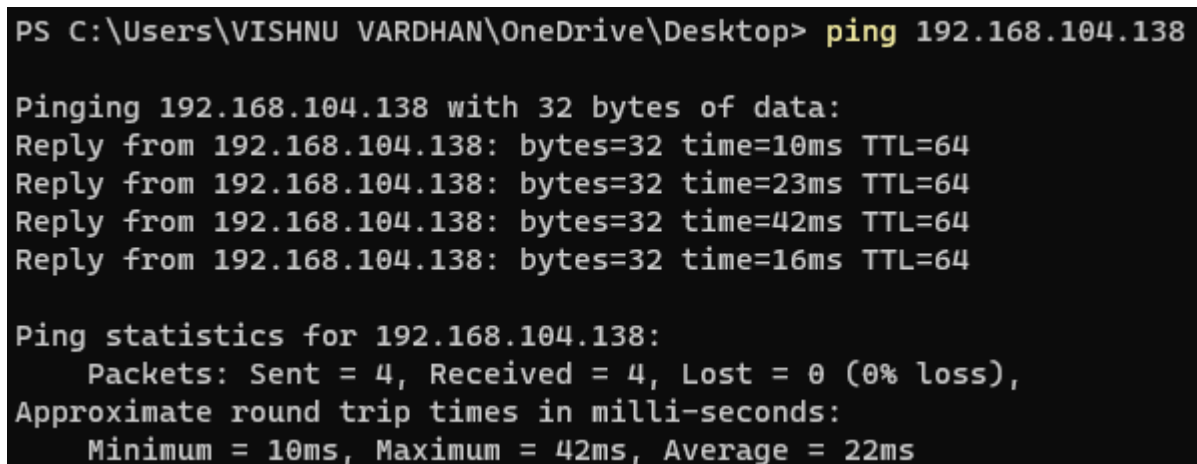
Wireless LAN adapter Local Area Connection* 1:
```

## 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> |
```