

## Using TraceRoute, ping, ifconfig(LINUX), ipconfig(WINDOWS), and netstat Command.

```
Microsoft Windows [Version 10.0.22000.978]
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C:\Users\Manideep>tracert amazon.com

Tracing route to amazon.com [52.94.236.248]
over a maximum of 30 hops:

  0  4 ms  6 ms  5 ms  172.18.48.1
  1  3 ms  2 ms  2 ms  172.22.3.1
  2 15 ms  4 ms  4 ms  172.22.7.2
  3 *      13 ms  8 ms  ptpl-as56272-rev-241.121.235.180-chn.pulse.in [180.235.121.241]
  4 15 ms 12 ms 13 ms 61.95.248.189
  5 145 ms *      159 ms 116.119.35.52
  6 140 ms 139 ms 140 ms mei-b5-link.ip.twelve99.net [62.115.34.8]
  7 151 ms 150 ms 149 ms prs-bb1-link.ip.twelve99.net [62.115.124.54]
  8 *      226 ms 229 ms ash-bb2-link.ip.twelve99.net [62.115.112.242]
  9 236 ms 234 ms *      ash-b2-link.ip.twelve99.net [62.115.123.125]
 10 234 ms *      229 ms vadata-ic333120-ash-b2.ip.twelve99-cust.net [62.115.11.249]
 11 237 ms *      238 ms 52.46.164.96
 12 *      251 ms *      52.46.164.105
 13 *      *      *      Request timed out.
 14 *      233 ms 234 ms 52.46.164.84
 15 *      *      *      Request timed out.
 16 234 ms 232 ms 230 ms 52.93.29.22
 17 *      *      *      Request timed out.
 18 *      *      *      Request timed out.
 19 *      *      *      Request timed out.
 20 *      *      *      Request timed out.
 21 *      *      *      Request timed out.
 22 *      *      *      Request timed out.
 23 *      *      *      Request timed out.
 24 *      *      *      Request timed out.
 25 *      *      *      Request timed out.
 26 *      *      *      Request timed out.
 27 *      *      *      Request timed out.
 28 233 ms 229 ms 232 ms 52.94.236.248

Trace complete.
```

```
C:\Users\Manideep>ping 172.18.48.1

Pinging 172.18.48.1 with 32 bytes of data:
Request timed out.
Reply from 172.18.48.1: bytes=32 time=4ms TTL=255
Reply from 172.18.48.1: bytes=32 time=7ms TTL=255
Reply from 172.18.48.1: bytes=32 time=11ms TTL=255

Ping statistics for 172.18.48.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 11ms, Average = 7ms
```

```
C:\Users\Manideep>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

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

Wireless LAN adapter Local Area Connection* 1:

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

Wireless LAN adapter Local Area Connection* 2:

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

Ethernet adapter VMware Network Adapter VMnet1:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::bd7a:9476:3d3b:d96d%4
   IPv4 Address. . . . . : 192.168.78.1
   Subnet Mask . . . . . : 255.255.255.0
   Default Gateway . . . . . :

Ethernet adapter VMware Network Adapter VMnet8:

   Connection-specific DNS Suffix  . :
   Link-local IPv6 Address . . . . . : fe80::3bf2:ebf9:e40b:7bdd%12
   IPv4 Address. . . . . : 192.168.247.1
   Subnet Mask . . . . . : 255.255.255.0
   Default Gateway . . . . . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : saveetha.net
   Link-local IPv6 Address . . . . . : fe80::92e:7d45:79e1:eefex%14
   IPv4 Address. . . . . : 172.18.55.46
   Subnet Mask . . . . . : 255.255.240.0
   Default Gateway . . . . . : 172.18.48.1

Ethernet adapter Bluetooth Network Connection:

   Media State . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
```