

```
Command Prompt
-f          Set Don't Fragment flag in packet (IPv4-only).
-i TTL      Time To Live.
-v TOS      Type Of Service (IPv4-only. This setting has been deprecated
            and has no effect on the type of service field in the IP
            Header).
-r count    Record route for count hops (IPv4-only).
-s count    Timestamp for count hops (IPv4-only).
-j host-list Loose source route along host-list (IPv4-only).
-k host-list Strict source route along host-list (IPv4-only).
-w timeout  Timeout in milliseconds to wait for each reply.
-R          Use routing header to test reverse route also (IPv6-only).
            Per RFC 5895 the use of this routing header has been
            deprecated. Some systems may drop echo requests if
            this header is used.
-S srcaddr  Source address to use.
-c compartment Routing compartment identifier.
-p          Ping a Hyper-V Network Virtualization provider address.
-q          Force using IPv4.
-Q          Force using IPv6.

C:\Users\katak> pppping
'ppppping' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak> ping 198.49.23.144
'ping198.49.23.144' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak> ping 198.159.144
'ping198.159.144' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak> ping 198.49.23.144

Pinging 198.49.23.144 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

C:\Users\katak> ping www.saveetha.com

Pinging www.saveetha.com [198.185.159.144] with 32 bytes of data:
Request timed out.
Reply from 198.185.159.144: bytes=32 time=751ms TTL=51
Reply from 198.185.159.144: bytes=32 time=950ms TTL=51
Reply from 198.185.159.144: bytes=32 time=795ms TTL=51

Ping statistics for 198.185.159.144:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 751ms, Maximum = 950ms, Average = 832ms

C:\Users\katak> ping www.geeksforgeeks.com
Ping request could not find host www.geeksforgeeks.com. Please check the name and try again.

C:\Users\katak> ping www.geeksforgeeks.com

Pinging www.geeksforgeeks.com [199.59.243.223] with 32 bytes of data:
Reply from 199.59.243.223: bytes=32 time=1463ms TTL=118
Request timed out.
Request timed out.
Reply from 199.59.243.223: bytes=32 time=485ms TTL=118

Ping statistics for 199.59.243.223:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 485ms, Maximum = 1463ms, Average = 974ms

C:\Users\katak> ip config
'ip' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak> ipconfig
```

```
Command Prompt
C:\Users\katak>ip config
'ip' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet 3:

    Connection-specific DNS Suffix  . : 
    Link-local IPv6 Address . . . . . : fe80::11fe:f8cb:2987:8ed6%13
    IPv4 Address. . . . . : 192.168.166.1
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 

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  . : 

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : 
    IPv6 Address. . . . . : 2401:4900:6297:b648:d7fe:53b4:8b1a:2c4
    Temporary IPv6 Address. . . . . : 2401:4900:6297:b648:bd30:c206:90be:8222
    Link-local IPv6 Address . . . . . : fe80::1aef:f71b:b594:ee36%16
    IPv4 Address. . . . . : 192.168.144.192
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::64e1:8dff:feb3:7a4b%16
                                192.168.144.119

C:\Users\katak>netstat
'netstat' is not recognized as an internal or external command,
operable program or batch file.

Command Prompt
'netstat' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak>netstat

Active Connections

Proto Local Address           Foreign Address         State
TCP    192.168.144.192:58346    20.198.118.190:https    ESTABLISHED
TCP    192.168.144.192:59311  a23-200-238-218:https   CLOSE_WAIT
TCP    192.168.144.192:59343  40.99.34.210:https      ESTABLISHED
TCP    192.168.144.192:59357  a23-200-238-241:https   CLOSE_WAIT
TCP    192.168.144.192:59373  204.79.197.254:https    ESTABLISHED
TCP    192.168.144.192:59424  52.156.147.113:https    TIME_WAIT
TCP    192.168.144.192:59426  whatsapp-cdn-shv-02-maa2:https ESTABLISHED
TCP    192.168.144.192:59427  whatsapp-cdn-shv-02-tir2:https CLOSE_WAIT
TCP    192.168.144.192:59429  52.156.147.113:https    FIN_WAIT_2
TCP    192.168.144.192:59431  116.119.92.227:https    ESTABLISHED
TCP    192.168.144.192:59432  whatsapp-cdn-shv-01-maa2:https ESTABLISHED
TCP    [2401:4900:6297:b648:bd30:c206:90be:8222]:59395 g2600-140f-4200-0000-0000-17c9-35a2:https ESTABLISHED

C:\Users\katak>netstat -a
'netstat-a' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\katak>netstat -a

Active Connections

Proto Local Address           Foreign Address         State
TCP    0.0.0.0:135            RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:445            RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:3386           RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:5040           RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:6646           RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49664          RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49665          RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49666          RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49667          RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49668          RAKESHREDDY:0          LISTENING
TCP    0.0.0.0:49670          RAKESHREDDY:0          LISTENING
```

```
Command Prompt
TCP [::]:49666 RAKESHREDDY:0 LISTENING
TCP [::]:49667 RAKESHREDDY:0 LISTENING
TCP [::]:49668 RAKESHREDDY:0 LISTENING
TCP [::]:49670 RAKESHREDDY:0 LISTENING
TCP [::]:50131 RAKESHREDDY:0 LISTENING
TCP [::]:49669 RAKESHREDDY:0 LISTENING
TCP [2401:4900:6297:b648:bd30:c206:90be:8222]:59395 g2600-140f-4200-0000-0000-17c9-35a2:https ESTABLISHED
UDP 0.0.0.0:500 **
UDP 0.0.0.0:4500 **
UDP 0.0.0.0:5050 **
UDP 0.0.0.0:5353 **
UDP 0.0.0.0:5353 **
UDP 0.0.0.0:5353 **
UDP 0.0.0.0:5353 **
UDP 0.0.0.0:5355 **
UDP 0.0.0.0:6646 **
UDP 0.0.0.0:63602 **
UDP 127.0.0.1:1900 **
UDP 127.0.0.1:58129 127.0.0.1:58129
UDP 127.0.0.1:61112 127.0.0.1:61112
UDP 127.0.0.1:62777 **
UDP 192.168.56.1:137 **
UDP 192.168.56.1:138 **
UDP 192.168.56.1:1900 **
UDP 192.168.56.1:62775 **
UDP 192.168.144.192:137 **
UDP 192.168.144.192:138 **
UDP 192.168.144.192:1900 **
UDP 192.168.144.192:62776 **
UDP [::]:500 **
UDP [::]:4500 **
UDP [::]:5353 **
UDP [::]:5353 **
UDP [::]:5355 **
UDP [::]:63602 **
UDP [::]:1900 **
UDP [::]:62774 **
UDP [fe80::11fe:f8cb:2987:8ed6%13]:1900 **
UDP [fe80::11fe:f8cb:2987:8ed6%13]:62772 **
```

```
Command Prompt
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\katak> tracert www.saveetha.com

Tracing route to www.saveetha.com [198.185.159.144]
over a maximum of 30 hops:

  0  ms      8  ms      9  ms  192.168.144.119
  1  864 ms    *      773 ms 192.168.29.10
  2  *      *      *      Request timed out.
  3  488 ms    621 ms 383 ms 192.168.31.11
  4  640 ms    *      673 ms 192.168.31.6
  5  *      *      *      Request timed out.
  6  *      *      *      Request timed out.
  7  *      *      *      Request timed out.
  8  *      *      *      Request timed out.
  9  547 ms    1020 ms 922 ms 116.119.109.237
 10  665 ms    542 ms *      182.79.245.225
 11  379 ms    *      650 ms a96-6-150-210.deploy.static.akamaitechnologies.com [96.6.150.210]
 12  1035 ms   819 ms 785 ms a2-19-7-20.deploy.static.akamaitechnologies.com [2.19.7.20]
 13  616 ms    *      928 ms 198.185.159.144

Trace complete.

C:\Users\katak>ping

Usage: ping [-t] [-a] [-n count] [-l size] [-f] [-i TTL] [-v TOS]
          [-r count] [-s count] [[-j host-list] | [-k host-list]]
          [-w timeout] [-R] [-S srcaddr] [-c compartment] [-p]
          [-4] [-6] target_name

Options:
-t          Ping the specified host until stopped.
            To see statistics and continue - type Control-Break;
            To stop - type Control-C.
-a          Resolve addresses to hostnames.
-n count    Number of echo requests to send.
-l size     Send buffer size.
-f          Set Don't Fragment flag in packet (IPv4-only).
-i TTL      Time To Live.
-v TOS      Type Of Service (IPv4-only. This setting has been deprecated)
```