

Ping google

Command Prompt

```
C:\Users\sct>ping www.google.com

Pinging www.google.com [142.250.184.132] with 32 bytes of data:
Reply from 142.250.184.132: bytes=32 time=44ms TTL=55
Request timed out.
Reply from 142.250.184.132: bytes=32 time=44ms TTL=55
Request timed out.

Ping statistics for 142.250.184.132:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 44ms, Maximum = 44ms, Average = 44ms

C:\Users\sct>
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Ipconfig & ipconfig /all

```
IP address must be specified.

C:\Users\sct>ipconfig

Windows IP Configuration

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : dhcp_ntp_mrtg.dhcp.local
    Link-local IPv6 Address . . . . . : fe80::2dca:f0b0:73d2:659b%15
    IPv4 Address. . . . . : 192.168.167.186
    Subnet Mask . . . . . : 255.255.254.0
    Default Gateway . . . . . : 192.168.166.1

C:\Users\sct>ipconfig /all

Windows IP Configuration

    Host Name . . . . . : CTL224X18
    Primary Dns Suffix . . . . . :
    Node Type . . . . . : Hybrid
    IP Routing Enabled. . . . . : No
    WINS Proxy Enabled. . . . . : No
    DNS Suffix Search List. . . . . : dhcp_ntp_mrtg.dhcp.local

Ethernet adapter Ethernet:

    Connection-specific DNS Suffix  . : dhcp_ntp_mrtg.dhcp.local
    Description . . . . . : Realtek PCIe GBE Family Controller
    Physical Address. . . . . : 90-2B-34-78-57-B4
    DHCP Enabled. . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::2dca:f0b0:73d2:659b%15(Preferred)
    IPv4 Address. . . . . : 192.168.167.186(Preferred)
    Subnet Mask . . . . . : 255.255.254.0
    Lease Obtained. . . . . : Wednesday, October 12, 2022 2:30:01 PM
    Lease Expires . . . . . : Monday, October 17, 2022 3:14:57 PM
    Default Gateway . . . . . : 192.168.166.1
    DHCP Server . . . . . : 193.140.41.177
    DHCPv6 IAID . . . . . : 59779892
    DHCPv6 Client DUID. . . . . : 00-01-00-01-25-BB-2A-54-90-2B-34-78-57-B4
    DNS Servers . . . . . : 193.140.173.192
                             8.8.8.8
    NetBIOS over Tcpip. . . . . : Enabled

C:\Users\sct>
```

Ipconfig -?

```
C:\Users\sct>ipconfig -?

USAGE:
    ipconfig [/allcompartments] [/? | /all |
        /renew [adapter] | /release [adapter] |
        /renew6 [adapter] | /release6 [adapter] |
        /flushdns | /displaydns | /registerdns |
        /showclassid adapter |
        /setclassid adapter [classid] |
        /showclassid6 adapter |
        /setclassid6 adapter [classid] ]

where
    adapter          Connection name
                     (wildcard characters * and ? allowed, see examples)

Options:
    /?              Display this help message
    /all            Display full configuration information.
    /release        Release the IPv4 address for the specified adapter.
    /release6       Release the IPv6 address for the specified adapter.
    /renew          Renew the IPv4 address for the specified adapter.
    /renew6         Renew the IPv6 address for the specified adapter.
    /flushdns       Purges the DNS Resolver cache.
    /registerdns    Refreshes all DHCP leases and re-registers DNS names
    /displaydns     Display the contents of the DNS Resolver Cache.
    /showclassid    Displays all the dhcp class IDs allowed for adapter.
    /setclassid     Modifies the dhcp class id.
    /showclassid6   Displays all the IPv6 DHCP class IDs allowed for adapter.
    /setclassid6    Modifies the IPv6 DHCP class id.

The default is to display only the IP address, subnet mask and
default gateway for each adapter bound to TCP/IP.

For Release and Renew, if no adapter name is specified, then the IP address
leases for all adapters bound to TCP/IP will be released or renewed.

For Setclassid and Setclassid6, if no ClassId is specified, then the ClassId is removed.

Examples:
    > ipconfig          ... Show information
    > ipconfig /all      ... Show detailed information
    > ipconfig /renew    ... renew all adapters
    > ipconfig /renew EL* ... renew any connection that has its
                        name starting with EL
    > ipconfig /release *Con* ... release all matching connections,
                        eg. "Wired Ethernet Connection 1" or
```

Tracert www.google.com

```
> ipconfig /allcompartments /all ... Show detailed information about all
compartments

C:\Users\sct>tracert www.google.com

Tracing route to www.google.com [142.250.184.132]
over a maximum of 30 hops:

  1  <1 ms    <1 ms    <1 ms    192.168.166.1
  2  <1 ms    <1 ms    <1 ms    193.140.41.10
  3  <1 ms    <1 ms    <1 ms    193.140.41.14
  4  10 ms    10 ms    10 ms    212.156.79.29.static.turktelekom.com.tr [212.156.79.29]
  5  15 ms    15 ms    15 ms    01-adana-xrs-t2-2---98-lefkosa-t3-2.statik.turktelekom.com.tr [81.212.218.34]
  6  30 ms    30 ms    30 ms    35-izmir-xrs-t2-2---01-adana-xrs-t2-2.statik.turktelekom.com.tr [81.212.219.150]
  7  30 ms    30 ms    30 ms    35-ebgp-izmir-sr12e-k---35-izmir-xrs-t2-2.statik.turktelekom.com.tr [81.212.30.7]
  8  45 ms    45 ms    45 ms    307-sof-col-1---35-izmir-xrs-t2-2.statik.turktelekom.com.tr [212.156.104.160]
  9  45 ms    45 ms    45 ms    72.14.215.230
 10  43 ms    43 ms    *        216.239.62.49
 11  42 ms    42 ms    42 ms    142.250.212.23
 12  44 ms    44 ms    *        sof02s43-in-f4.1e100.net [142.250.184.132]
 13  45 ms    44 ms    44 ms    sof02s43-in-f4.1e100.net [142.250.184.132]

Trace complete.

C:\Users\sct>
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Netstat

Trace complete.

C:\Users\sct>netstat

Active Connections

Proto	Local Address	Foreign Address	State
TCP	127.0.0.1:49678	CTL224X18:49679	ESTABLISHED
TCP	127.0.0.1:49679	CTL224X18:49678	ESTABLISHED
TCP	127.0.0.1:49680	CTL224X18:49681	ESTABLISHED
TCP	127.0.0.1:49681	CTL224X18:49680	ESTABLISHED
TCP	192.168.167.186:49729	20.199.120.151:https	ESTABLISHED
TCP	192.168.167.186:50223	sof02s43-in-f4:https	TIME_WAIT
TCP	192.168.167.186:50225	195:https	CLOSE_WAIT
TCP	192.168.167.186:50277	20.189.173.1:https	TIME_WAIT
TCP	192.168.167.186:50278	52.109.89.13:http	TIME_WAIT
TCP	192.168.167.186:50280	52.111.229.4:https	ESTABLISHED
TCP	192.168.167.186:50281	52.109.76.140:https	ESTABLISHED
TCP	192.168.167.186:50282	93.184.220.29:http	ESTABLISHED
TCP	192.168.167.186:50283	sof02s43-in-f4:https	ESTABLISHED
TCP	192.168.167.186:50284	sof02s43-in-f4:https	CLOSE_WAIT
TCP	192.168.167.186:50285	sof02s43-in-f4:https	CLOSE_WAIT
TCP	192.168.167.186:50286	sof02s44-in-f14:https	ESTABLISHED
TCP	192.168.167.186:50287	193.140.13.74:http	ESTABLISHED

C:\Users\sct>

Nslookup

```
C:\Users\Vuuxe>nslookup
Default Server: UnKnown
Address: 192.168.0.1

> _
```

Q1-) Some of the commands didn't work.

Q2-) I tried some other version of these commands. Some of them worked but some didn't.