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Command Prompt

Microsoft Windows [Version 10.0.18362.30]
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C:\Users\Admin>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* 10:

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

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : saveetha.net
   Link-local IPv6 Address . . . . . : fe80::2cb2:8c76:b509:93c0%13
   IPv4 Address. . . . . . . . . . . : 172.17.74.214
   Subnet Mask . . . . . . . . . . . : 255.255.240.0
   Default Gateway . . . . . . . . . : 172.17.64.1

Ethernet adapter Bluetooth Network Connection:

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

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C:\Users\Admin>ipconfig/all

Windows IP Configuration

   Host Name . . . . . . . . . . . . : DESKTOP-O5UJUOF
   Primary Dns Suffix  . . . . . . . :
   Node Type . . . . . . . . . . . . : Hybrid
   IP Routing Enabled. . . . . . . . : No
   WINS Proxy Enabled. . . . . . . . : No
   DNS Suffix Search List. . . . . . : saveetha.net

Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Intel(R) Ethernet Connection (2) I219-LM
   Physical Address. . . . . . . . . : D4-81-D7-ED-CA-10
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
   Physical Address. . . . . . . . . : 14-AB-C5-C6-BC-78
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 10:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :
   Description . . . . . . . . . . . : Microsoft Wi-Fi Direct Virtual Adapter #2
   Physical Address. . . . . . . . . : 16-AB-C5-C6-BC-77
   DHCP Enabled. . . . . . . . . . . : Yes
   Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Wi-Fi:
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Select Command Prompt

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . : saveetha.net
    Description . . . . . . . . . . . : Intel(R) Dual Band Wireless-AC 8260
    Physical Address. . . . . . . . . : 14-AB-C5-C6-BC-77
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes
    Link-local IPv6 Address . . . . . : fe80::2cb2:8c76:b509:93c0%13(Preferred)
    IPv4 Address. . . . . . . . . . . : 172.17.74.214(Preferred)
    Subnet Mask . . . . . . . . . . . : 255.255.240.0
    Lease Obtained. . . . . . . . . . : 09 September 2022 22:17:53
    Lease Expires . . . . . . . . . . : 13 September 2022 22:17:53
    Default Gateway . . . . . . . . . : 172.17.64.1
    DHCP Server . . . . . . . . . . . : 172.21.100.1
    DHCPv6 IAID . . . . . . . . . . . : 219458501
    DHCPv6 Client DUID. . . . . . . . : 00-01-00-01-2A-A3-47-00-D4-81-D7-ED-CA-10
    DNS Servers . . . . . . . . . . . : 172.21.100.31
                                        172.21.100.133
                                        172.21.100.122
                                        172.21.100.124
    NetBIOS over Tcpip. . . . . . . . : Enabled

Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . . . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
    Description . . . . . . . . . . . : Bluetooth Device (Personal Area Network)
    Physical Address. . . . . . . . . : 14-AB-C5-C6-BC-7B
    DHCP Enabled. . . . . . . . . . . : Yes
    Autoconfiguration Enabled . . . . : Yes

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Command Prompt - nslookup

C:\Users\Admin>nslookup
Default Server:  s3.saveetha.net
Address:  172.21.100.31

> www.google.com
Server:  s3.saveetha.net
Address:  172.21.100.31

Non-authoritative answer:
Name:     www.google.com
Addresses:  2404:6800:4002:80d::2004
          142.250.196.36

>
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Command Prompt

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C:\Users\Admin>nslookup
Default Server:  s3.saveetha.net
Address:  172.21.100.31

> www.google.com
Server:  s3.saveetha.net
Address:  172.21.100.31

Non-authoritative answer:
Name:     www.google.com
Addresses:  2404:6800:4007:81d::2004
          142.250.196.164

>
C:\Users\Admin>ping 142.250.196.164

Pinging 142.250.196.164 with 32 bytes of data:
Reply from 142.250.196.164: bytes=32 time=10ms TTL=56
Reply from 142.250.196.164: bytes=32 time=10ms TTL=56
Reply from 142.250.196.164: bytes=32 time=9ms TTL=56
Request timed out.

Ping statistics for 142.250.196.164:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 9ms, Maximum = 10ms, Average = 9ms

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Command Prompt

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C:\Users\Admin>tracert

Usage: tracert [-d] [-h maximum_hops] [-j host-list] [-w timeout]
               [-R] [-S srcaddr] [-4] [-6] target_name

Options:
    -d                 Do not resolve addresses to hostnames.
    -h maximum_hops    Maximum number of hops to search for target.
    -j host-list       Loose source route along host-list (IPv4-only).
    -w timeout         Wait timeout milliseconds for each reply.
    -R                 Trace round-trip path (IPv6-only).
    -S srcaddr         Source address to use (IPv6-only).
    -4                 Force using IPv4.
    -6                 Force using IPv6.

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    Minimum = 10ms, Maximum = 12ms, Average = 11ms

C:\Users\Admin>tracert

Usage: tracert [-d] [-h maximum_hops] [-j host-list] [-w timeout]
               [-R] [-S srcaddr] [-4] [-6] target_name

Options:
    -d                 Do not resolve addresses to hostnames.
    -h maximum_hops    Maximum number of hops to search for target.
    -j host-list       Loose source route along host-list (IPv4-only).
    -w timeout         Wait timeout milliseconds for each reply.
    -R                 Trace round-trip path (IPv6-only).
    -S srcaddr         Source address to use (IPv6-only).
    -4                 Force using IPv4.
    -6                 Force using IPv6.

C:\Users\Admin>tracert142.250.77.164
'tracert142.250.77.164' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Admin>tracert 142.250.77.164

Tracing route to maa05s17-in-f4.1e100.net [142.250.77.164]
over a maximum of 30 hops:

  1     2 ms     1 ms     3 ms  172.17.64.1
  2     2 ms     1 ms     1 ms  172.22.2.1
  3     4 ms     4 ms     3 ms  172.22.7.2
  4     *        *        *     Request timed out.
  5     5 ms     4 ms     5 ms  10.119.236.225
  6     8 ms     8 ms     7 ms  10.163.251.113
  7    10 ms     8 ms     8 ms  10.119.73.122
  8    12 ms    11 ms    12 ms  72.14.213.20
  9    11 ms    10 ms    10 ms  142.251.227.211
 10    11 ms    12 ms     9 ms  209.85.247.229
 11    11 ms    10 ms    11 ms  maa05s17-in-f4.1e100.net [142.250.77.164]

Trace complete.

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