

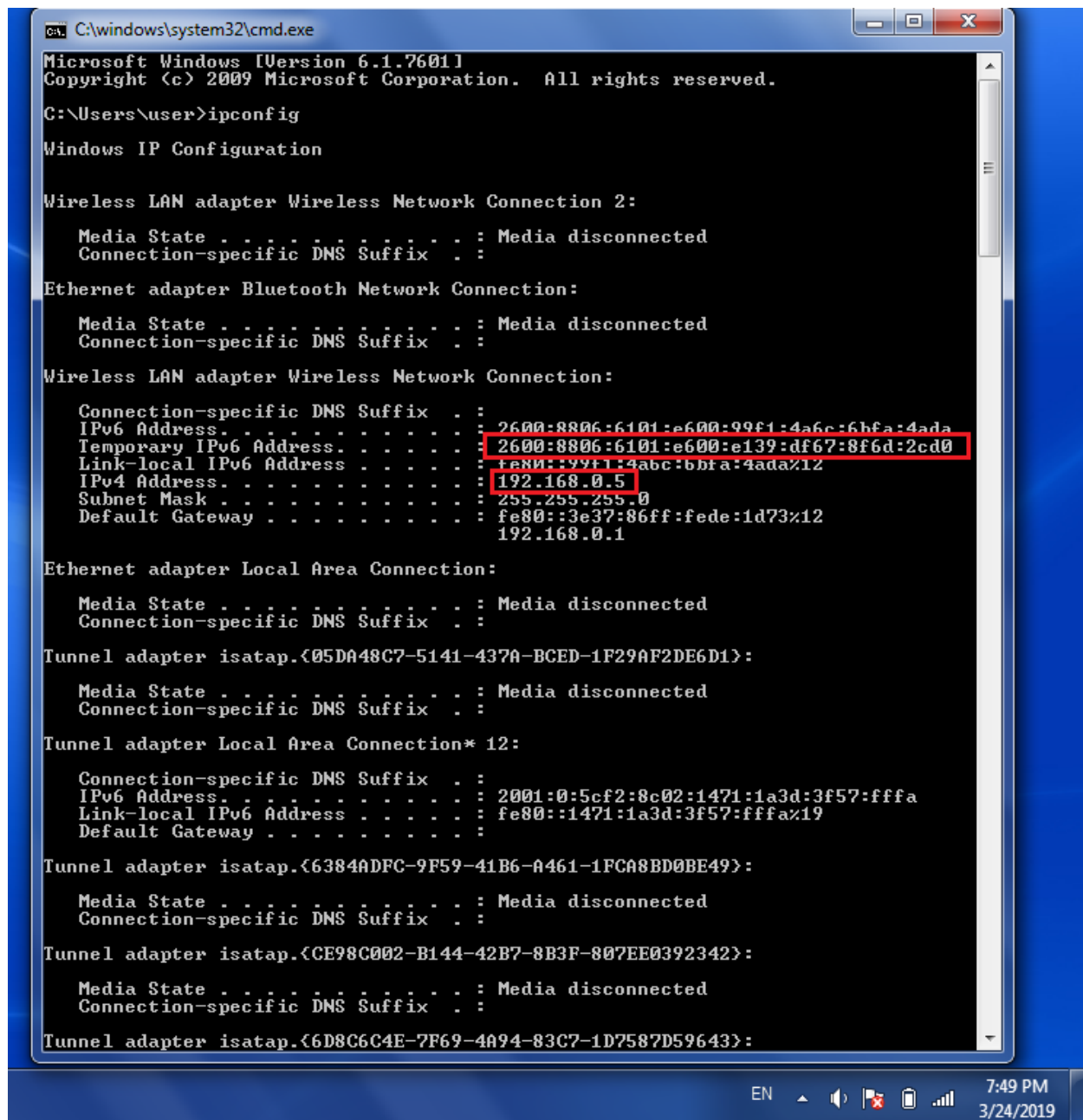
Name: Mohammad Alhomidan

ID: 2510431

1. What is your computer's IP address?

My private IP 192.168.0.5

My public IP 2600:8806:6101:e600:e139:df67:8f6d:2cd0



```
C:\windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
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C:\Users\user>ipconfig

Windows IP Configuration

Wireless LAN adapter Wireless Network Connection 2:

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

Ethernet adapter Bluetooth Network Connection:

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

Wireless LAN adapter Wireless Network Connection:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2600:8806:6101:e600:99f1:4a6c:6bfa:4ada
    Temporary IPv6 Address. . . . . : 2600:8806:6101:e600:e139:df67:8f6d:2cd0
    Link-local IPv6 Address . . . . . : fe80::99f1:4abc:b0fa:4ada%12
    IPv4 Address. . . . . : 192.168.0.5
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : fe80::3e37:86ff:fede:1d73%12
                                192.168.0.1

Ethernet adapter Local Area Connection:

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

Tunnel adapter isatap.{05DA48C7-5141-437A-BCED-1F29AF2DE6D1}:

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

Tunnel adapter Local Area Connection* 12:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2001:0:5cf2:8c02:1471:1a3d:3f57:fffa
    Link-local IPv6 Address . . . . . : fe80::1471:1a3d:3f57:fffa%19
    Default Gateway . . . . . :

Tunnel adapter isatap.{6384ADFC-9F59-41B6-A461-1FCA8BD0BE49}:

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

Tunnel adapter isatap.{CE98C002-B144-42B7-8B3F-807EE0392342}:

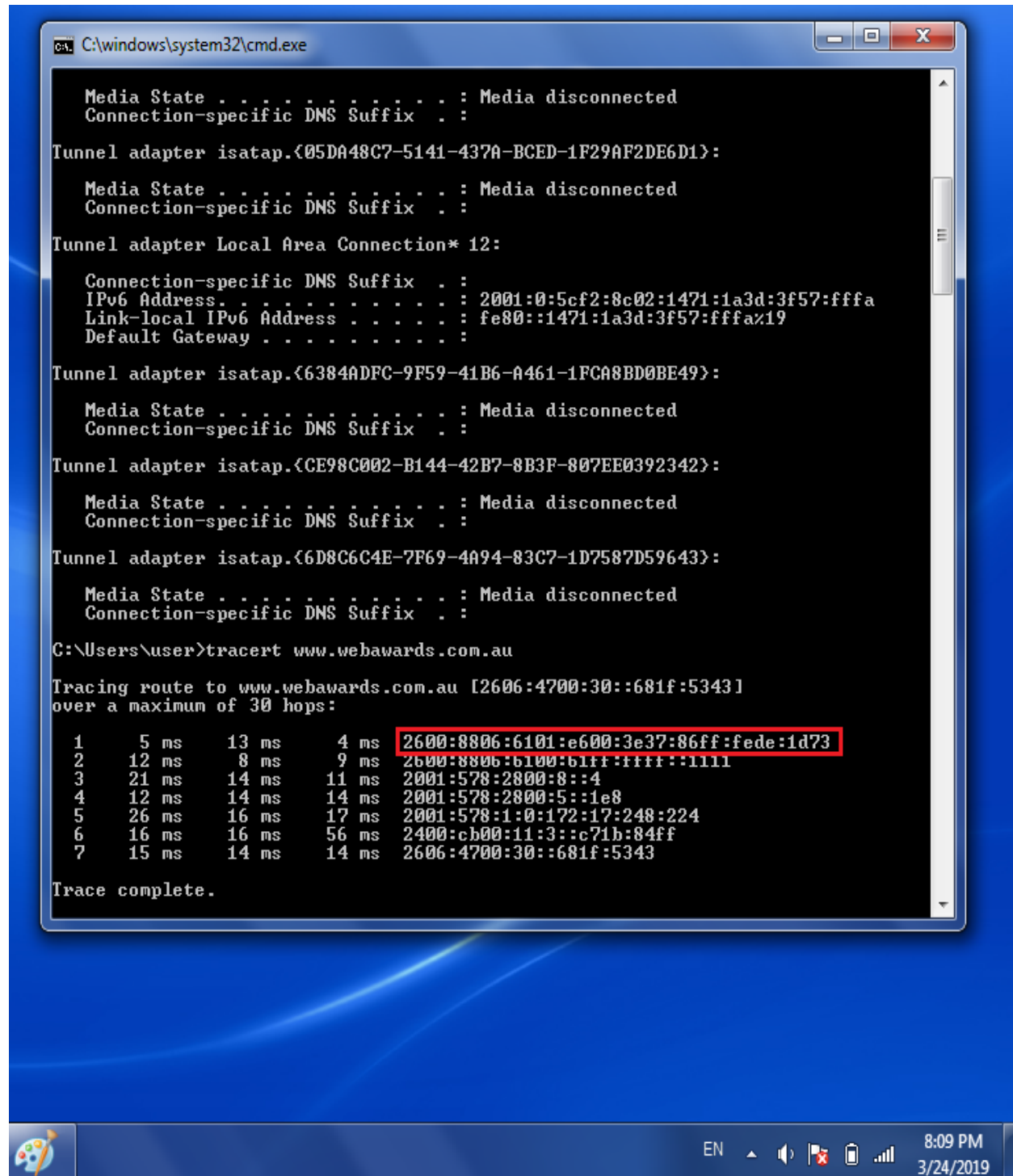
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Tunnel adapter isatap.{6D8C6C4E-7F69-4A94-83C7-1D7587D59643}:

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

2. With reference to private/public IP addresses. What type of IP address is the first IP from your traceroute result.

The IP 2600:8806:6101:e600:3e37:86ff:fede:1d73 is a public IP



```
C:\windows\system32\cmd.exe

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter isatap.{05DA48C7-5141-437A-BCED-1F29AF2DE6D1}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter Local Area Connection* 12:
Connection-specific DNS Suffix . :
IPv6 Address . . . . . : 2001:0:5cf2:8c02:1471:1a3d:3f57:fffa
Link-local IPv6 Address . . . . : fe80::1471:1a3d:3f57:fffa%19
Default Gateway . . . . . :
Tunnel adapter isatap.{6384ADFC-9F59-41B6-A461-1FCA8BD0BE49}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter isatap.{CE98C002-B144-42B7-8B3F-807EE0392342}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :
Tunnel adapter isatap.{6D8C6C4E-7F69-4A94-83C7-1D7587D59643}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . :

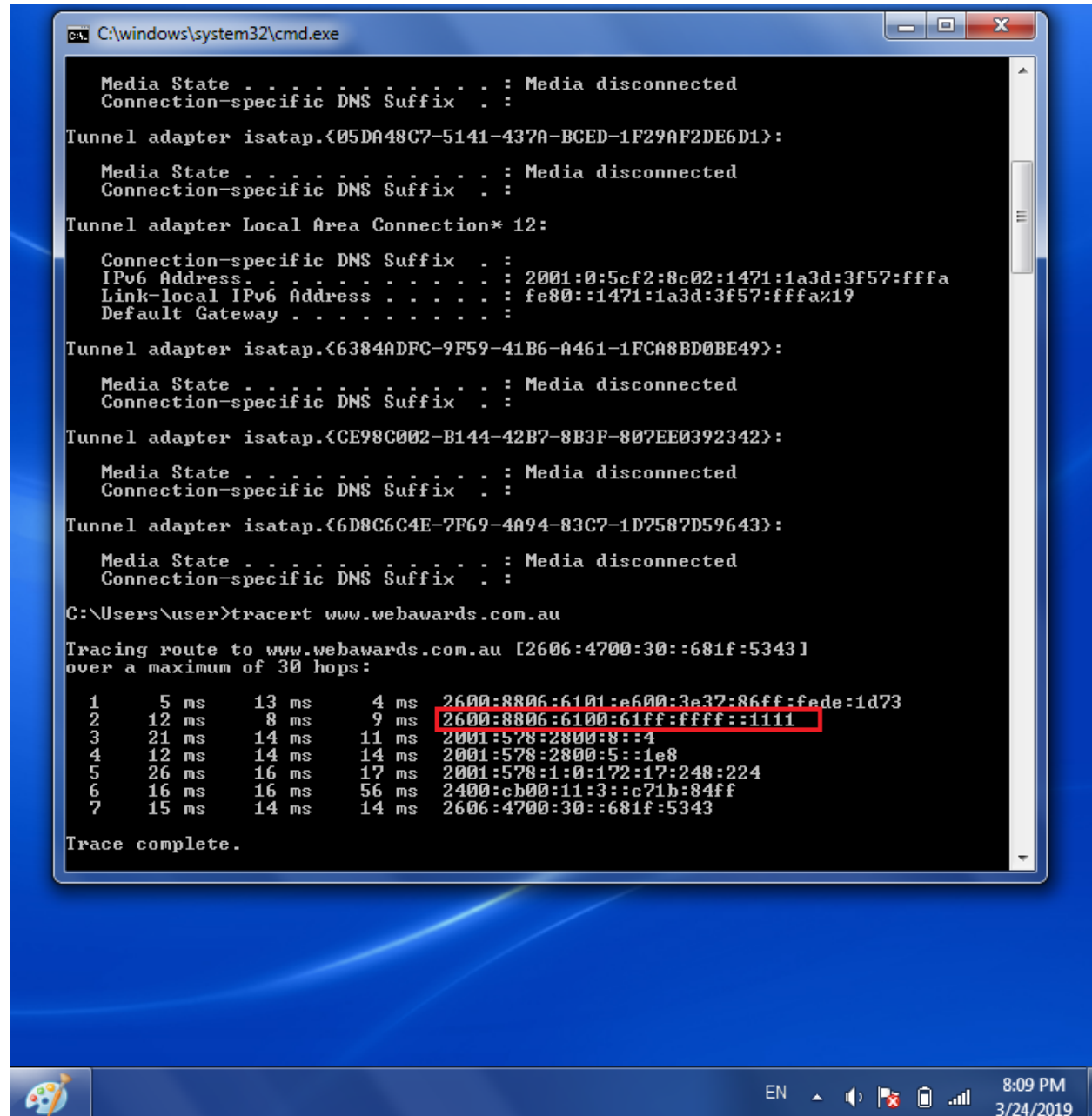
C:\Users\user>tracert www.webawards.com.au

Tracing route to www.webawards.com.au [2606:4700:30::681f:5343]
over a maximum of 30 hops:
  0  5 ms  13 ms  4 ms  2600:8806:6101:e600:3e37:86ff:fede:1d73
  1  12 ms  8 ms  9 ms  2600:8806:6100:61ff:ffff::1111
  2  21 ms  14 ms  11 ms  2001:578:2800:8::4
  3  12 ms  14 ms  14 ms  2001:578:2800:5::1e8
  4  26 ms  16 ms  17 ms  2001:578:1:0:172:17:248:224
  5  16 ms  16 ms  56 ms  2400:cb00:11:3::c71b:84ff
  6  15 ms  14 ms  14 ms  2606:4700:30::681f:5343

Trace complete.
```

3. With reference to private/public IP addresses. What type of IP address is the second IP from your traceroute result.

The IP 2600:8806:6100:61ff:ffff::1111 is a public IP



```
C:\windows\system32\cmd.exe

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 
Tunnel adapter isatap.{05DA48C7-5141-437A-BCED-1F29AF2DE6D1}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 
Tunnel adapter Local Area Connection* 12:
Connection-specific DNS Suffix . : 
IPv6 Address . . . . . : 2001:0:5cf2:8c02:1471:1a3d:3f57:fffa
Link-local IPv6 Address . . . . . : fe80::1471:1a3d:3f57:fffa%19
Default Gateway . . . . . : 
Tunnel adapter isatap.{6384ADFC-9F59-41B6-A461-1FCA8BD0BE49}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 
Tunnel adapter isatap.{CE98C002-B144-42B7-8B3F-807EE0392342}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 
Tunnel adapter isatap.{6D8C6C4E-7F69-4A94-83C7-1D7587D59643}:
Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . : 

C:\Users\user>tracert www.webawards.com.au

Tracing route to www.webawards.com.au [2606:4700:30::681f:5343]
over a maximum of 30 hops:
  0  0 ms  0 ms  0 ms  2606:4700:30::681f:5343
  1  5 ms  13 ms  4 ms  2600:8806:6101:e600:3e37:86ff:fede:1d73
  2  12 ms  8 ms  9 ms  2600:8806:6100:61ff:ffff::1111
  3  21 ms  14 ms  11 ms  2001:578:2800:8::4
  4  12 ms  14 ms  14 ms  2001:578:2800:5::1e8
  5  26 ms  16 ms  17 ms  2001:578:1:0:172:17:248:224
  6  16 ms  16 ms  56 ms  2400:cb00:11:3::c71b:84ff
  7  15 ms  14 ms  14 ms  2606:4700:30::681f:5343

Trace complete.
```

4. In a tabular format (use table example below), and in sequential order. Indicate the location of each IP address (include state for US states) and the organization that owns the IP address. (Use <https://www.ultratools.com/tools/ipWhoisLookup> to look up IP address whois information). Add a row for every single IP in your traceroute result page.

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C:\windows\system32\cmd.exe

Connection-specific DNS Suffix  . :
Tunnel adapter isatap.{CE98C002-B144-42B7-8B3F-807EE0392342}:
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
Tunnel adapter isatap.{6D8C6C4E-7F69-4A94-83C7-1D7587D59643}:
    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
C:\Users\user>tracert www.webawards.com.au

Tracing route to www.webawards.com.au [2606:4700:30::681f:5343]
over a maximum of 30 hops:
  0  0 ms  0 ms  0 ms  2606:4700:30::681f:5343
  1   5 ms  13 ms  4 ms  2600:8806:6101:e600:3e37:86ff:fede:1d73
  2  12 ms   8 ms  9 ms  2600:8806:6100:61ff:ffff::1111
  3  21 ms  14 ms  11 ms  2001:578:2800:8::4
  4  12 ms  14 ms  14 ms  2001:578:2800:5::1e8
  5  26 ms  16 ms  17 ms  2001:578:1:0:172:17:248:224
  6  16 ms  16 ms  56 ms  2400:cb00:11:3::c71b:84ff
  7  15 ms  14 ms  14 ms  2606:4700:30::681f:5343

Trace complete.

C:\Users\user>ipconfig

Windows IP Configuration

Wireless LAN adapter Wireless Network Connection 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
Ethernet adapter Bluetooth Network Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
Wireless LAN adapter Wireless Network Connection:

    Connection-specific DNS Suffix  . :
    IPv6 Address. . . . . : 2600:8806:6101:e600:99f1:4a6c:6bfa:4ada
```

Hop Count	IP address	Organization (IP Owner)	Location (US state)/Country
1	2600:8806:6101:e600:3e37:86ff:fede:1d73	Cox Communications Inc	Atlanta GA
2	2600:8806:6100:61ff:ffff::1111	Cox Communications Inc	Atlanta GA
3	2001:578:2800:8::4	Cox Communications Inc	Atlanta GA
4	2001:578:2800:5::1e8	Cox Communications Inc	Atlanta GA
5	2001:578:1:0:172:17:248:224	Cox Communications Inc	Atlanta GA
6	2400:cb00:11:3::c71b:84ff	Cloudflare, Inc	San Francisco CA
8	2600:4700:30::681f:5343	American Registry for Internet Numbers	Centreville VA

5. In your own words, explain everything you just did, and what route did your packet took from source to destination. How many US states did your packet go through? How many countries if any?

The packet went through Georgia to California and went back to Virginia. It was not left the U.S even the URL from Australia.