

Lab 5

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1. My Computer's IP address is 192.168.200.8

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Command Prompt

Ethernet adapter Ethernet 2:

    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  . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::1997::5f0:8826:6b52%13
    IPv4 Address. . . . . : 192.168.200.8
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.200.1

Ethernet adapter Bluetooth Network Connection 2:

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

C:\Users\sauga>
```

2. The first IP address from my traceroute result is my default gateway address: 192.168.200.1

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Command Prompt
Microsoft Windows [Version 10.0.17134.648]
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C:\Users\sauga>tracert www.webawards.com.au

Tracing route to www.webawards.com.au [104.31.82.67]
over a maximum of 30 hops:

  1    1 ms    <1 ms    <1 ms    192.168.200.1
  2   11 ms     5 ms     2 ms    104.31.82.67

Trace complete.

C:\Users\sauga>
```

- The second IP address is where our signal reaches. It's our destination web server IP address for www.webawards.com.au

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C:\Users\sauga>
```

4.

Hop Count	IP Address	Organization (IP Owner)	Location (US State/ Country)
1.	192.168.200.1	IANA (Internet Assigned Numbers Authority)	Los Angeles, CA, USA
2.	104.31.82.67	Cloudflare, Inc.	San Francisco, CA, USA

5. By typing in the command prompt the command along with the web address, the signal started at my local router at home than it moved to my Internet Service Provider (The first IP Address in Hop 1. Then it moved onto the webserver itself. It did not travel any state between the 2 Hops but it did travel from LA to San Francisco.

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