

## Lab 5 – Traceroute

```
Command Prompt
Microsoft Windows [Version 10.0.17134.648]
(c) 2018 Microsoft Corporation. All rights reserved.

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

Tracing route to www.webawards.com.au [104.31.83.67]
over a maximum of 30 hops:

  0  1 ms  1 ms  1 ms  192.168.0.1
  1  10 ms  9 ms  9 ms  10.0.0.1
  2  11 ms  11 ms  9 ms  100.123.212.14
  3  10 ms  9 ms  9 ms  100.121.20.10
  4  12 ms  11 ms  12 ms  ashbbprj01-ae2.rd.as.cox.net [68.1.0.242]
  5  11 ms  11 ms  21 ms  68.105.30.82
  6  15 ms  18 ms  10 ms  104.31.83.67

Trace complete.

C:\Users\yddi>
```

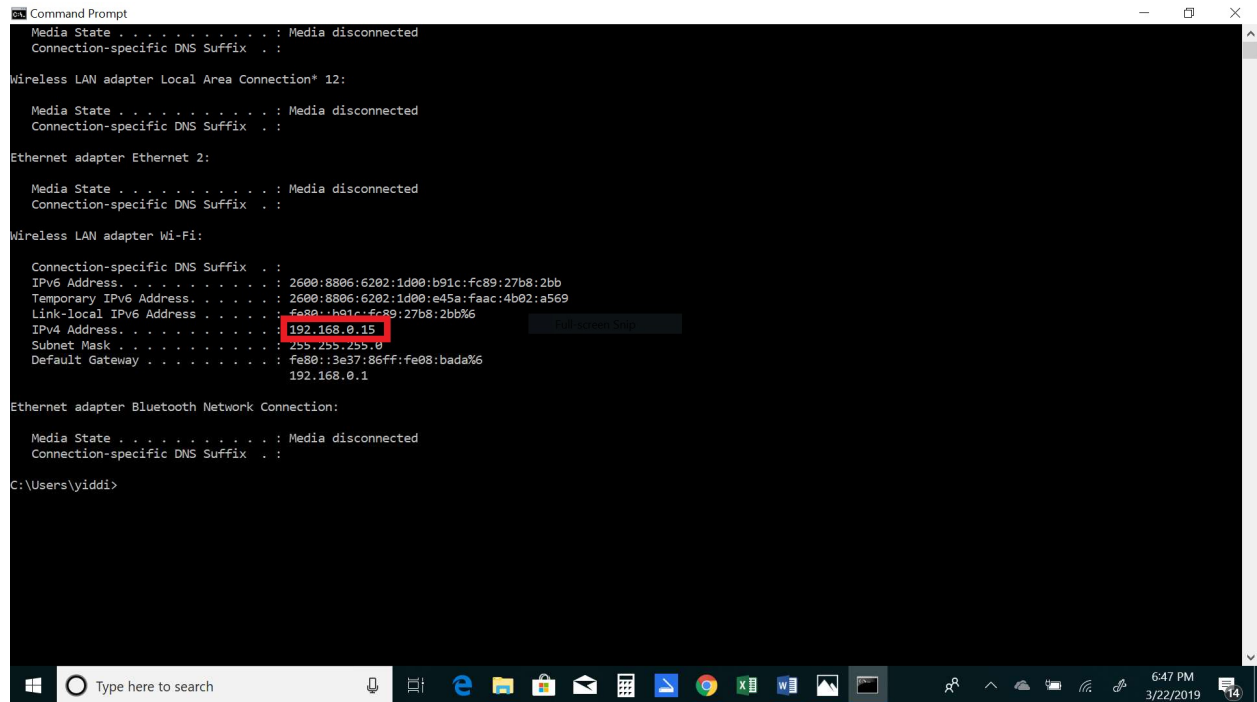
Full screen Snaps

Type here to search

3:10 PM  
3/22/2019

## Questions:

1. What is your computers IP address? (This is not included in your traceroute results). Take a screenshot of your computers IP address. Your screenshot should indicate the time and date on your computer.



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

192.168.0.1 is a Private IP

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

10.7.32.1 is a private IP

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 who is information). Add a row for every single IP in your traceroute result page.

Hop Count	IP address	Organization (IP Owner)	Location (US state)/Country
1	192.168.0.1	IANA	Los Angeles, CA
2	10.7.32.1	IANA	Los Angeles, CA
3	100.123.212.14	IANA	Los Angeles, CA
4	100.121.20.10	IANA	Los Angeles, CA
5	68.1.0.242	COX	Atlanta, GA
6	68.105.30.82	COX	Atlanta, GA
7	104.31.83.67	Cloudflare, Inc.	San Francisco, CA

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?

I traced the route of my packet beginning from my laptop to my home router, and from my home router to the ISPs routers located in Los Angeles, CA and Atlanta, GA and finally arriving at the Cloudflare server in San Francisco.