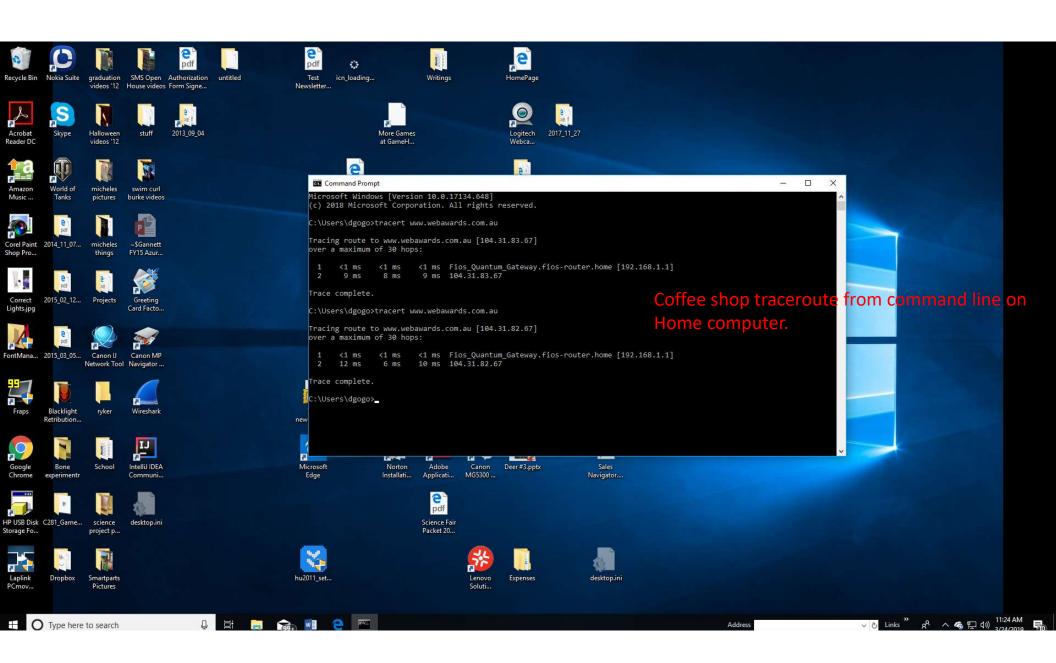
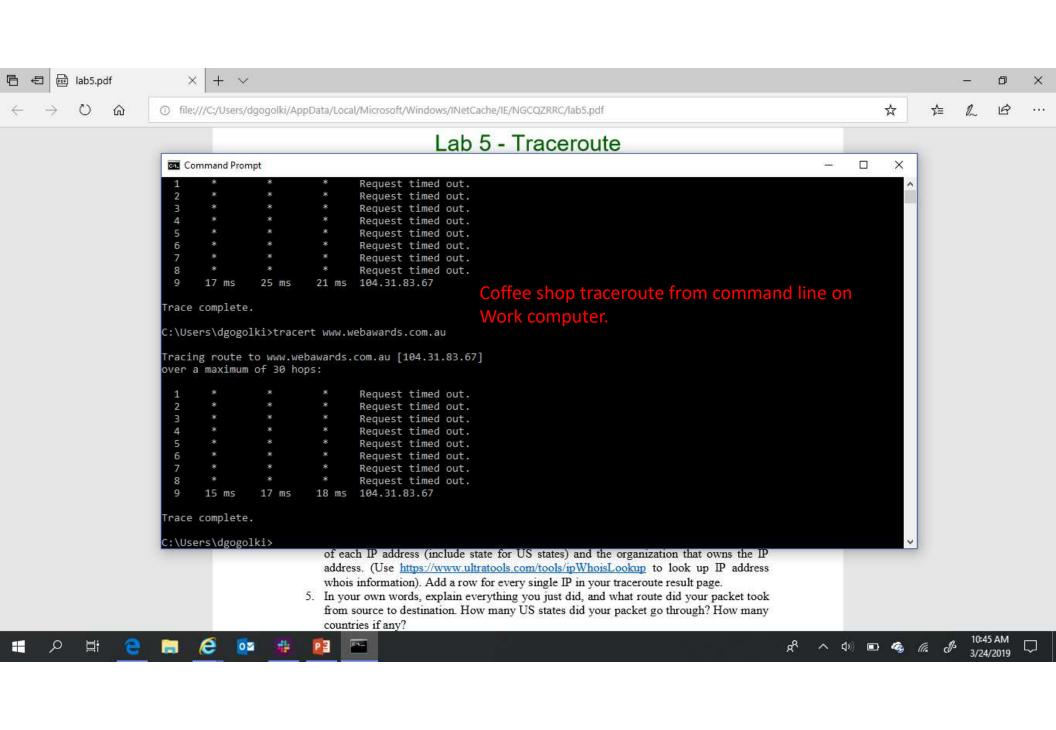
Wireshark Lab 5 - Traceroute

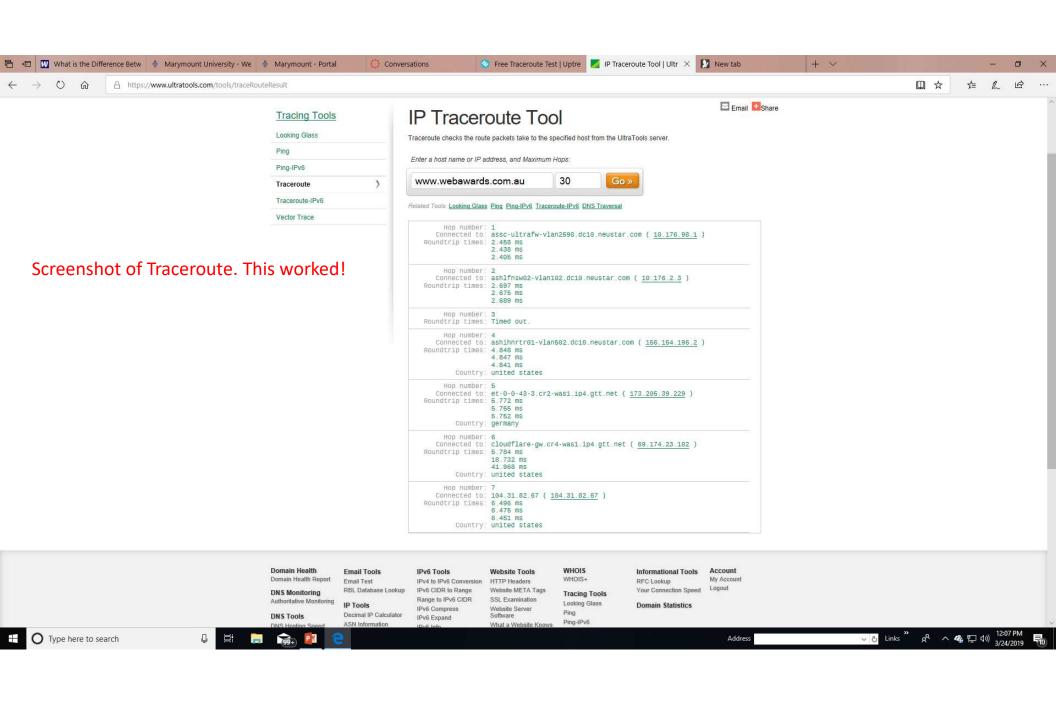
IT 520 –A – Enterprise Infrastructure & Networks
David Gogolkiewicz

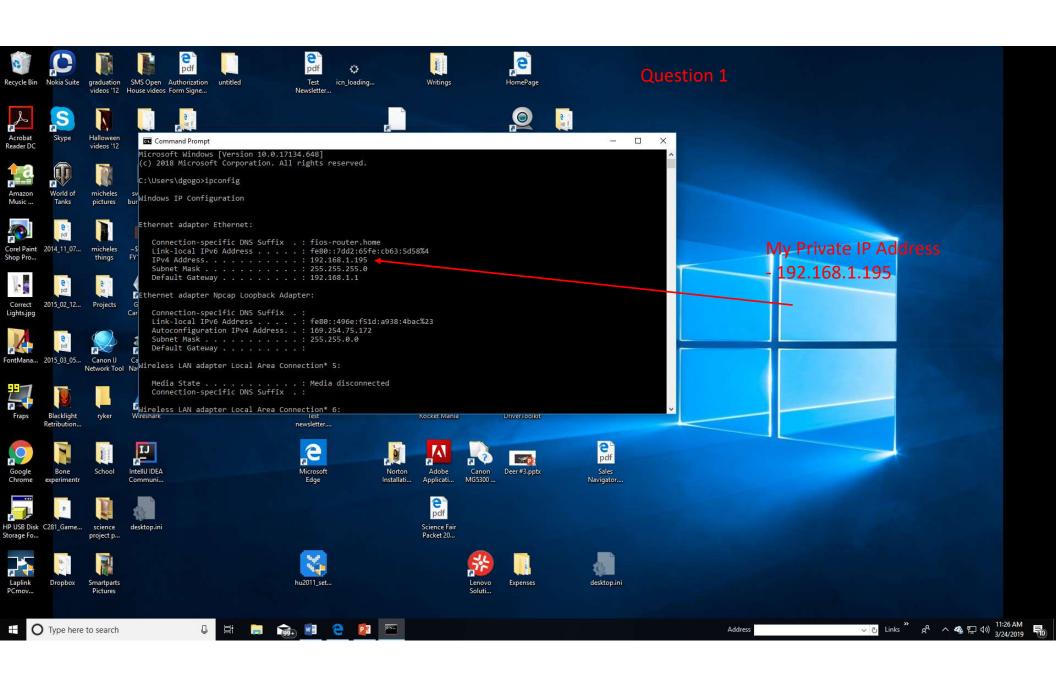
Notes

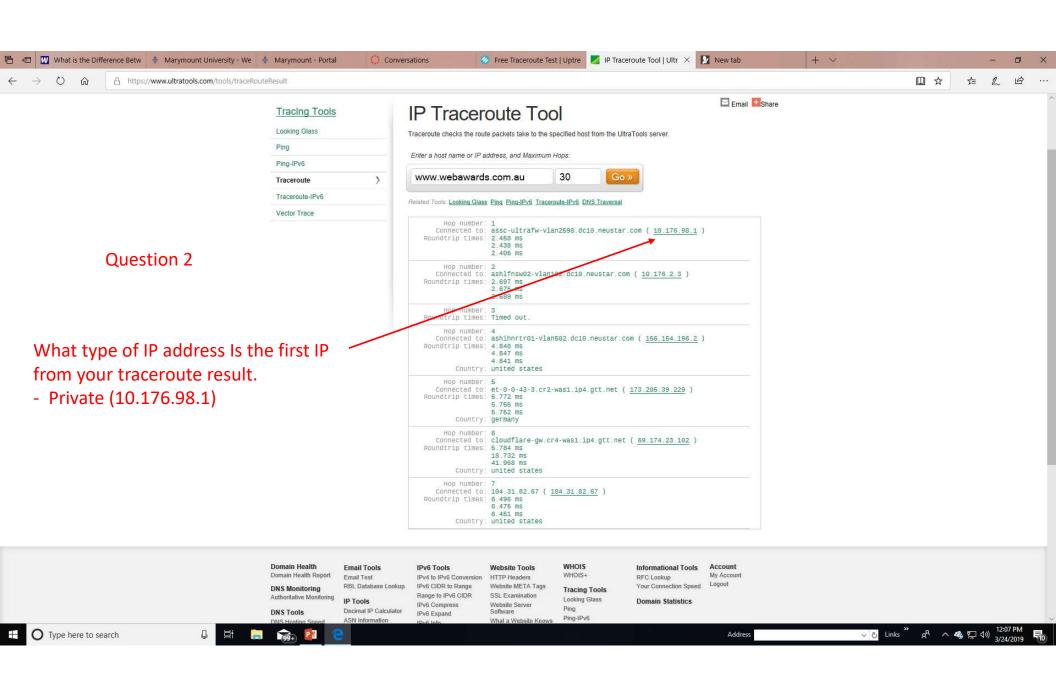
- The traceroute command from my home computer only showed 2 hops. One to my router and the other to the destination website. I am assuming this is a firewall issue with my Verizon router.
- I tried getting on the web at the local coffee shop and got the same result. Same thing, probably a firewall issue on my side.
- I decided to use ultratools traceroute function on their website going through their servers and had a much better result

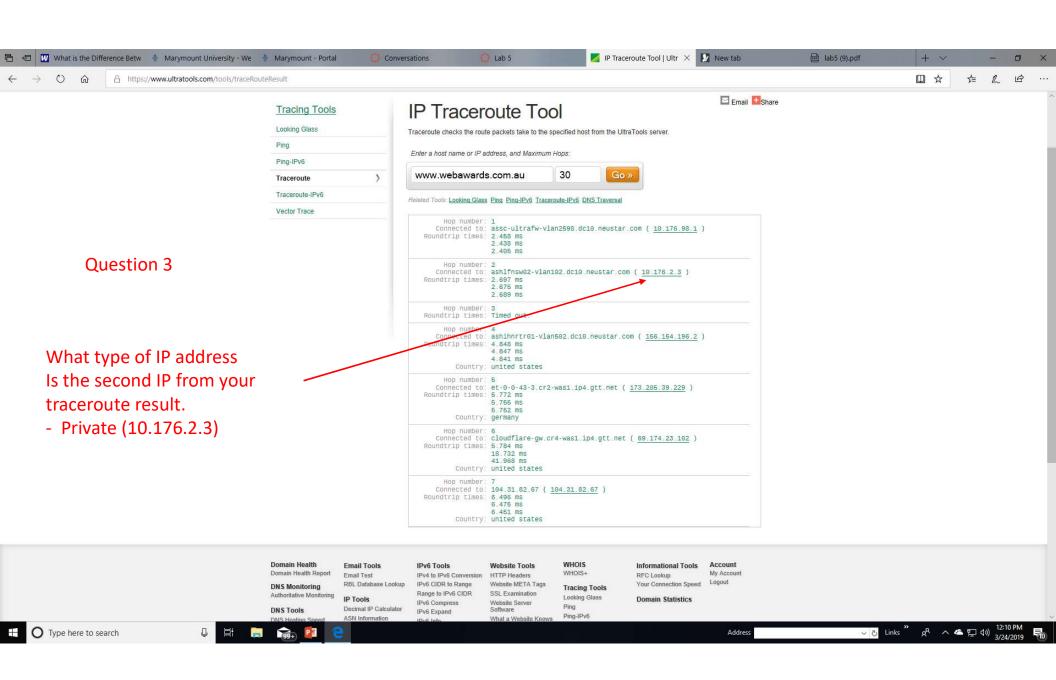












Question 4

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

Hop Count	IP Address	Organization (IP Owner)	Location (US State / Country
1	10.176.98.1	IANA	Los Angeles, CA, USA
2	10.176.2.3	IANA	Los Angeles, CA USA
3	Timed out		
4	156.154.196.2	NeuStar	Sterling, VA USA
5	173.205.39.229	Tinet	Neu-Isenburg, Germany
6	69.174.23.102	GTT	Neu-Isenburg, Germany
7	104.31.82.67	Cloudflare, Inc.	San Francisco, CA

Question 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 had to use the UltraTools IP Traceroute website since I was not getting any route information from either my work laptop or my home laptop. Antivirus / Firewall Issues. The packet went to California, then Sterling VA (which I assume is the big datacenter in Ashburn), then the packet went to Germany then back to California. The longest round trip time was, hop 6 to Germany which makes sense given the distance. 2 states and one country.
- I ran this route using another Traceroute tool and my packet ended up going though what I believe was China since the 3 hops were registered but no trace information was provided, though Hong Kong and back to California. Pretty cool.