Lab 5 - Traceroute
IT 520-A – Enterprise Infrastructure & Networks

Instructions:

In this lab, you'll be using the traceroute diagnostic tool to packets route across the IP network.

On Windows:
- Go to Command Prompt (start menu, search for "cmd")
- Type: "tracert www.webawards.com.au"
- Take a full screenshot of your tracert result page

On Mac:
- Go to Terminal (Finder, Applications, Utilities and open "terminal")
- Type: "traceroute www.webawards.com.au"
- Take a full screenshot of your traceroute result page.

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

Hop Count	IP address	Organization (IP Owner)	Location (US state)/Country
1			
2			
3			