

ENTERPRISE INFRASTRUCTURE AND NETWORKS

IT 520

Lab #5

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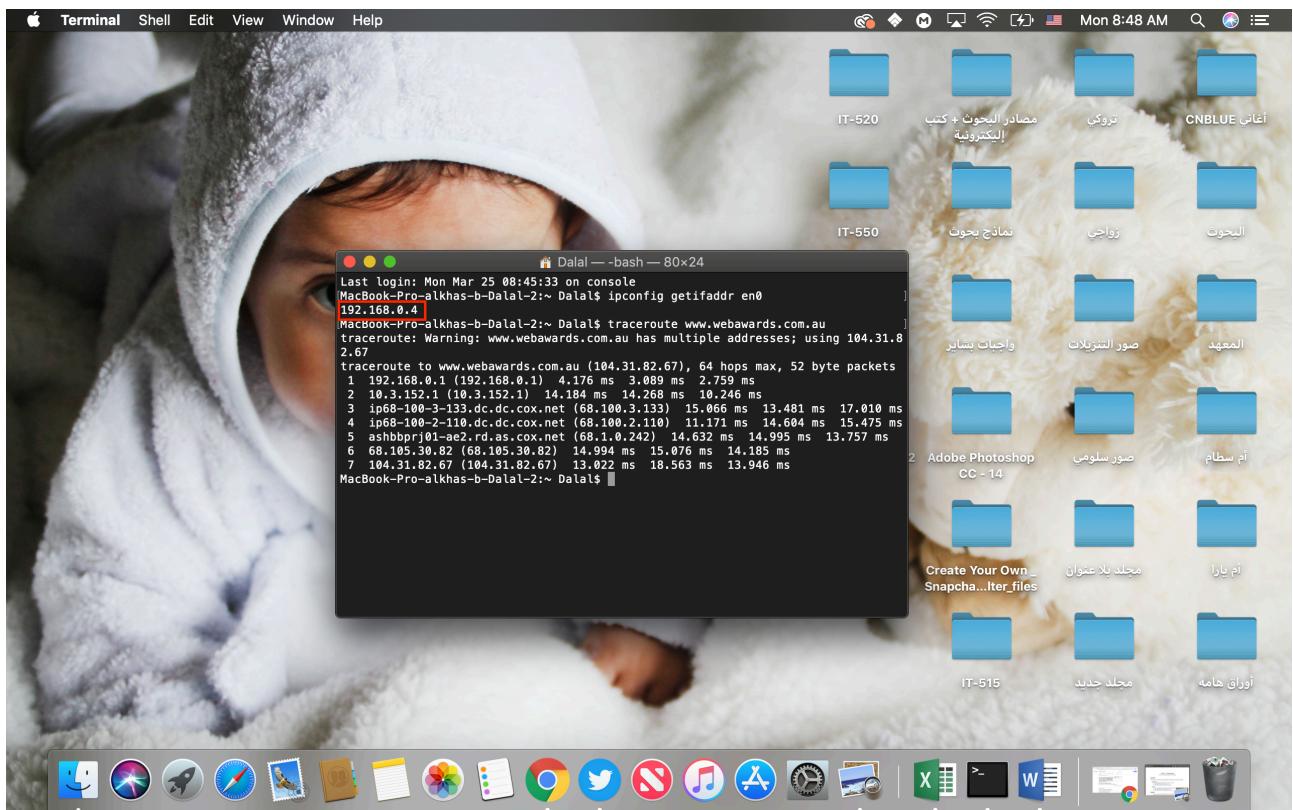
Due to: 03/025/2019

Question #1:

What is your computers IP address? (This is not included in your traceroute results).

192.168.0.4

* a full screenshot of my tracert result page included in this pic.



Question #2:

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

IP Address: 192.168.0.1

- This is a private LAN address, it can neither be routed, geolocated or publicly looked up in the internet.

Question #3:

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

IP Address: 10.3.152.1

- This is a private LAN address, it can neither be routed, geolocated or publicly looked up in the internet.

Question #4:

In a tabular format, 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.

Hop Count	IP address	Organization (IP Owner)	Location (U.S. State)/Country
1	192.168.0.1	IANA: Internet Assigned Numbers Authority	Country: United States State/Province: CA City: Los Angeles
2	10.3.152.1	IANA: Internet Assigned Numbers Authority	Country: United States State/Province: CA City: Los Angeles

3	68.100.3.133	CXA: Cox Communications Inc.	Country: United States State/Province: GA City: Atlanta
4	68.100.2.110	CXA: Cox Communications Inc.	Country: United States State/Province: GA City: Atlanta
5	68.1.0.242	CXA: Cox Communications Inc.	Country: United States State/Province: GA City: Atlanta
6	68.105.30.82	CXA: Cox Communications Inc.	Country: United States State/Province: GA City: Atlanta
7	104.31.82.67	CLOUD14: Cloudflare, Inc.	Country: United States State/Province: CA City: San Francisco

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 used a Traceroute command which is a command that shows the path of an information packet to a specific web site. this command listed all routers that pass through while reaching its destination. all IP addresses that I captured from "terminal" are protected by companies that provide protection services for websites from all manner of attacks the hackers.