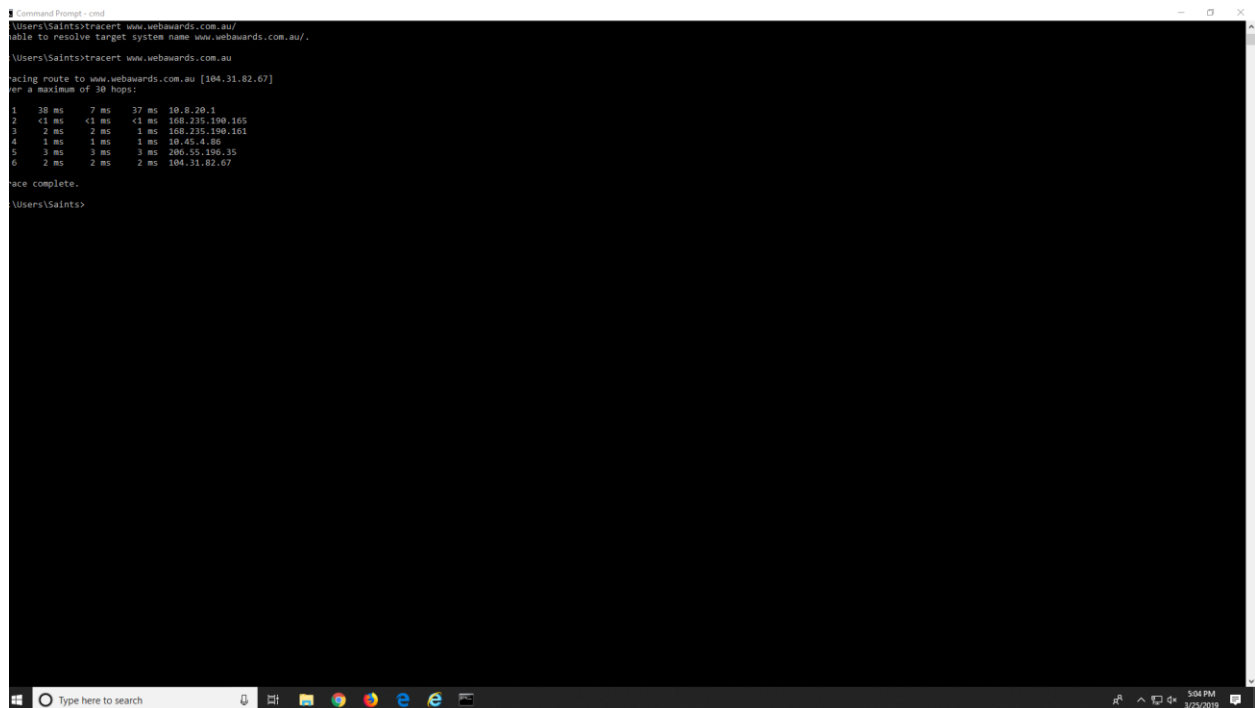Faisal Alwayli

Lab5

IT-520

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"

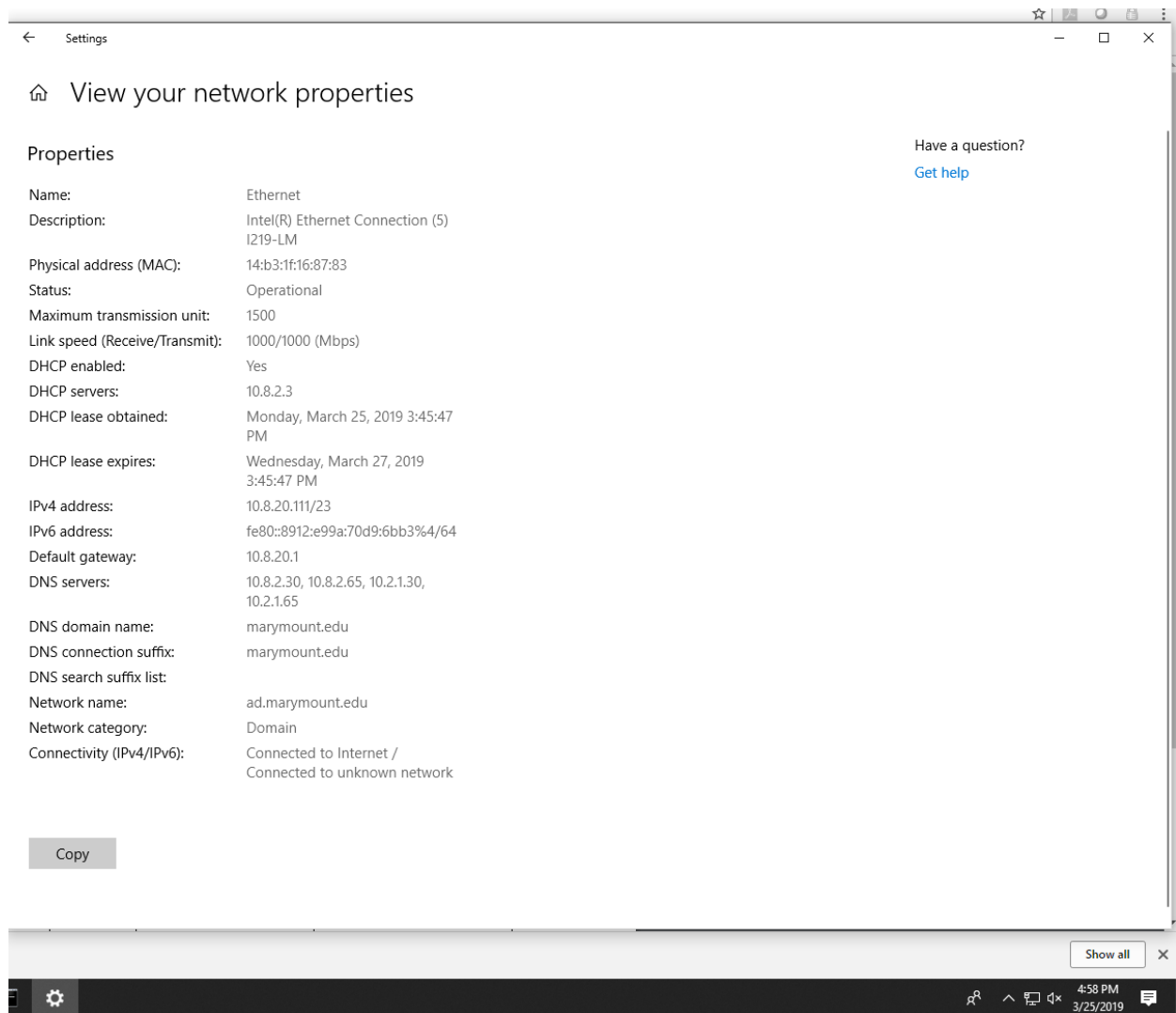• Take a full screenshot of your tracert result page

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

Settings — View your network properties

Properties

Field	Value
Name:	Ethernet
Description:	Intel(R) Ethernet Connection (5) I219-LM
Physical address (MAC):	14:b3:1f:16:87:83
Status:	Operational
Maximum transmission unit:	1500
Link speed (Receive/Transmit):	1000/1000 (Mbps)
DHCP enabled:	Yes
DHCP servers:	10.8.2.3
DHCP lease obtained:	Monday, March 25, 2019 3:45:47 PM
DHCP lease expires:	Wednesday, March 27, 2019 3:45:47 PM
IPv4 address:	10.8.20.111/23
IPv6 address:	fe80::8912:e99a:70d9:6bb3%4/64
Default gateway:	10.8.20.1
DNS servers:	10.8.2.30, 10.8.2.65, 10.2.1.30, 10.2.1.65
DNS domain name:	marymount.edu
DNS connection suffix:	marymount.edu
DNS search suffix list:	
Network name:	ad.marymount.edu
Network category:	Domain
Connectivity (IPv4/IPv6):	Connected to Internet / Connected to unknown network

Have a question?
Get help

Copy

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

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

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

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

Hop count	IP address	Organization	Location
1	10.8.20.1 -10.45.4.86	Internet Assigned Numbers Authority	Los angles , CA, USA
2	168.235.190.161-168.235.190.165	Allied Telecom Group, LLC	Arlington , VA , USA
3	206.55.196.35	LINX USA Inc.	WILMINGTON , DE , USA
4	104.31.82.67	Cloudflare, Inc.	SAN FRANSISCO , CA , USA

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?

. First I opened the command prompt then I faced some trouble doing the traceroute, because it was showing me that it doesn't accept external links, then I realized   that I was doing it with MAC way, but I was using a windows computer

After that I moved on to find the IP addresses for the computer that I'm using in the university. then I looked to the results that I got from the traceroute, then I examined each by the tool "https://www.ultratools.com/tools/ipWhoisLookup" that showed me their IP address and their locations and who there are owned by

The results showed 3 states in the USA which are CA, DE, AND VA