**MARYMOUNT UNIVERSITY**

**Assignment:** IT520; Enterprise Infrastructure and Networks

**Assigned:** March 20, 2018

**Instructor:** Dr. Ibrahim Waziri

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**QUESTIONS**

1. What is your computer’s IP address?

**ANSWER:** 192.168.1.6

A screenshot of a computer

Description generated with very high confidence

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

**ANSWER:** First IP 192.168.1.1 from tracert is a private IP address

A screenshot of a computer

Description generated with very high confidence

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

**ANSWER:** Second IP 96.241.173.1 from tracert is a public IP address

A screenshot of a computer

Description generated with very high confidence

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1. **HOP COUNT, IP ADDRESS, ORGANIZATION, AND COUNTRY OF LOCATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **HOP COUNT** | **IP ADDRESS** | **ORGANIZATION (IP OWNER)** | **LOCATION (US STATE/COUNTRY)** |
| **1** | 192.168.1.1 | Internet Assigned Number Authority (IANA) | Los Angeles (CA) |
| **2** | 96.241.173.1 | MCI Communications Services (Verizon Business) | Ashburn (VA) |
| **3** | 100.41.128.16 | MCI Communications Services (Verizon Business) | Ashburn (VA) |
| **4** | \* | \* | Request Timed out |
| **5** | 140.222.239.77 | ANS CO+RE Systems, Inc. | Purchase (NY) |
| **6** | 204.148.11.177 | ANS Communications, Inc. | Ashburn (VA) |
| **7** | 89.149.141.105 | Requires Terms and Conditions | Access to IP is temporarily denied |
| **8** | 46.33.80.34 | Singapore Telecommunication Ltd | Singapore |
| **9** | 203.208.172.173 | Singapore Telecommunication Ltd | Singapore |
| **10** | 203.208.177.130 | Singapore Telecommunication Ltd | Singapore |
| **11** | 59.154.142.20 | SingTel Optus Pty Ltd | Australia |
| **12** | 161.43.103.42 | SingTel Optus Pty Ltd | Australia |
| **13** | 210.56.92.11 | ESCAENET | Australia |
| **14** | 122.129.216.9 | Web Prophets Pty Ltd | Australia |
| **15** | 122.129.218.139 | Web Prophets Pty Ltd | Australia |

1. **Routes and Hops**

*“tracert”* activity conducted on <https://www.webawards.com.au/> (IP: 122.129.218.139) showed the route and 15 hops that my IP (192.168.1.6) took to reach it. Based on the routes, the output indicated that IP 192.168.1.6 routed through Los Angeles in CA through Virginia, New York, Singapore, down to Australia. It is also worth mentioning that based on certain security implications, some IPs (i.e. Hop #4 and Hop# 7: 89.149.141.105) have been hidden or restricted from the public view and therefore did not show at all (i.e. Request Timed Out on several attempts) or an IP (i.e. 89.149.141.105) showed but didn’t allow a look up using <https://www.ultratools.com/tools/ipWhoisLookupResult>.

In conclusion, above table is the route my search took to reach <https://www.webawards.com.au/>, based on my location (i.e. 3 States and 3 Countries based on route information that was visible).