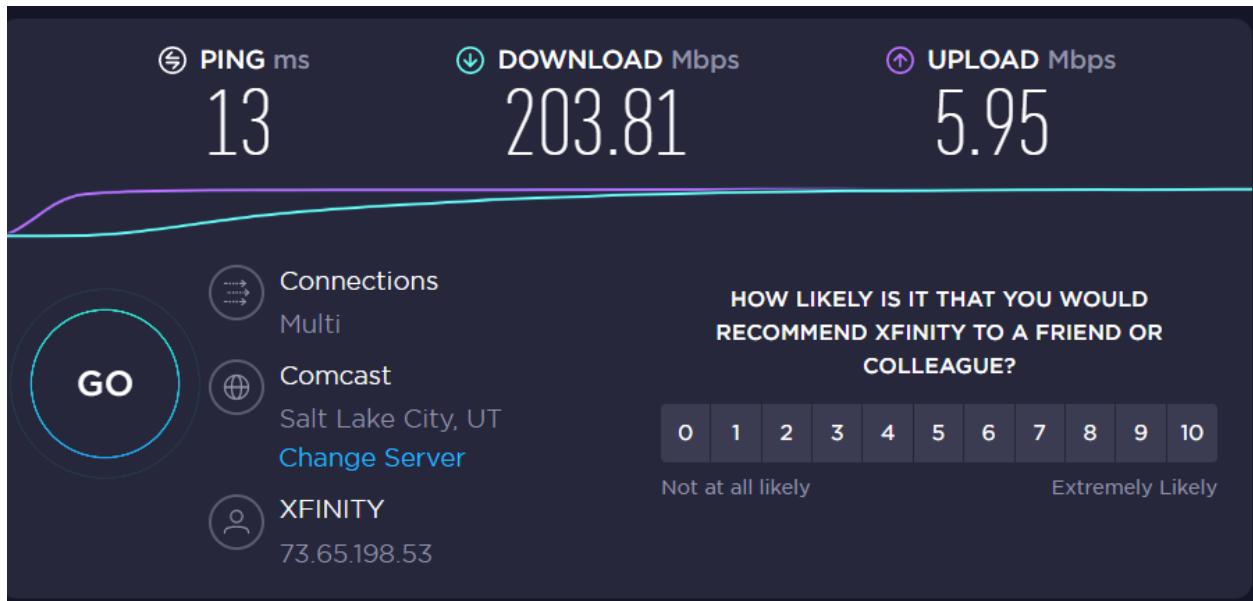


## Sample Lab Report:

1.



**2. What the minimum and maximum download speed you recorded at each of these sites. Include the speed, and the site at which the speed was recorded.**

The minimum speed was 120.44 Mbps and the maximum was 203.81 Mbps

**3. What was the minimum and maximum upload speed you recorded at each of these sites. Include the speed, and the site at which the speed was recorded.**

The minimum was 4.59 Mbps and the maximum was 5.95 Mbps.

**4. Was there a significant difference in download and upload speed? a. What was the difference? b. What factors do you think could be contributing to this difference?**

The download is bigger than upload speed. The download speed is almost 34 times the upload speed. The first factor is the provider gives almost the 5 Mbps and the second factor was watching and doing a lot of stuffs on my laptop.

**5. What was the minimum and maximum latency you recorded?**

The latency is 31 seconds.

**6. Is the device you used to run these tests using a wired ethernet connection, or a WiFi connection? a. How could the type of network connection impact your results?**

My device is no WiFi connection, but the download speed was higher on WiFi than wire. The upload and download speed starting are not the same but the ending is the same 5.95 Mbps.

7.

Amazon

Minimum = 72ms, Maximum = 81ms, Average = 74ms

apple

Minimum = 27ms, Maximum = 33ms, Average = 28ms

Google.com

Minimum = 25ms, Maximum = 29ms, Average = 27ms

uvu.edu

Minimum = 17ms, Maximum = 24ms, Average = 19ms

8.8.8.8

Minimum = 26ms, Maximum = 33ms, Average = 28ms

1.0.0.1

Minimum = 17ms, Maximum = 23ms, Average = 21ms

**8. What were the minimum, maximum, and average ping times for all 18 IP addresses in the United States and World boxes?**

UVU Utah and the IP address is 161.28.25.131

Minimum = 16ms, Maximum = 18ms, Average = 17ms

**9. For the United States, what location had the lowest minimum ping time?**

The location had the lowest minimum is UVU Utah.

Minimum = 16ms, Maximum = 18ms, Average = 17ms

**10. For the United States, what location had the highest minimum ping time?**

The maximum had highest is Hawaii

Minimum = 117ms, Maximum = 119ms, Average = 118ms

**11. For the World, what location had the lowest minimum ping time?**

The minimum ping time had ping 185.228.169.9

Minimum = 40ms, Maximum = 46ms, Average = 42ms

**12. For the World, what location had the highest minimum ping time?**

The location is South Africa

Minimum = 302ms, Maximum = 312ms, Average = 305ms

**13. What location had the greatest difference in its minimum and maximum ping times? a. What do you think could have caused such a variance in ping times, especially given that both times were for the same location?**

The different is Minimum = 262 ms, Maximum = 266 ms, Average = 263 ms. The distance and numbers of the routers where the package is passing are the cause of the variance in ping times.

**14. Distance is usually the greatest factor in latency. With that being said, what other factors would cause the increased ping times you saw in the United States ping times vs. the World ping times? (You can reverse this question if you saw higher ping times for the World compared to the United States.)**

Yes, the distance is greatest factor in latency because it is waiting the package to travel from point A to point B. The location of United States ping times vs. the world ping times can increase the latency because on the distance for the package to travel. We will get the same problem the world vs United States. It is definitely the result of the traffic that was going on my laptop, and video I was watching that increase the latency.