

1. Mac IP Address:

10.3.10.241

2. Phone IP:

10.3.226.12

64 bytes from 10.3.227.28: icmp_seq=0 ttl=63 time=85.688 ms

3. Website IP's:

Youtube: 151.101.44.193

Imgur: 172.217.3.174

4. Traceroute:

Youtube: 1 10.3.10.1 (10.3.10.1) 1.140 ms
2 10.3.111.1 (10.3.111.1) 1.153 ms
3 10.200.3.2 (10.200.3.2) 1.592 ms
4 10.143.60.146 (10.143.60.146) 1.979 ms
5 *
6 10.143.58.89 (10.143.58.89) 9.919 ms
7 64.114.202.165 (64.114.202.165) 6.407 ms
8 64.114.202.170 (64.114.202.170) 9.367 ms
9 206.108.207.181 (206.108.207.181) 7.381 ms
10 154.11.10.11 (154.11.10.11) 14.218 ms
11 72.14.220.60 (72.14.220.60) 17.658 ms
12 108.170.245.113 (108.170.245.113) 12.775 ms
13 108.170.233.157 (108.170.233.157) 7.976 ms
14 sea15s11-in-f14.1e100.net (172.217.3.174) 6.237 ms

64 hops max

Imgur: 1 10.3.10.1 (10.3.10.1) 1.673 ms
2 10.3.111.1 (10.3.111.1) 17.952 ms
3 10.200.3.2 (10.200.3.2) 19.046 ms
4 10.143.60.146 (10.143.60.146) 8.226 ms
5 *
6 10.143.58.89 (10.143.58.89) 3.295 ms
7 64.114.202.165 (64.114.202.165) 4.310 ms
8 64.114.202.170 (64.114.202.170) 3.903 ms
9 206.108.207.181 (206.108.207.181) 3.708 ms
10 96.1.216.186 (96.1.216.186) 22.515 ms
11 96.1.164.21 (96.1.164.21) 25.139 ms
12 sttlwawbci01.bb.telus.com (75.154.217.106) 19.886 ms

64 hops max

5. Someone might get confused on who's who and send something to the wrong person and the wrong person might expose the person who sent it if it was something private

6. DNS is like a phone book for the Internet. If you know a person's name but don't know their telephone number, you can simply look it up in a phone book. DNS provides this same service to the Internet.

When you visit <http://dyn.com> in a browser, your computer uses DNS to retrieve the website's IP address of 204.13.248.115. Without DNS, you would only be able to visit our website (or any website) by visiting its IP address directly, such as <http://204.13.248.115>.