

CS307 - Assignment 4 Report

by Group 2

Kalyani (b18063) and Rashika (b18080)

Youtube link for Demo: <https://youtu.be/gSchH7ik9AI>

- 1 Ques1
- 2 Ques2
- 3

Rashika:

IPv4 Address: 192.168.29.147

On ip2location:

49.37.74.184

Country
India
Region
Jharkhand
City
Ranchi

Kalyani:

IPv4 Address: 192.168.121.190

On ip2location:

Your IP Address
47.29.97.175
Country
India
Region
Jharkhand
City
Hazaribagh

ISP
Reliance Jio Infocomm Limited

The IP address shown on terminal is the private IP address of the machine while that shown by ip2location is public IP address. The public IP address is provided by ISP (Internet Service Provider) which can be seen by everyone in the world.

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```
C:\Users\kalya>tracert www.facebook.com

Tracing route to star-mini.c10r.facebook.com [2a03:2880:f144:82:face:b00c:0:25de]
over a maximum of 30 hops:

  1    2 ms    7 ms    1 ms    2409:4064:b9e:2e3e::9b
  2    *      *      *      Request timed out.
  3   138 ms   68 ms   59 ms   2405:200:313:a161:4::ff10
  4    89 ms   59 ms   87 ms   2405:200:801:1000::1b02
  5    *      *      *      Request timed out.
  6    *      *      *      Request timed out.
  7    86 ms   98 ms   76 ms   ae4.pr02.dell1.tfbnw.net [2620:0:1cff:dead:beee::e7c]
  8   143 ms   63 ms   89 ms   po102.psw01.dell1.tfbnw.net [2620:0:1cff:dead:bef0::455]
  9    82 ms   72 ms   78 ms   po5.msw1al.01.dell1.tfbnw.net [2a03:2880:f044:ffff::e7]
 10   96 ms   74 ms   61 ms   edge-star-mini6-shv-01-dell1.facebook.com [2a03:2880:f144:82:face:b00c:0:25de]

Trace complete.
```

We traceroute the www.facebook.com and which have maximum of 30 hops.

Trace was completed over 10 hops.

- 1 Hop 1
IP Address: 2409:4064:b9e:2e3e::9b
Location: Mumbai, Maharashtra (ril.com)
- 2 Hop 2
Request timed out
- 3 Hop 3
IP Address: 2405:200:313:a161:4::ff10
Location: Mumbai, Maharashtra (ril.com)
- 4 Hop 4
IP Address: 2405:200:801:1000::1b02
Location: Mumbai, Maharashtra (ril.com)
- 5 Hop 5
Request timed out
- 6 Hop 6
Request timed out
- 7 Hop 7
IP Address: 2620:0:1cff:dead:beee::e7c
Location: Menlo Park, California (facebook.com)
- 8 Hop 8
IP Address: 2620:0:1cff:dead:bef0::455
Location: Menlo Park, California (facebook.com)
- 9 Hop 9
IP Address: 2a03:2880:f044:ffff::e7
Location: Dublin, Ireland (facebook.com)
- 10 Hop 10
IP Address: 2a03:2880:f144:82:face:b00c:0:25de

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Location: Delhi, India ([facebook.com](https://www.facebook.com))