Traceroute (Qn 6)

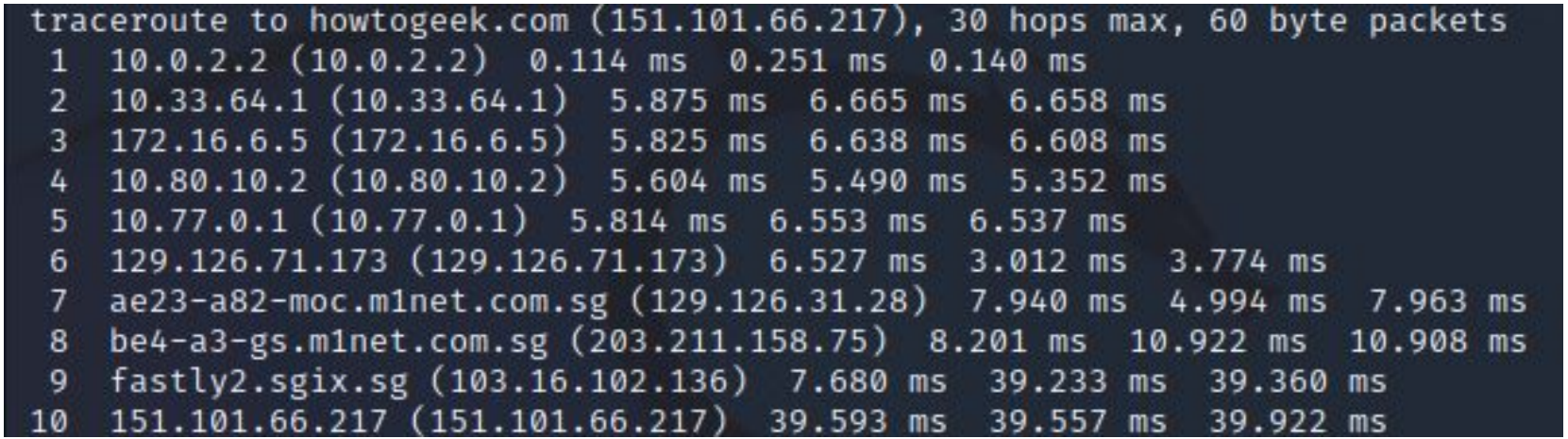
Traceroute (Unix)

Syntax : traceroute {options} [server]

Parameters:

+ -I : Indicate ICMP Probing

traceroute (unix)

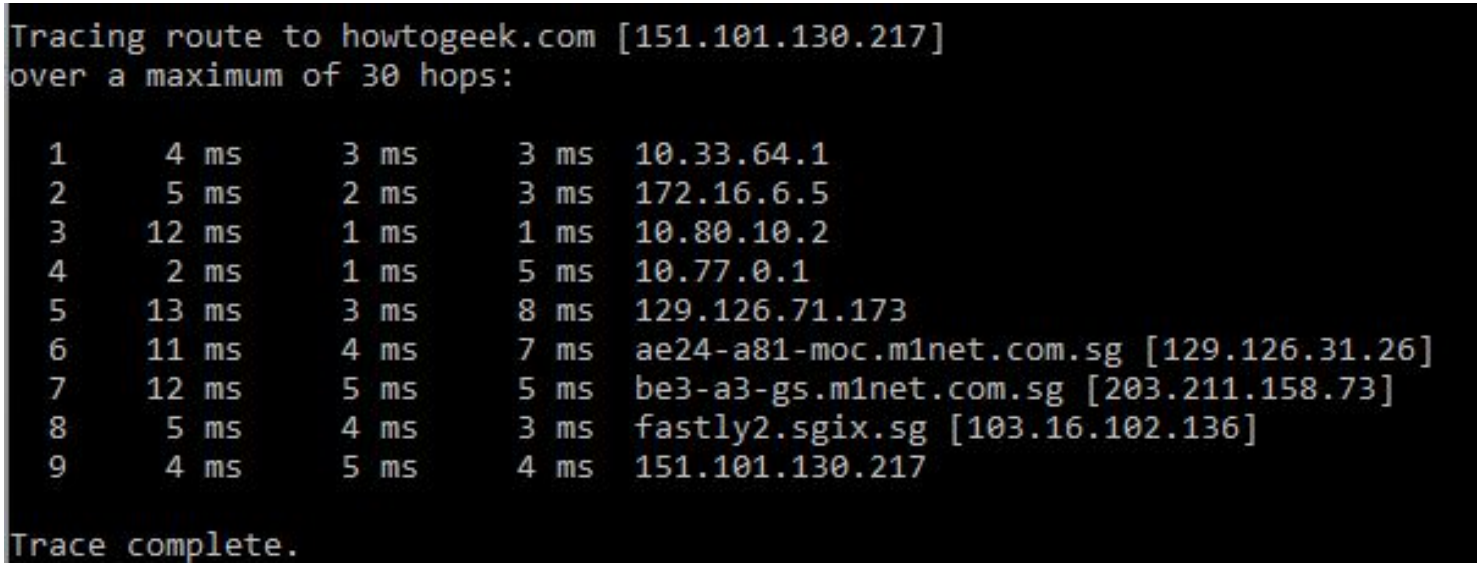


Q6a. 10 Hops in Unix

Traceroute (Windows)

Syntax : tracert {options} [server]

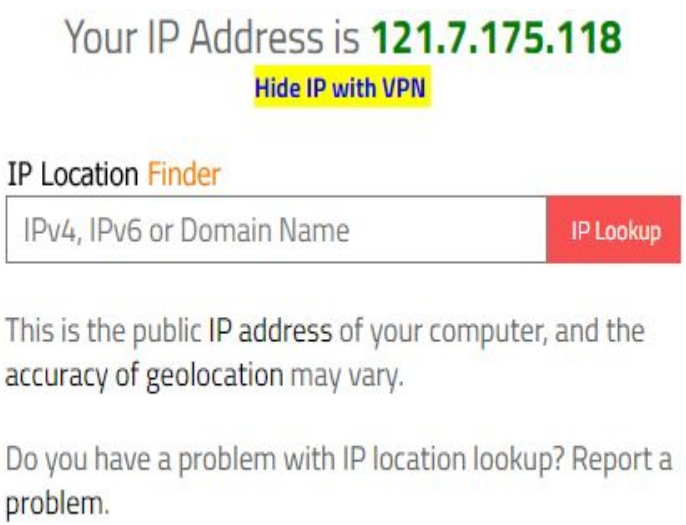
Traceroute windows



Q6a. 9 Hops in Windows

Boundary of Home Network

Windows example:



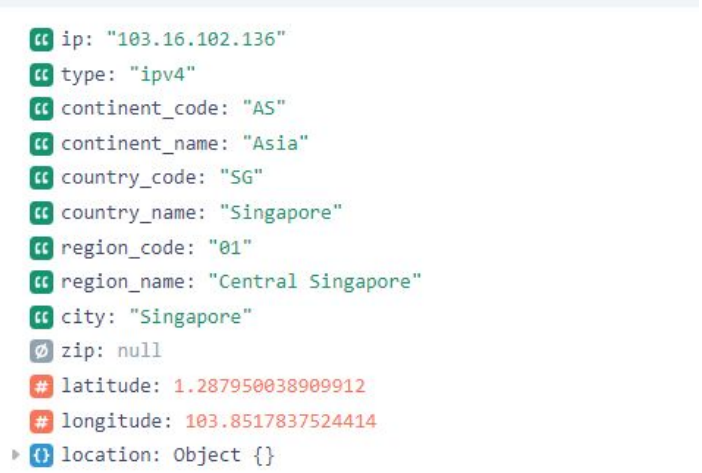

```
Tracing route to howtogeek.com [151.101.66.217]
over a maximum of 30 hops:

  1    28 ms     9 ms     9 ms  192.168.42.1
  2    13 ms    19 ms    57 ms  192.168.1.254
  3    33 ms    15 ms    14 ms  bb121-7-175-254.singnet.com.sg [121.7.175.254]
  4    16 ms    16 ms    49 ms  165.21.193.22
  5    17 ms    14 ms    21 ms  165.21.193.21
  6    44 ms    17 ms    15 ms  165.21.138.245
  7    22 ms    13 ms    13 ms  165.21.139.114
  8    50 ms    22 ms    15 ms  SN-SINTP1-BO118-ae2.singnet.com.sg [165.21.138.70]
  9    23 ms    36 ms    16 ms  SN-SINTP1-BO402-ae1.singnet.com.sg [165.21.138.94]
 10    16 ms    36 ms    35 ms  203.208.177.217
 11    21 ms    14 ms    15 ms  203.208.166.233
 12    35 ms    17 ms    17 ms  203.208.171.109
 13    28 ms    15 ms    14 ms  203.208.146.18
 14    53 ms    22 ms    65 ms  151.101.66.217
```

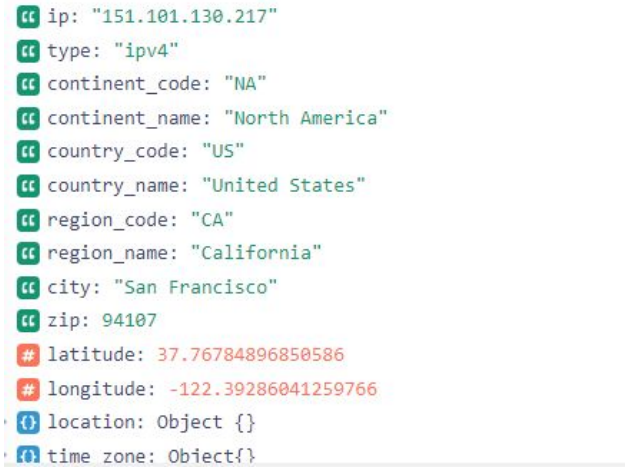
c . Destination Ip address

Unix example: 151.101.66.217

Windows example: 151.101.130.217

d. Can you determine the boundary of the Singapore network?





The last singapore ip would be 103.16.102.136
Then it jumps to the us for 151.101.130.217