

Written by Tom

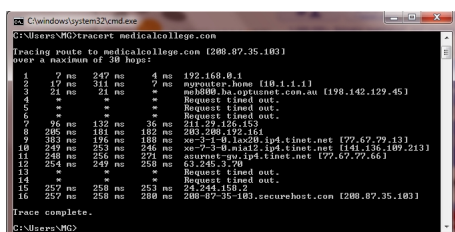
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Traceroute is a command which can show you the path a packet of data takes from your computer to another computer or a webserver hosting a website for example.

Open the command prompt and type:

**tracert domainname.com** (e.g. **tracert mediacollege.com**)

This will perform a traceroute from a home computer in New Zealand to mediacollege.com in USA



```
C:\Users\MO>tracert mediacollege.com
Tracing route to mediacollege.com [208.87.35.183]
over a maximum of 30 hops:
  0  7 ms  247 ms  4 ms  192.168.0.1
  1  17 ms  311 ms  7 ms  nycrouter.home [10.1.1.1]
  2  21 ms  21 ms  *  mc8809.be.optunet.com.au [198.142.129.45]
  3  *  *  *  Request timed out.
  4  *  *  *  Request timed out.
  5  *  *  *  Request timed out.
  6  *  *  *  Request timed out.
  7  36 ms  132 ms  36 ms  211.29.126.152
  8  285 ms  181 ms  182 ms  203.208.192.161
  9  383 ms  196 ms  188 ms  xe-3-1-0-las08 ip4.tinet.net [77.67.79.13]
 10  249 ms  253 ms  246 ms  xe-7-3-0-mal12 ip4.tinet.net [141.136.109.213]
 11  248 ms  256 ms  271 ms  egiinet-nus ip4.tinet.net [77.67.77.66]
 12  254 ms  249 ms  258 ms  63.245.3.70
 13  *  *  *  Request timed out.
 14  *  *  *  Request timed out.
 15  257 ms  258 ms  253 ms  24.244.158.19
 16  257 ms  258 ms  288 ms  208-87-35-183.securehost.com [208.87.35.183]
Trace complete.
C:\Users\MO>
```

The information may be interpreted as follows:

1 is the internet gateway on the network this traceroute was done from (an ADSL modem in this case)

2 is the ISP the origin computer is connected to (xtra.co.nz)

3 is also in the xtra network

4 timed out

5 - 9 are all routers on the global-gateway.net.nz network (the domain that is the internet gateway out of New Zealand)

10 - 14 are all gnaps.net in the USA (a telecom supplier in the USA)

15 - 17 are on the nac network (Net Access Corporation, an ISP in the New York area)

18 is a router on the network mediacollege.com is hosted on

and finally, line 19 is the computer mediacollege.com is hosted on (sol.yourhost.co.nz)