

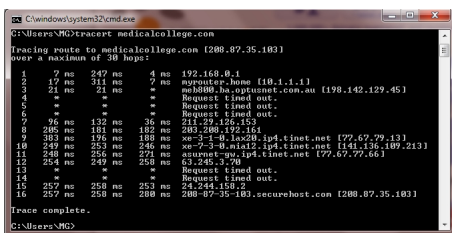
Written by Tom

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:\windows\system32\cmd.exe
C:\Users\MO>tracert mediacollege.com
Tracing route to mediacollege.com [208.87.35.183]
over a maximum of 30 hops:
 0  0 ms  0 ms  0 ms  192.168.0.1
 1  7 ms  247 ms  4 ms  192.168.0.1
 2  17 ms  311 ms  7 ms  nycrouter.home [10.1.1.1]
 3  21 ms  21 ms  *  mc8889.be.optunet.com.au [198.142.129.45]
 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 [77.67.29.13]
10  249 ms  253 ms  246 ms  xe-7-3-0-mat12 ip4.tinet.net [141.136.109.213]
11  248 ms  256 ms  271 ms  egiunet-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)