

Q3. Explore traceroute/tracert for different websites eg:google.com and analyse the parameters in the output and explore different options for traceroute command

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Administrator: Command Prompt
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C:\Windows\System32>tracert www.google.com

Tracing route to www.google.com [2404:6800:4007:82a::2004]
over a maximum of 30 hops:
  0  3 ms  4 ms  3 ms  2401:4900:234a:ebad::15
  1  *      *      *      Request timed out.
  2  35 ms  40 ms  30 ms  2401:4900:c4:11::175
  3  63 ms  27 ms  23 ms  2401:4900:c4:11::501
  4  36 ms  31 ms  27 ms  2404:a800:3a00:11::221
  5  70 ms  49 ms  35 ms  2404:a800::92
  6  *      *      *      Request timed out.
  7  64 ms  31 ms  62 ms  2404:6800:8133::1
  8  56 ms  58 ms  26 ms  2001:4860:0:1::55d0
  9  43 ms  38 ms  57 ms  2001:4860:0:1::55a9
 10  46 ms  38 ms  44 ms  maa03s45-in-x04.1e100.net [2404:6800:4007:82a::2004]

Trace complete.

C:\Windows\System32>tracert www.facebook.com

Tracing route to star-mini.c10r.facebook.com [2a03:2880:f184:186:face:b00c:0:25de]
over a maximum of 30 hops:
  0  3 ms  3 ms  3 ms  2401:4900:234a:ebad::15
  1  *      *      *      Request timed out.
  2  30 ms  56 ms  26 ms  2401:4900:c4:11::171
  3  25 ms  26 ms  24 ms  2401:4900:c4:11::499
  4  55 ms  36 ms  37 ms  2404:a800:3a00:11::219
  5  31 ms  37 ms  39 ms  g2600-1417-0078-0000-0000-0000-0001.deploy.static.akamaitechnologies.com [2600:1417:78::1]
  6  *      *      *      Request timed out.
  7  57 ms  28 ms  44 ms  2404:a800::92
  8  40 ms  71 ms  36 ms  ae5.pr01.tir1.tfbnw.net [2620:0:1cff:dead:beee::952]
  9  35 ms  38 ms  37 ms  po101.asu01.tir3.tfbnw.net [2620:0:1cff:dead:beef::1ec]
 10  35 ms  36 ms  38 ms  po209.psw02.tir3.tfbnw.net [2620:0:1cff:dead:beef::8845]
 11  63 ms  31 ms  28 ms  be6.msw1as-02.tir3.tfbnw.net [2a03:2880:f09d:ffff::120]
 12  58 ms  38 ms  31 ms  edge-star-mini6-shv-02-tir3.facebook.com [2a03:2880:f184:186:face:b00c:0:25de]

Trace complete.

C:\Windows\System32>^S
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Change Probe Packet Type:

ICMP

tracert -I www.google.com

Limit Maximum Hops

tracert -m 15 www.google.com

Change Packet Size

tracert -q 3 www.google.com