





```
Microsoft Windows [版本: 10.0.10240.321]
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C:\Users\8250>tracert 210.17.9.242

正在追蹤 30 個跳數至:
  目標: 210.17.9.242 [210.17.9.242] 的跳數由:
  0  192.16.98.254
  1  172.17.54.23
  2  172.17.54.23
  3  194.69.31.kinet.net [169.95.98.254]
  4  194.69.31.kinet.net [169.95.98.254]
  5  194.69.31.kinet.net [169.95.98.254]
  6  194.69.31.kinet.net [169.95.98.254]
  7  194.69.31.kinet.net [169.95.98.254]
  8  194.69.31.kinet.net [169.95.98.254]
  9  194.69.31.kinet.net [169.95.98.254]
 10  194.69.31.kinet.net [169.95.98.254]
 11  194.69.31.kinet.net [169.95.98.254]
 12  194.69.31.kinet.net [169.95.98.254]
 13  194.69.31.kinet.net [169.95.98.254]
 14  194.69.31.kinet.net [169.95.98.254]
 15  194.69.31.kinet.net [169.95.98.254]
 16  194.69.31.kinet.net [169.95.98.254]
 17  194.69.31.kinet.net [169.95.98.254]
 18  194.69.31.kinet.net [169.95.98.254]
 19  194.69.31.kinet.net [169.95.98.254]
 20  194.69.31.kinet.net [169.95.98.254]
 21  194.69.31.kinet.net [169.95.98.254]
 22  194.69.31.kinet.net [169.95.98.254]
 23  194.69.31.kinet.net [169.95.98.254]
 24  194.69.31.kinet.net [169.95.98.254]
 25  194.69.31.kinet.net [169.95.98.254]
 26  194.69.31.kinet.net [169.95.98.254]
 27  194.69.31.kinet.net [169.95.98.254]
 28  194.69.31.kinet.net [169.95.98.254]
 29  194.69.31.kinet.net [169.95.98.254]
 30  210.17.9.242 [210.17.9.242]

追蹤完成。
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圖 3：在 CMD 中執行 TRACEROUTE 結果

本專題的研究目的希望能夠在 ICMP 協定上找出可能存在的缺漏，我們使用 Fuzz 作為測試工具，以手動方式去更改 ICMP 協定中的欄位數值，將資料由客戶端(Client)送出給伺服器端(Server)，在送出資料的同時使用 Wireshark 進行封包監測，並確認在封包回傳時是否有異樣的數值產生，藉此去尋找可能存在的協定漏洞。