
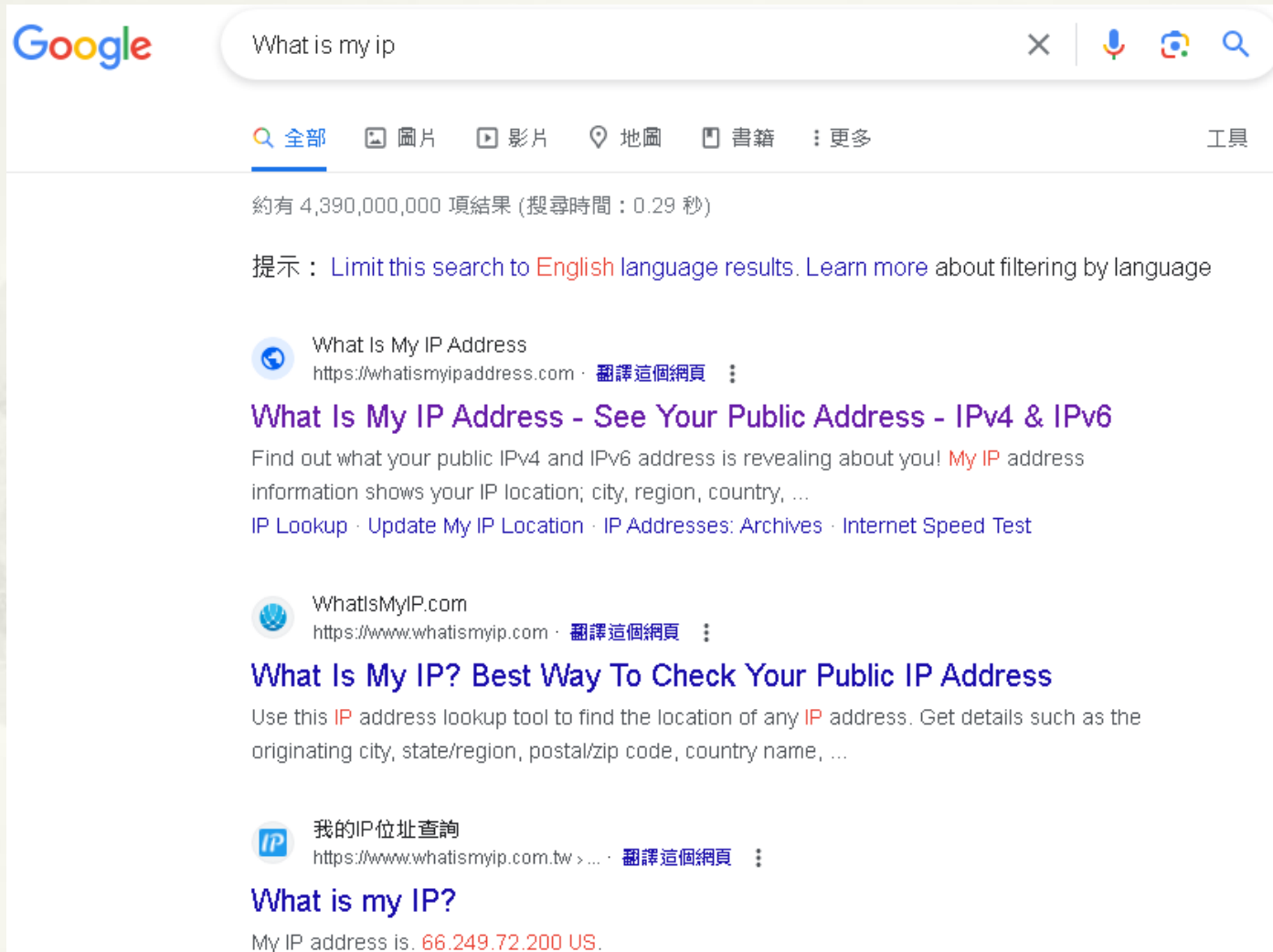


網管工具



如何得知使用者 目前使用之 **Public IP**

What is my ip



The image shows a Google search interface. At the top left is the Google logo. The search bar contains the text "What is my ip". To the right of the search bar are icons for voice search, image search, and a magnifying glass. Below the search bar are navigation tabs: "全部" (All), "圖片" (Images), "影片" (Videos), "地圖" (Maps), "書籍" (Books), and "更多" (More). The search results show approximately 4,390,000,000 results in 0.29 seconds. A tip suggests limiting the search to English language results. Three search results are visible, each with a blue icon, a title, a URL, and a brief description.


Google

What is my ip

全部 圖片 影片 地圖 書籍 更多 工具

約有 4,390,000,000 項結果 (搜尋時間 : 0.29 秒)


提示 : [Limit this search to English language results.](#) [Learn more](#) about filtering by language

 What Is My IP Address
<https://whatismyipaddress.com> · [翻譯這個網頁](#)

What Is My IP Address - See Your Public Address - IPv4 & IPv6


Find out what your public IPv4 and IPv6 address is revealing about you! **My IP** address information shows your IP location; city, region, country, ...

[IP Lookup](#) · [Update My IP Location](#) · [IP Addresses: Archives](#) · [Internet Speed Test](#)

 WhatIsMyIP.com
<https://www.whatismyip.com> · [翻譯這個網頁](#)

What Is My IP? Best Way To Check Your Public IP Address

Use this **IP** address lookup tool to find the location of any **IP** address. Get details such as the originating city, state/region, postal/zip code, country name, ...

 我的IP位址查詢
<https://www.whatismyip.com.tw> > ... · [翻譯這個網頁](#)

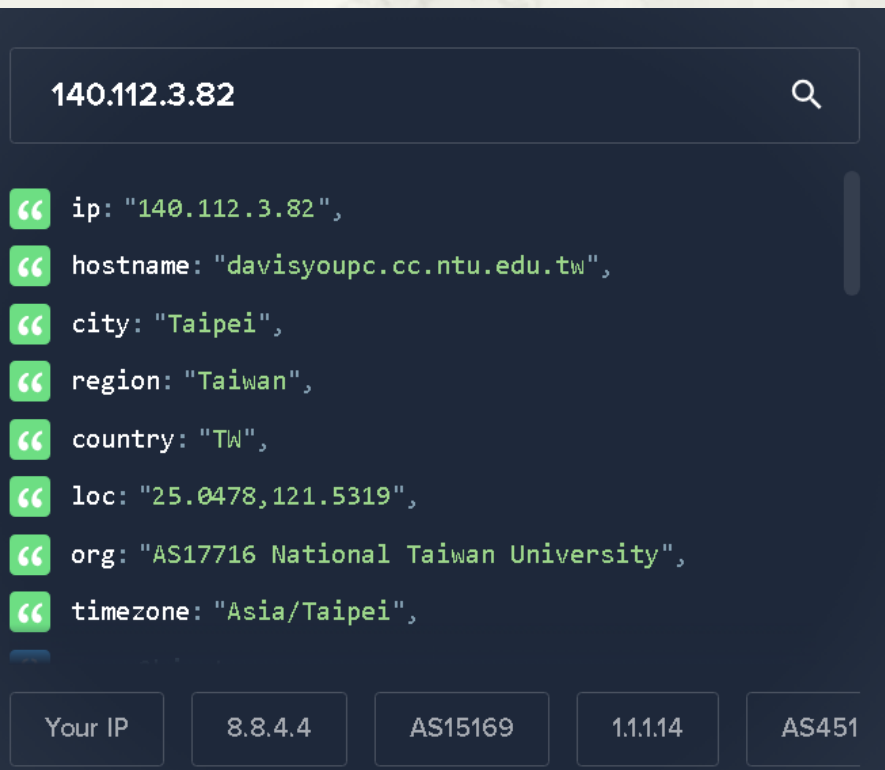
What is my IP?

My IP address is. **66.249.72.200 US.**

https://ipinfo.io/

網頁版

* <https://ipinfo.io/>



The screenshot shows the ipinfo.io website interface. At the top, there is a search bar containing the IP address "140.112.3.82". Below the search bar, a list of JSON-style key-value pairs is displayed, each preceded by a double quote icon. The keys and values are: ip: "140.112.3.82", hostname: "davisyoupc.cc.ntu.edu.tw", city: "Taipei", region: "Taiwan", country: "TW", loc: "25.0478,121.5319", org: "AS17716 National Taiwan University", and timezone: "Asia/Taipei". At the bottom of the page, there are five buttons: "Your IP", "8.8.4.4", "AS15169", "1.1.1.4", and "AS451".

文字版

* `curl https://ipinfo.io/`

```
root@ubuntu2204:~# curl https://ipinfo.io/
{"ip": "140.112.3.82",
  "hostname": "davisyoupc.cc.ntu.edu.tw",
  "city": "Taipei",
  "region": "Taiwan",
  "country": "TW",
  "loc": "25.0478,121.5319",
  "org": "AS17716 National Taiwan University",
  "timezone": "Asia/Taipei",
  "readme": "https://ipinfo.io/missingauth"}
```

TelnetMyIP.com

* telnet TelnetMyIP.com

```
root@ubuntu2204:~# telnet TelnetMyIP.com
Trying 3.19.111.8...
Connected to TelnetMyIP.com.
Escape character is '^]'.
{
  "comment": "##      Your IP Address is 140.112.3.82 (31373)      ##",
  "family": "ipv4",
  "ip": "140.112.3.82",
  "port": "31373",
  "protocol": "telnet",
  "version": "v1.3.0",
  "website": "https://github.com/packetsar/checkmyip",
  "sponsor": "Sponsored by ConvergeOne, https://www.convergeone.com/"
}
```

* ssh TelnetMyIP.com

```
root@ubuntu2204:~# ssh TelnetMyIP.com
{
  "comment": "##      Your IP Address is 140.112.3.82 (16872)      ##",
  "family": "ipv4",
  "ip": "140.112.3.82",
  "port": "16872",
  "protocol": "ssh",
  "version": "v1.3.0",
  "website": "https://github.com/packetsar/checkmyip",
  "sponsor": "Sponsored by ConvergeOne, https://www.convergeone.com/"
}
```



TraceRoute

TraceRoute 之限制

- * 目的 IP 需有回應 ping, TraceRoute 才可到達. (For Windows)
- * 台大資工首頁



- * Ping 有回應

```
C:\Users\user>ping www.csie.ntu.edu.tw

Ping www.csie.ntu.edu.tw [140.112.30.26] (使用 32 位元組的資料):
回覆自 140.112.30.26: 位元組=32 時間=1ms TTL=58
回覆自 140.112.30.26: 位元組=32 時間=1ms TTL=58
回覆自 140.112.30.26: 位元組=32 時間=1ms TTL=58
```

- * TraceRoute 可到達

```
C:\Users\user>tracert -d www.csie.ntu.edu.tw

在上限 30 個躍點上
追蹤 www.csie.ntu.edu.tw [140.112.30.26] 的路由:

 1  <1 ms    <1 ms    <1 ms    10.4.1.1
 2  1 ms     <1 ms    <1 ms    163.28.16.254
 3  1 ms     <1 ms    <1 ms    140.112.0.69
 4  8 ms     <1 ms    1 ms     140.112.0.201
 5  1 ms     <1 ms    1 ms     140.112.0.217
 6  3 ms     2 ms     2 ms     140.112.149.122
 7  1 ms     1 ms     <1 ms    140.112.30.26
```

TraceRoute 封包觀察 (Windows)

- * 一次發出三個 Ping Request 封包 with TTL= 1, 2, 3 ...，每次間隔 1 秒
- * 封包經過路由器(Routing) TTL - 1，When TTL=0 封包被丟棄時，路由器需發出 TTL Exceeded To Src IP

No.	Time	TTL	Source	Destination	Protocol	Length	Info
1	0.000000	1	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=53/13568, ttl=1 (no response)
2	0.000166	64,1	10.4.1.1	10.4.1.2	ICMP	134	Time-to-live exceeded (Time to live exceeded in transit)
3	0.001233	1	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=54/13824, ttl=1 (no response)
4	0.001327	64,1	10.4.1.1	10.4.1.2	ICMP	134	Time-to-live exceeded (Time to live exceeded in transit)
5	0.004422	1	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=55/14080, ttl=1 (no response)
6	0.004632	64,1	10.4.1.1	10.4.1.2	ICMP	134	Time-to-live exceeded (Time to live exceeded in transit)
7	1.018326	2	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=56/14336, ttl=2 (no response)
8	1.019269	254,1	163.28.16.254	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
9	1.020508	2	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=57/14592, ttl=2 (no response)
10	1.021183	254,1	163.28.16.254	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
11	1.022073	2	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=58/14848, ttl=2 (no response)
12	1.024214	254,1	163.28.16.254	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
13	2.033901	3	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=59/15104, ttl=3 (no response)
14	2.034653	253,1	140.112.0.69	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
15	2.035636	3	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=60/15360, ttl=3 (no response)
16	2.036620	253,1	140.112.0.69	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
17	2.037504	3	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=61/15616, ttl=3 (no response)
18	2.038245	253,1	140.112.0.69	10.4.1.2	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)

TraceRoute 封包觀察 (Windows)

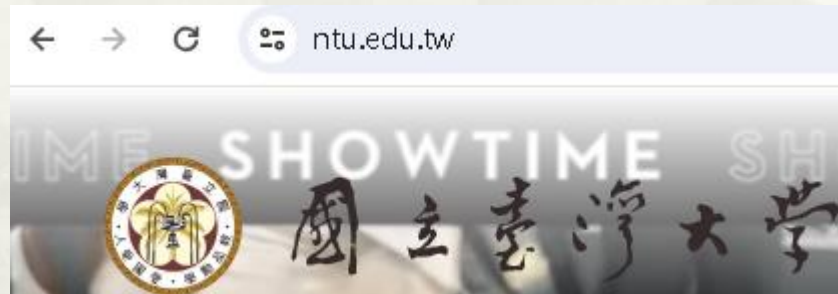
- * Node7(TTL=7) 已到達 www.csie.ntu.edu.tw
- * 有回應 Ping

No.	Time	TTL	Source	Destination	Protocol	Length	Info
31	5.080953	6	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=68/17408, ttl=6 (no
32	5.088550	248,1	140.112.149.122	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
33	5.089491	6	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=69/17664, ttl=6 (no
34	5.094509	248,1	140.112.149.122	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
35	5.095390	6	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=70/17920, ttl=6 (no
36	5.099691	248,1	140.112.149.122	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
37	6.112039	7	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=71/18176, ttl=7 (rep
38	6.113151	58	140.112.30.26	10.4.1.2	ICMP	106	Echo (ping) reply id=0x0001, seq=71/18176, ttl=58 (re
39	6.114395	7	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=72/18432, ttl=7 (rep
40	6.115353	58	140.112.30.26	10.4.1.2	ICMP	106	Echo (ping) reply id=0x0001, seq=72/18432, ttl=58 (re
41	6.116647	7	10.4.1.2	140.112.30.26	ICMP	106	Echo (ping) request id=0x0001, seq=73/18688, ttl=7 (rep
42	6.117645	58	140.112.30.26	10.4.1.2	ICMP	106	Echo (ping) reply id=0x0001, seq=73/18688, ttl=58 (re

TraceRoute 之限制

- * 只要目的 IP 不回應 ping, TraceRoute 就永遠無法到達. (For Windows)

- * 台大首頁



- * Ping 無回應

```
C:\Users\user>ping www.ntu.edu.tw
Ping www.ntu.edu.tw [140.112.8.116] (使用 32 位元組的資料):
要求等候逾時。
要求等候逾時。
```

- * TraceRoute 永遠無法到達

```
C:\Users\user>tracert -d www.ntu.edu.tw
在上限 30 個躍點上
追蹤 www.ntu.edu.tw [140.112.8.116] 的路由:

 1  <1 ms    <1 ms    <1 ms    10.4.1.1
 2  <1 ms    <1 ms    2 ms     163.28.16.254
 3  1 ms     <1 ms    <1 ms    140.112.0.69
 4  1 ms     <1 ms    <1 ms    140.112.0.201
 5  1 ms     1 ms     1 ms     140.112.0.209
 6  *        *        *        要求等候逾時。
 7  *        *        *        要求等候逾時。
```

TraceRoute 封包觀察 (Windows)

- * Node6(TTL=6) 已到達 www.ntu.edu.tw
- * 卻不回應 Ping

No.	Time	TTL	Source	Destination	Protocol	Length	Info
25	4.053755	5	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=86/22016, ttl=5 (no response)
26	4.054781	250,1	140.112.0.209	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
27	4.055872	5	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=87/22272, ttl=5 (no response)
28	4.057326	250,1	140.112.0.209	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
29	4.058270	5	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=88/22528, ttl=5 (no response)
30	4.059310	250,1	140.112.0.209	10.4.1.2	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
31	5.069270	6	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=89/22784, ttl=6 (no response)
32	8.757156	6	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=90/23040, ttl=6 (no response)
33	12.7572...	6	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=91/23296, ttl=6 (no response)
34	16.7607...	7	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=92/23552, ttl=7 (no response)
35	20.7571...	7	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=93/23808, ttl=7 (no response)
36	24.7571...	7	10.4.1.2	140.112.8.116	ICMP	106	Echo (ping) request id=0x0001, seq=94/24064, ttl=7 (no response)

Linux Ubuntu 22.04

* 台大資工

```
root@ubuntu-9:~# traceroute www.csie.ntu.edu.tw
traceroute to www.csie.ntu.edu.tw (140.112.30.26), 64 hops max
 1  163.28.16.254  0.754ms  0.733ms  0.669ms
 2  140.112.0.69  0.529ms  0.459ms  0.604ms
 3  140.112.0.201  1.799ms  0.771ms  1.420ms
 4  140.112.0.237  0.941ms  1.144ms  0.977ms
 5  140.112.149.122  294.407ms  241.055ms  226.900ms
 6  140.112.30.26  0.983ms  !* 0.830ms  !* 1.300ms  !*
```

TraceRoute 封包觀察 (Linux)

- * 一次發出三個 UDP 封包 with TTL= 1, 2, 3 ... , 每次間隔 0.02 秒
- * UDP Src Port 固定 , Dst Port 每次加 1

No.	Time	TTL	Source	Src Port	Destination	Dest Port	Protocol	Length	Info
1	0.000000	1	163.28.16.211	47582	140.112.30.26	33434	UDP	51	47582 → 33434 Len=9
2	0.000732	255,1	163.28.16.254	47582	163.28.16.211	33434	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
3	0.000792	1	163.28.16.211	47582	140.112.30.26	33434	UDP	51	47582 → 33434 Len=9
4	0.001497	255,1	163.28.16.254	47582	163.28.16.211	33434	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
5	0.001545	1	163.28.16.211	47582	140.112.30.26	33434	UDP	51	47582 → 33434 Len=9
6	0.002205	255,1	163.28.16.254	47582	163.28.16.211	33434	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
7	0.002238	2	163.28.16.211	47582	140.112.30.26	33435	UDP	51	47582 → 33435 Len=9
8	0.002746	254,1	140.112.0.69	47582	163.28.16.211	33435	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
9	0.002803	2	163.28.16.211	47582	140.112.30.26	33435	UDP	51	47582 → 33435 Len=9
10	0.003234	254,1	140.112.0.69	47582	163.28.16.211	33435	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
11	0.003296	2	163.28.16.211	47582	140.112.30.26	33435	UDP	51	47582 → 33435 Len=9
12	0.003876	254,1	140.112.0.69	47582	163.28.16.211	33435	ICMP	110	Time-to-live exceeded (Time to live exceeded in transit)
13	0.003925	3	163.28.16.211	47582	140.112.30.26	33436	UDP	51	47582 → 33436 Len=9
14	0.005675	253,1	140.112.0.201	47582	163.28.16.211	33436	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
15	0.005752	3	163.28.16.211	47582	140.112.30.26	33436	UDP	51	47582 → 33436 Len=9
16	0.006491	253,1	140.112.0.201	47582	163.28.16.211	33436	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
17	0.006540	3	163.28.16.211	47582	140.112.30.26	33436	UDP	51	47582 → 33436 Len=9
18	0.007914	253,1	140.112.0.201	47582	163.28.16.211	33436	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)

TraceRoute 封包觀察 (Linux)

- * Node6(TTL=6) 已到達 www.csie.ntu.edu.tw
- * 回應 ICMP Type3 Code10

No.	Time	TTL	Source	Src Port	Destination	Dest Port	Protocol	Length	Info
25	0.011132	5	163.28.16.211	47582	140.112.30.26	33438	UDP	51	47582 → 33438 Len=9
26	0.305470	249,1	140.112.149.122	47582	163.28.16.211	33438	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
27	0.305588	5	163.28.16.211	47582	140.112.30.26	33438	UDP	51	47582 → 33438 Len=9
28	0.546608	249,1	140.112.149.122	47582	163.28.16.211	33438	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
29	0.546711	5	163.28.16.211	47582	140.112.30.26	33438	UDP	51	47582 → 33438 Len=9
30	0.773563	249,1	140.112.149.122	47582	163.28.16.211	33438	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
31	0.773664	6	163.28.16.211	47582	140.112.30.26	33439	UDP	51	47582 → 33439 Len=9
32	0.774619	59,1	140.112.30.26	47582	163.28.16.211	33439	ICMP	79	Destination unreachable (Host administratively prohibited)
33	0.774677	6	163.28.16.211	47582	140.112.30.26	33439	UDP	51	47582 → 33439 Len=9
34	0.775476	59,1	140.112.30.26	47582	163.28.16.211	33439	ICMP	79	Destination unreachable (Host administratively prohibited)
35	0.775525	6	163.28.16.211	47582	140.112.30.26	33439	UDP	51	47582 → 33439 Len=9
36	0.776797	59,1	140.112.30.26	47582	163.28.16.211	33439	ICMP	79	Destination unreachable (Host administratively prohibited)

```
> Frame 36: 79 bytes on wire (632 bits), 79 bytes captured (632 bits)
> Ethernet II, Src: Cisco_30:7d:2e (70:e4:22:30:7d:2e), Dst: VMware_1f:ff:b5 (00:0c:29:1f:ff:b5)
> Internet Protocol Version 4, Src: 140.112.30.26, Dst: 163.28.16.211
✓ Internet Control Message Protocol
  Type: 3 (Destination unreachable)
  Code: 10 (Host administratively prohibited)
  Checksum: 0x5b92 [correct]
  [Checksum Status: Good]
  Unused: 00000000
> Internet Protocol Version 4, Src: 163.28.16.211, Dst: 140.112.30.26
> User Datagram Protocol, Src Port: 47582, Dst Port: 33439
> Data (9 bytes)
```

Linux Ubuntu 22.04

* 台大首頁

```
root@ubuntu-9:~# traceroute www.ntu.edu.tw
traceroute to www.ntu.edu.tw (140.112.8.116), 64 hops max
 1  163.28.16.254  0.671ms  0.659ms  0.587ms
 2  140.112.0.69  0.672ms  0.487ms  0.479ms
 3  140.112.0.201  0.983ms  0.715ms  0.799ms
 4  140.112.0.169  1.254ms  0.799ms  0.960ms
 5  * * *
 6  * * *
```

TraceRoute 封包觀察 (Linux)

- * Node5 (TTL=5) 已到達 www.ntu.edu.tw
- * 無回應

No.	Time	TTL	Source	Src Port	Destination	Dest Port	Protocol	Length	Info
19	0.006266	4	163.28.16.211	52767	140.112.8.116	33437	UDP	51	52767 → 33437 Len=9
20	0.007497	251,1	140.112.0.169	52767	163.28.16.211	33437	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
21	0.007573	4	163.28.16.211	52767	140.112.8.116	33437	UDP	51	52767 → 33437 Len=9
22	0.008350	251,1	140.112.0.169	52767	163.28.16.211	33437	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
23	0.008397	4	163.28.16.211	52767	140.112.8.116	33437	UDP	51	52767 → 33437 Len=9
24	0.009320	251,1	140.112.0.169	52767	163.28.16.211	33437	ICMP	70	Time-to-live exceeded (Time to live exceeded in transit)
25	0.009369	5	163.28.16.211	52767	140.112.8.116	33438	UDP	51	52767 → 33438 Len=9
26	4.457499	5	163.28.16.211	52767	140.112.8.116	33438	UDP	51	52767 → 33438 Len=9
27	7.460646	5	163.28.16.211	52767	140.112.8.116	33438	UDP	51	52767 → 33438 Len=9
28	10.4625...	6	163.28.16.211	52767	140.112.8.116	33439	UDP	51	52767 → 33439 Len=9
29	13.4656...	6	163.28.16.211	52767	140.112.8.116	33439	UDP	51	52767 → 33439 Len=9
30	16.4665...	6	163.28.16.211	52767	140.112.8.116	33439	UDP	51	52767 → 33439 Len=9

Protocol for TraceRoute

- * Windows
 - * ICMP Ping
- * Linux
 - * UDP
- * FreeBSD
 - * UDP
- * Cisco Router
 - * 待確認
- * Juniper
 - * 待確認
- * Mikrotik Router
 - * 待確認

TraceRoute by TCP

- * TraceTCP.exe
 - * <https://github.com/Oxcafed00d/tracetcp/releases/tag/v1.0.3>
- * 只要對方是網站, 就會回應 TCP Port 80/443, 就一定可以到達.
- * 台大首頁: 可順利到達

```
C:\Users\user\Documents>tracetcp.exe www.ntu.edu.tw
Tracing route to 140.112.8.116 [www.ntu.edu.tw] on port 80
Over a maximum of 30 hops.
  0  1 ms  1 ms  2 ms  10.4.1.1
  1  2 ms  7 ms  2 ms  163.28.16.254 [gateway163-16.ntu.edu.tw]
  2  2 ms  3 ms  1 ms  140.112.0.69
  3  2 ms  2 ms  3 ms  140.112.0.201
  4  4 ms  2 ms  3 ms  140.112.0.209
  5  Destination Reached in 3 ms. Connection established to 140.112.8.116
Trace Complete.
```



http-ping

http-ping

- * <https://www.coretechnologies.com/products/http-ping/>

http-ping

參數

- * -t

- * 持續

- * `http-ping.exe -t 140.112.237.5:8081`

- * -q

- * Ping with HEAD instead of GET (to avoid downloading the content):

- * 範例: `http-ping -q`

- `https://www.coretechnologies.com/products/AlwaysUp/AlwaysUpUserManual.pdf`

http-ping

參數

- * -r

- * Follow Redirects

- * 範例1

- * D:\>http-ping http://www.yahoo.com
 - * 1> Reply: [301/Redirected (permanent)] bytes=8 time=66ms
 - * 2> Reply: [301/Redirected (permanent)] bytes=8 time=50ms
 - * 3> Reply: [301/Redirected (permanent)] bytes=8 time=50ms

 - * D:\>http-ping -r http://www.yahoo.com
 - * 1> Reply: [200/OK] bytes=706284 time=1701ms
 - * 2> Reply: [200/OK] bytes=706322 time=1488ms
 - * 3> Reply: [200/OK] bytes=706383 time=1149ms

http-ping

參數

- * 範例2

- * TrueNAS: `http://172.16.0.21/` will redirect to `http://172.16.0.21/ui/`

- * `S:\Tools>http-ping.exe 172.16.0.21`

- * `1> Reply: [302/Redirected] bytes=138 time<10ms`

- * `2> Reply: [302/Redirected] bytes=138 time<10ms`

- * `3> Reply: [302/Redirected] bytes=138 time<10ms`

- * `4> Reply: [302/Redirected] bytes=138 time<10ms`

- *

- * `S:\Tools>http-ping.exe -r 172.16.0.21`

- * `1> Reply: [200/OK] bytes=14334 time<10ms`

- * `2> Reply: [200/OK] bytes=14334 time<10ms`

- * `3> Reply: [200/OK] bytes=14334 time<10ms`

- * `4> Reply: [200/OK] bytes=14334 time<10ms`

http-ping

參數

- * -p

- * Through a proxy server:

- * 範例: `http-ping -p http://142.4.15.25:3128 https://www.coretechnologies.com`



Nmap/Nping

<https://nmap.org>

設備盤點

nmap

- * 同網段: arp

- * nmap -sn 140.112.3.0/29

```
C:\Users\user\Desktop\nmap-7.92>nmap -sn 140.112.3.0/29
Starting Nmap 7.92 ( https://nmap.org ) at 2021-09-23 17:31 台北標準時間
Nmap scan report for wlradius.cc.ntu.edu.tw (140.112.3.2)
Host is up (0.0020s latency).
MAC Address: 6C:3B:6B:E6:8D:A4 (Routerboard.com)
Nmap scan report for kptest.cc.ntu.edu.tw (140.112.3.4)
Host is up (0.0010s latency).
MAC Address: 8C:EC:4B:99:A0:AB (Dell)
Nmap scan report for telunyangpc.cc.ntu.edu.tw (140.112.3.5)
Host is up (0.0010s latency).
MAC Address: BC:EE:7B:DD:0B:7D (Asustek Computer)
Nmap scan report for chenyucheng.cc.ntu.edu.tw (140.112.3.6)
Host is up (0.0010s latency).
MAC Address: BC:EE:7B:DB:5D:75 (Asustek Computer)
Nmap done: 8 IP addresses (4 hosts up) scanned in 1.39 seconds
```

- * 不同網段: ping

- * nmap -sn 140.112.3.0/29

```
D:\Downloads\nmap-7.92>nmap -sn 140.112.3.0/29
Starting Nmap 7.92 ( https://nmap.org ) at 2021-09-23 17:35 台北標準時間
Nmap scan report for wlradius.cc.ntu.edu.tw (140.112.3.2)
Host is up (0.0019s latency).
Nmap done: 8 IP addresses (1 host up) scanned in 1.98 seconds
```

設備盤點

nping

- * 同網段
- * nping -arp 140.112.3.0/29

```
C:\Users\user\Desktop\nmap-7.92>nping --arp 140.112.3.0/29

Starting Nping 0.7.92 ( https://nmap.org/nping ) at 2021-09-23 17:36 台北標準時間
SENT (0.0890s) ARP who has 140.112.3.0? Tell 140.112.3.105
SENT (1.0900s) ARP who has 140.112.3.1? Tell 140.112.3.105
SENT (2.0900s) ARP who has 140.112.3.2? Tell 140.112.3.105
RCVD (2.0910s) ARP reply 140.112.3.2 is at 6C:3B:6B:E6:8D:A4
SENT (3.0900s) ARP who has 140.112.3.3? Tell 140.112.3.105
SENT (4.0900s) ARP who has 140.112.3.4? Tell 140.112.3.105
RCVD (4.0910s) ARP reply 140.112.3.4 is at 8C:EC:4B:99:A0:AB
SENT (5.0900s) ARP who has 140.112.3.5? Tell 140.112.3.105
RCVD (5.0910s) ARP reply 140.112.3.5 is at BC:EE:7B:DD:0B:7D
SENT (6.0900s) ARP who has 140.112.3.6? Tell 140.112.3.105
RCVD (6.0910s) ARP reply 140.112.3.6 is at BC:EE:7B:DB:5D:75
SENT (7.0900s) ARP who has 140.112.3.7? Tell 140.112.3.105
```

- * nping --icmp 140.112.3.0/29

```
C:\Users\user\Desktop\nmap-7.92>nping --icmp 140.112.3.0/29

Starting Nping 0.7.92 ( https://nmap.org/nping ) at 2021-09-23 17:36 台北標準時間
SENT (0.0910s) ICMP [140.112.3.105 > 140.112.3.0 Echo request (type=8/code=0) id=47530 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (1.0920s) ICMP [140.112.3.105 > 140.112.3.1 Echo request (type=8/code=0) id=26614 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (2.0920s) ICMP [140.112.3.105 > 140.112.3.2 Echo request (type=8/code=0) id=60186 seq=1] IP [ttl=64 id=16291 iplen=28 ]
RCVD (2.0930s) ICMP [140.112.3.2 > 140.112.3.105 Echo reply (type=0/code=0) id=60186 seq=1] IP [ttl=64 id=34751 iplen=28 ]
SENT (3.0920s) ICMP [140.112.3.105 > 140.112.3.3 Echo request (type=8/code=0) id=58497 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (4.0920s) ICMP [140.112.3.105 > 140.112.3.4 Echo request (type=8/code=0) id=4059 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (5.0920s) ICMP [140.112.3.105 > 140.112.3.5 Echo request (type=8/code=0) id=53610 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (6.0920s) ICMP [140.112.3.105 > 140.112.3.6 Echo request (type=8/code=0) id=40484 seq=1] IP [ttl=64 id=16291 iplen=28 ]
SENT (7.0920s) ICMP [140.112.3.105 > 140.112.3.7 Echo request (type=8/code=0) id=59260 seq=1] IP [ttl=64 id=16291 iplen=28 ]
```