ip سایت twitter.com با استفاده از دستور nslookup و ping کردن آن

```
C:\Users\moradi>nslookup twitter.com
Server: UnKnown
Address: fe80::5e51:81ff:fe0a:5a6d

Non-authoritative answer:
Name: twitter.com
Addresses: 10.10.34.35

10.10.34.35

C:\Users\moradi>ping 10.10.34.35

Pinging 10.10.34.35 with 32 bytes of data:
Request timed out.
Ping statistics for 10.10.34.35:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

ip سایت twitter.com با استفاده از سایت ip و ping.eu کردن آن

twitter.com has address 104.244.42.193 twitter.com has address 104.244.42.1

```
C:\Users\moradi>ping 104.244.42.193

Pinging 104.244.42.193 with 32 bytes of data:
Reply from 104.244.42.193: bytes=32 time=149ms TTL=47
Reply from 104.244.42.193: bytes=32 time=128ms TTL=47
Reply from 104.244.42.193: bytes=32 time=125ms TTL=47
Reply from 104.244.42.193: bytes=32 time=385ms TTL=47

Ping statistics for 104.244.42.193:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 125ms, Maximum = 385ms, Average = 196ms
```

دو آدرس متفاوت می باشد. به دلیل اینکه سایت twitter برای ما فیلتر شده است و آدرس ip که سیستم به ما می دهد، اشتباه هست و نمیتواند ping یا traceroot کند.

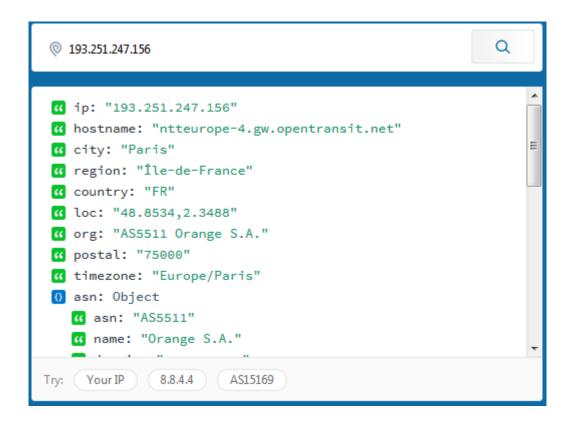
```
C:\Users\moradi>tracert 10.10.34.35
Tracing route to 10.10.34.35 over a maximum of 30 hops
          39 ms
                        1 ms
                                     1 ms
                                              192.168.43.1
 12345678901123456789012234567890
11123456789012234567890
                                     ×
                                              Request timed
                                                                  out.
                                              Request timed
                                                                 out.
                                              Request timed out.
Request timed out.
           ×
                        ×
                                     ×
           *
                        *
                                     ×
                                              Request timed out.
           ×
                        ×
                                     ×
                                              Request
                                                         timed
                                                                 out.
                                              Request timed out.
                                              Request timed out.
Request timed out.
10.21.251.166
10.21.111.10
10.21.21.11
Request timed out.
                      91 ms
59 ms
57 ms
         74 ms
78 ms
                                    36 ms
                                     ×
                                    77
          44
                                        ms
                                              Request timed out.
185.57.202.229
        151 ms
                                    45
                       51 ms
                                       ms
                                              Request timed out.
Request timed out.
Request timed out.
                                     ×
           *
                                     *
                                              Request timed out.
           ×
                                     ×
                                              Request
                                                         timed out.
           ×
                                     ×
                                              Request
                                                         timed out.
           ×
                                              Request
                                                         timed out.
                                                         timed out.
           ×
                                              Request
           ×
                                     *
                                              Request timed out.
           ×
                                     ×
                                              Request
                                                         timed out.
           ×
                                     ×
                                              Request
                                                         timed out.
           ×
                                                         timed out.
                                              Request
           ×
                                              Request timed out.
           ×
                        *
                                     ×
                                              Request timed out.
                                              Request timed out.
Trace complete.
```

tracert کردن سایت twitter با ping.eu کردن سایت twitter کردن سایت

```
C:\Users\moradi>tracert 104.244.42.193
Tracing route to 104.244.42.193 over a maximum of 30 hops
                                                       192.168.43.1
Request timed out.
10.21.251.166
10.21.111.10
193.251.252.153
et-13-0-0-0.ffttr7.frankfurt.opentransit.net [19]
           10 ms
                             1
                                             1 ms
1
2
3
4
5
6
7
8
9
10
11
12
13
13
                             *
             ×
                                             ×
             ×
                             ×
                                             ×
                             ×
                                             ×
                             ×
                                             ×
                             ×
                                             ×
                                             ×
         42 ms
56 ms
130 ms
126 ms
133.71
                                          38 ms
70 ms
116 ms
132 ms
                            38 ms
                          *
119
107
                                 ms
                                 MS
          123
                          119 ms
                                                        ntteurope-4.gw.opentransit.net [193.251.247.156]
                ms
                                          118 ms
 14
                                                        ae-3.r21.frnkge13.de.bb.gin.ntt.net [129.250.6.5
          138 ms
                          135 ms
                                          125 ms
0]
15
85]
                                                        ae-5.r00.frnkge07.de.bb.gin.ntt.net [129.250.4.1
          131 ms
                          117 ms
                                          118 ms
 16
17
                          \frac{131}{130}
                                          \frac{118}{118}
                                                        213.198.82.214
104.244.42.193
          186
                ms
                                 MS
          150 ms
Trace complete.
```

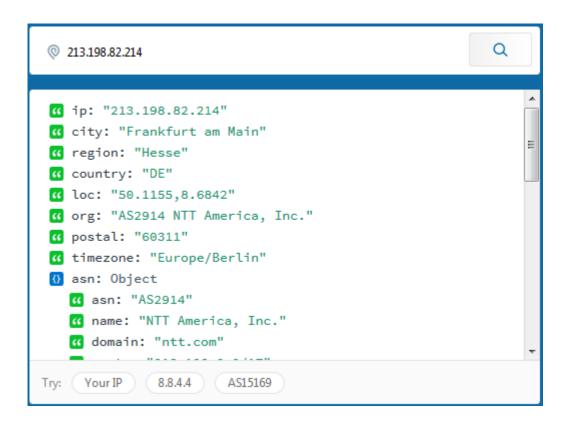


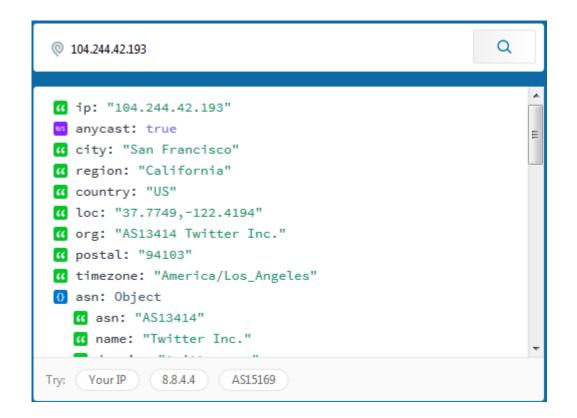




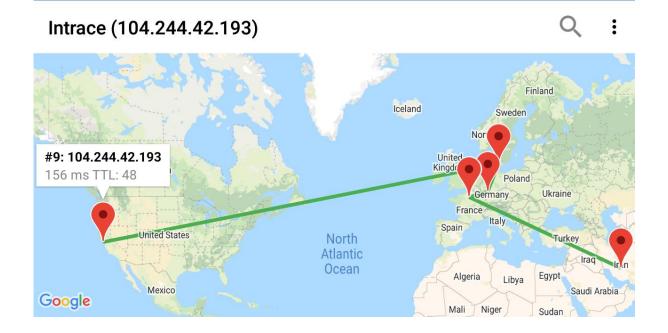








twitter مسیر ارتباطی با سرور $^{1-0}$



#0: Your coordinates

lat/lng: (30.413052156979276,54.158866368234165)

#1: IP: 10.21.251.166

Host: 10.21.251.166

ISP: N/A

Ping:

5088 ms (TCP)

5078 ms (TCP)

5082 ms (TCP)

N/A

lat: 0.0

lon: 0.0

#2: IP: 10.21.111.10

Host: 10.21.111.10

ISP: N/A

Ping:

5079 ms (TCP)

5070 ms (TCP)

5081 ms (TCP)

N/A

lat: 0.0

lon: 0.0

#3: IP: 193.251.252.153

Host: 193.251.252.153

ISP: France Telecom ()

Ping:

112 ms TTL: 54

115 ms TTL: 54

115 ms TTL: 54

France (Paris)

lat: 48.8627

lon: 2.35976

#5: IP: 193.251.247.156

Host: ntteurope-4.gw.opentransit.net

ISP: France Telecom ()

Ping:

141 ms TTL: 239

120 ms TTL: 239

138 ms TTL: 239

France (Paris)

lat: 48.8627

lon: 2.35976

#4: IP: 193.251.133.7

Host: et-13-0-0-0.ffttr7.frankfurt.opentransit.net

ISP: France Telecom ()

Ping:

5066 ms (TCP)

5078 ms (TCP)

5073 ms (TCP)

France (Bagnolet)

lat: 48.8686

lon: 2.41473

#6: IP: 129.250.6.50

Host: ae-3.r21.frnkge13.de.bb.gin.ntt.net

ISP: NTT America, Inc. (NTT America, Inc.)

Ping:

129 ms TTL: 50

122 ms TTL: 50

124 ms TTL: 50

Germany (Frankfurt am Main)

lat: 50.1109

lon: 8.68213

#7: IP: 129.250.4.185

Host: ae-5.r00.frnkge07.de.bb.gin.ntt.net

ISP: NTT America, Inc. (NTT America, Inc.)

Ping:

124 ms TTL: 241

131 ms TTL: 241

127 ms TTL: 241

Germany (Frankfurt am Main)

lat: 50.1109

lon: 8.68213

#8: IP: 213.198.82.214

Host: 213.198.82.214

ISP: NTT America, Inc. (NTT Europe, Ltd.)

Ping:

134 ms TTL: 50

134 ms TTL: 50

131 ms TTL: 50

Denmark (Ballerup Municipality)

lat: 55.7327

lon: 12.3656

#9: IP: 104.244.42.193

Host: 104.244.42.193

ISP: Twitter Inc. (Twitter Inc)

Ping:

156 ms TTL: 48

United States (San Francisco)

lat: 37.7768

lon: -122.416

ping (۲ کردن لب تاب با گوشی

△ 6

← Ping

START

(1)	Target host	MORADI-PC
~	Average ping	14 ms
\downarrow	Minimum ping	1.0 ms
\uparrow	Maximum ping	187 ms
\otimes	Packet loss	0.0 %
σ	Std. Dev.	2.0 ms



۳) تبدیل آدرس کامپیوتر از حالت دینامیک به استاتیک

Internet Protocol Version 4 (TCP/IPv4)	Properties ? X		
General			
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
Obtain an IP address automatically			
Use the following IP address:			
IP address:	192 . 168 . 1 . 120		
Subnet mask:	255 . 255 . 255 . 0		
Default gateway:	192 . 168 . 1 . 1		
Obtain DNS server address automatically			
Use the following DNS server addresses:			
Preferred DNS server:	8 . 8 . 8 . 8		
Alternate DNS server:	4 . 2 . 2 . 4		
Validate settings upon exit	Advanced		
	OK Cancel		

همان طور که در شکل زیر مشاهده می شود، اینترنت برای مدتی قطع می شود و مجددا وصل میشود.

```
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=85ms TTL=106
Reply from 8.8.8.8: bytes=32 time=87ms TTL=106
Reply from 8.8.8.8: bytes=32 time=114ms TTL=106
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.
Reply from 8.8.8.8: bytes=32 time=90ms TTL=106
Reply from 8.8.8.8: bytes=32 time=92ms TTL=106
Reply from 8.8.8.8: bytes=32 time=112ms TTL=106
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
```

```
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=89ms TTL=106
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
Reply from 8.8.8.8: bytes=32 time=87ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=86ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=88ms TTL=106
Reply from 8.8.8.8: bytes=32 time=87ms TTL=106
```

۳-۳) مشاهده ip در حالت داینامیک و استاتیک