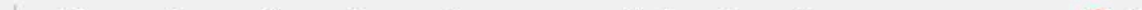```
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
        ether 98:01:a7:ae:be:f7
        inet6 fe80::1076:1575:3446:ee7c%en0 prefixlen 64 secured scopeid 0x5
        inet 192.168.1.22 netmask 0xffffff00 broadcast 192.168.1.255
        nd6 options=201<PERFORMNUD,DAD>
        media: autoselect
        status: active
```

# Your Public IP address is:117.152.41.223

Your public IP address was determined by examining the $_SERVER['REMOTE_ADDR'] superglobal.

```
Last login: Thu Feb 27 15:53:42 on ttys001

# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [15:54:26]
$ nslookup baidu.com
Server:         192.168.1.1
Address:        192.168.1.1#53

Non-authoritative answer:
Name:   baidu.com
Address: 39.156.69.79


# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [15:55:03]
$ nslookup -type=ns baidu.com
Server:         192.168.1.1
Address:        192.168.1.1#53

Non-authoritative answer:
baidu.com       nameserver = ns2.baidu.com.
baidu.com       nameserver = dns.baidu.com.
baidu.com       nameserver = ns7.baidu.com.
baidu.com       nameserver = ns3.baidu.com.
baidu.com       nameserver = ns4.baidu.com.

Authoritative answers can be found from:


# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [15:55:19]
$ nslookup baidu.com ns7.baidu.com
Server:         ns7.baidu.com
Address:        180.76.76.92#53

Name:   baidu.com
Address: 39.156.69.79
Name:   baidu.com
Address: 220.181.38.148


# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [15:55:39]
$ nslookup 114.114.114.114
Server:         192.168.1.1
Address:        192.168.1.1#53

Non-authoritative answer:
114.114.114.114.in-addr.arpa    name = localhost.

Authoritative answers can be found from:


# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [15:56:13]
$ []
```

```
Last login: Wed Feb 26 23:49:44 on ttys000

# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [23:58:31]
$ whois tencent.com
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

refer:        whois.verisign-grs.com

domain:       COM

organisation: VeriSign Global Registry Services
address:      12061 Bluemont Way
address:      Reston Virginia 20190
address:      United States

contact:      administrative
name:         Registry Customer Service
organisation: VeriSign Global Registry Services
address:      12061 Bluemont Way
address:      Reston Virginia 20190
address:      United States
phone:        +1 703 925-6999
fax-no:       +1 703 948 3978
e-mail:       info@verisign-grs.com

contact:      technical
name:         Registry Customer Service
organisation: VeriSign Global Registry Services
address:      12061 Bluemont Way
address:      Reston Virginia 20190
address:      United States
phone:        +1 703 925-6999
fax-no:       +1 703 948 3978
e-mail:       info@verisign-grs.com

nserver:      A.GTLD-SERVERS.NET 192.5.6.30 2001:503:a83e:0:0:0:2:30
nserver:      B.GTLD-SERVERS.NET 192.33.14.30 2001:503:231d:0:0:0:2:30
nserver:      C.GTLD-SERVERS.NET 192.26.92.30 2001:503:83eb:0:0:0:0:30
nserver:      D.GTLD-SERVERS.NET 192.31.80.30 2001:500:856e:0:0:0:0:30
nserver:      E.GTLD-SERVERS.NET 192.12.94.30 2001:502:1ca1:0:0:0:0:30
nserver:      F.GTLD-SERVERS.NET 192.35.51.30 2001:503:d414:0:0:0:0:30
nserver:      G.GTLD-SERVERS.NET 192.42.93.30 2001:503:eea3:0:0:0:0:30
nserver:      H.GTLD-SERVERS.NET 192.54.112.30 2001:502:8cc:0:0:0:0:30
nserver:      I.GTLD-SERVERS.NET 192.43.172.30 2001:503:39c1:0:0:0:0:30
nserver:      J.GTLD-SERVERS.NET 192.48.79.30 2001:502:7094:0:0:0:0:30
nserver:      K.GTLD-SERVERS.NET 192.52.178.30 2001:503:d2d:0:0:0:0:30
nserver:      L.GTLD-SERVERS.NET 192.41.162.30 2001:500:d937:0:0:0:0:30
nserver:      M.GTLD-SERVERS.NET 192.55.83.30 2001:501:b1f9:0:0:0:0:30
ds-rdata:     30909 8 2 E2D3C916F6DEEAC73294E8268FB5885044A833FC5459588F4A9184CFC41A5766

whois:        whois.verisign-grs.com

status:       ACTIVE
remarks:      Registration information: http://www.verisigninc.com

created:      1985-01-01
changed:      2017-10-05
source:       IANA

   Domain Name: TENCENT.COM
   Registry Domain ID: 3216596_DOMAIN_COM-VRSN
   Registrar WHOIS Server: whois.markmonitor.com
   Registrar URL: http://www.markmonitor.com
   Updated Date: 2019-08-12T09:11:43Z
   Creation Date: 1998-09-14T04:00:00Z
   Registry Expiry Date: 2021-09-13T04:00:00Z
   Registrar: MarkMonitor Inc.
   Registrar IANA ID: 292
   Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
   Registrar Abuse Contact Phone: +1.2083895740
   Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited
   Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
   Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited
   Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
   Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
   Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited
   Name Server: NS1.QQ.COM
   Name Server: NS2.QQ.COM
   Name Server: NS3.QQ.COM
   Name Server: NS4.QQ.COM
   DNSSEC: unsigned
   URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/
>>> Last update of whois database: 2020-02-26T15:58:36Z <<<

Domain Name: tencent.com
Registry Domain ID: 3216596_DOMAIN_COM-VRSN
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: http://www.markmonitor.com
Updated Date: 2019-08-12T02:11:43-0700
Creation Date: 1998-09-13T21:00:00-0700
Registrar Registration Expiration Date: 2021-09-12T00:00:00-0700
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2083895770
Domain Status: clientUpdateProhibited (https://www.icann.org/epp#clientUpdateProhibited)
Domain Status: clientTransferProhibited (https://www.icann.org/epp#clientTransferProhibited)
Domain Status: clientDeleteProhibited (https://www.icann.org/epp#clientDeleteProhibited)
Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)
Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)
Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)
Registrant Organization: Tencent Technology (shenzhen) Co.Ltd.
Registrant State/Province: Guang Dong
Registrant Country: CN
Registrant Email: Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com
Admin Organization: Tencent Technology (shenzhen) Co.Ltd.
Admin State/Province: Guang Dong
Admin Country: CN
Admin Email: Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com
Tech Organization: Tencent Technology (shenzhen) Co.Ltd.
Tech State/Province: Guang Dong
Tech Country: CN
Tech Email: Select Request Email Form at https://domains.markmonitor.com/whois/tencent.com
Name Server: ns4.qq.com
Name Server: ns3.qq.com
Name Server: ns1.qq.com
Name Server: ns2.qq.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/
>>> Last update of WHOIS database: 2020-02-26T07:58:46-0800 <<<

# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [0:04:13]
$ []
```

Last login: Wed Feb 26 23:44:16 on ttys001

# tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [23:49:45]
$ traceroute microsoft.com
traceroute: Warning: microsoft.com has multiple addresses; using 13.77.161.179
traceroute to microsoft.com (13.77.161.179), 64 hops max, 52 byte packets
 1 192.168.1.1 (192.168.1.1) 2.614 ms 1.313 ms 1.075 ms
 2 100.64.0.1 (100.64.0.1) 51.248 ms 4.873 ms 4.440 ms
 3 223.75.75.173 (223.75.75.173) 11.749 ms 6.601 ms 6.098 ms
 4 120.202.0.29 (120.202.0.29) 10.381 ms 16.848 ms 11.660 ms
 5 localhost (120.202.0.214) 10.582 ms 10.159 ms 10.881 ms
 6 120.202.0.213 (120.202.0.213) 11.322 ms 11.169 ms 10.760 ms
 7 * * *
 8 221.176.21.34 (221.176.21.34) 38.194 ms 39.374 ms
    221.176.27.229 (221.176.27.229) 40.808 ms
 9 221.176.24.158 (221.176.24.158) 37.326 ms 32.633 ms 32.706 ms
10 221.176.24.58 (221.176.24.58) 91.460 ms * 94.814 ms
11 221.183.30.138 (221.183.30.138) 76.396 ms *
    221.183.30.146 (221.183.30.146) 74.222 ms
12 223.118.3.89 (223.118.3.89) 106.310 ms 110.710 ms 106.095 ms
13 223.119.0.174 (223.119.0.174) 72.572 ms 66.663 ms 75.339 ms
14 * ae26-0.icr01.hkg31.ntwk.msn.net (104.44.237.197) 38.776 ms 39.149 ms
15 be-100-0.ibr01.hkg31.ntwk.msn.net (104.44.11.125) 272.902 ms * 270.196 ms
16 be-11-0.ibr01.tyo79.ntwk.msn.net (104.44.17.134) 319.422 ms * 421.346 ms
17 be-7-0.ibr01.pdx30.ntwk.msn.net (104.44.18.167) 305.988 ms 300.958 ms 302.853 ms
18 be-4-0.ibr03.mwh01.ntwk.msn.net (104.44.16.66) 286.661 ms * 285.222 ms
19 * * ae141-0.icr01.mwh01.ntwk.msn.net (104.44.21.156) 289.764 ms
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tianyizhang @ zhangtianyideMacBook-Pro-4295 in ~ [0:06:52]
$ []