1、

```
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
        options=400<CHANNEL_IO>
        ether 64:c7:53:e9:f1:c6
        inet6 fe80::c4d:479:345:2168%en0 prefixlen 64 secured scopeid 0x4
        inet 10.219.150.59 netmask 0xfffffc000 broadcast 10.219.191.255
        nd6 options=201<PERFORMNUD,DAD>
        media: autoselect
        status: active
```

2、



3、

```
chydemac:~ aplle$ nslookup baidu.com
Server:         114.114.114.114
Address:        114.114.114.114#53

Non-authoritative answer:
Name:    baidu.com
Address: 39.156.69.79
Name:    baidu.com
Address: 220.181.38.148

chydemac:~ aplle$ nslookup baidu.com ns3.baidu.com
Server:         ns3.baidu.com
Address:        112.80.248.64#53

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

```
chydemac:~ aplle$ nslookup –type=ns baidu.com
Server:          114.114.114.114
Address:         114.114.114.114#53

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

Authoritative answers can be found from:

chydemac:~ aplle$ nslookup baidu.com ns3.baidu.com
Server:          ns3.baidu.com
Address:         112.80.248.64#53

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

[chydemac:~ aplle$ nslookup
[> 114.114.114.114
Server:          114.114.114.114
Address:         114.114.114.114#53

Non-authoritative answer:
114.114.114.114.in-addr.arpa     name = public1.114dns.com.

Authoritative answers can be found from:
`. ■
```

4、

```
traceroute to microsoft.com (13.77.161.179), 64 hops max, 52 byte packets
 1  10.219.128.1 (10.219.128.1)  8.956 ms  2.902 ms  3.562 ms
 2  * * *
 3  10.250.1.210 (10.250.1.210)  2.283 ms  4.033 ms  8.227 ms
 4  * * *
 5  10.255.19.1 (10.255.19.1)  11.500 ms  3.912 ms  5.394 ms
 6  10.255.249.45 (10.255.249.45)  8.366 ms  3.595 ms  4.247 ms
 7  10.255.38.250 (10.255.38.250)  4.021 ms  8.409 ms  8.255 ms
 8  * 202.112.27.1 (202.112.27.1)  11.970 ms *
 9  101.4.115.105 (101.4.115.105)  6.067 ms  5.657 ms  8.322 ms
10  101.4.117.30 (101.4.117.30)  25.561 ms  25.171 ms  26.324 ms
11  101.4.116.118 (101.4.116.118)  32.308 ms  28.484 ms  28.412 ms
12  101.4.112.69 (101.4.112.69)  29.898 ms *  35.646 ms
13  101.4.113.110 (101.4.113.110)  31.153 ms  29.592 ms  28.834 ms
14  101.4.116.206 (101.4.116.206)  42.892 ms
    101.4.116.114 (101.4.116.114)  36.649 ms
    101.4.116.86 (101.4.116.86)  34.208 ms
15  101.4.117.102 (101.4.117.102)  32.613 ms  34.629 ms  37.362 ms
16  101.4.117.214 (101.4.117.214)  178.517 ms  178.565 ms  180.483 ms
17  66.110.59.181 (66.110.59.181)  180.601 ms  180.427 ms  175.365 ms
18  if-ae-8-3.tcore1.sv1-santaclara.as6453.net (63.243.250.58)  191.254 ms
    if-ae-60-2.tcore1.sv1-santaclara.as6453.net (63.243.250.54)  191.864 ms  189.031 ms
19  if-ae-0-3.tcore2.sv1-santaclara.as6453.net (63.243.250.61)  192.317 ms
    if-ae-0-2.tcore2.sv1-santaclara.as6453.net (63.243.251.2)  193.867 ms
    if-ae-0-3.tcore2.sv1-santaclara.as6453.net (63.243.250.61)  192.439 ms
20  if-ae-7-2.tcore1.pdi-paloalto.as6453.net (209.58.86.74)  195.523 ms  186.709 ms  190.365 ms
21  66.198.127.161 (66.198.127.161)  191.416 ms  187.431 ms  186.537 ms
22  104.44.239.0 (104.44.239.0)  192.866 ms
    ae25-0.icr02.by4.ntwk.msn.net (104.44.238.254)  192.592 ms
    104.44.239.0 (104.44.239.0)  188.767 ms
23  104.44.22.157 (104.44.22.157)  218.281 ms
    be-122-0.ibr03.by21.ntwk.msn.net (104.44.22.169)  206.575 ms
    104.44.22.157 (104.44.22.157)  208.684 ms
24  104.44.16.77 (104.44.16.77)  207.361 ms  208.082 ms
    104.44.16.75 (104.44.16.75)  208.080 ms
25  be-4-0.ibr03.mwh01.ntwk.msn.net (104.44.16.66)  206.698 ms
    be-4-0.ibr04.mwh01.ntwk.msn.net (104.44.16.68)  205.619 ms  205.946 ms
26  104.44.21.162 (104.44.21.162)  206.461 ms
    104.44.21.152 (104.44.21.152)  206.924 ms
    104.44.21.160 (104.44.21.160)  206.649 ms
27  * * *
```

```
chydemac:~ aplle$ 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

# whois.verisign-grs.com

   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: 2021-03-03T02:22:47Z
     Creation Date: 1998-09-14T04:00:00Z
     Registry Expiry Date: 2030-09-13T04:00:00Z
     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: 2021-03-10T12:29:54Z <<<

# whois.markmonitor.com

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: 2021-03-02T19:06:11-0800
Creation Date: 1998-09-13T21:00:00-0700
Registrar Registration Expiration Date: 2030-09-12T21:00:00-0700
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: ns1.qq.com
Name Server: ns4.qq.com
Name Server: ns3.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: 2021-03-10T04:20:41-0800 <<<
```

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