

# CS305B Lab1 Report

---

11812418 樊青远 Fan Qingyuan

## Q1

---

Use the ipconfig command to query the local ip, subnet mask, gateway, MAC address, and screenshot instructions.

```
>ipconfig
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=400<CHANNEL_IO>
    ether 38:f9:d3:75:70:88
    inet6 fe80::472:9e7f:3642:1950%en0 prefixlen 64 secured scopeid 0xa
    inet 10.17.120.246 netmask 0xffff8000 broadcast 10.17.127.255
    inet6 2001:da8:201d:1109::f762 prefixlen 128 dynamic
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
```

```
cyf — cyf@LAPTOP-TMBP81 — ~ — -zsh — 90x36
cyf@LAPTOP-TMBP81 ~$ ifconfig
lo0: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
    options=1203<RXCSUM, TXCSUM, TXSTATUS, SW_TIMESTAMP>
    inet 127.0.0.1 netmask 0xff000000
    inet6 ::1 prefixlen 128
    inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
    nd6 options=201<PERFORMNUD,DAD>
gif0: flags=8010<POINTOPOINT,MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
XHC20: flags=0<> mtu 0
XHC0: flags=0<> mtu 0
XHC1: flags=0<> mtu 0
VHC128: flags=0<> mtu 0
en5: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    ether ac:de:48:00:11:22
    inet6 fe80::aede:48ff:fe00:1122%en5 prefixlen 64 scopeid 0x8
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect (100baseTX <full-duplex>)
    status: active
ap1: flags=8802<BROADCAST,SIMPLEX,MULTICAST> mtu 1500
    options=400<CHANNEL_IO>
    ether 3a:f9:d3:75:70:88
    media: autoselect
    status: inactive
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=400<CHANNEL_IO>
    ether 38:f9:d3:75:70:88
    inet6 fe80::472:9e7f:3642:1950%en0 prefixlen 64 secured scopeid 0xa
    inet 10.17.120.246 netmask 0xffff8000 broadcast 10.17.127.255
    inet6 2001:da8:201d:1109::f762 prefixlen 128 dynamic
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
feth5391: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1500
    ether 66:65:74:68:15:0f
    peer: feth391
```

## Result

Parameters	Value
Local IP	10.17.120.246
Subnet mask	0xffff8000 ( 255.255.128.0 )
Gateway	10.17.127.255
MAC address	38:f9:d3:75:70:88

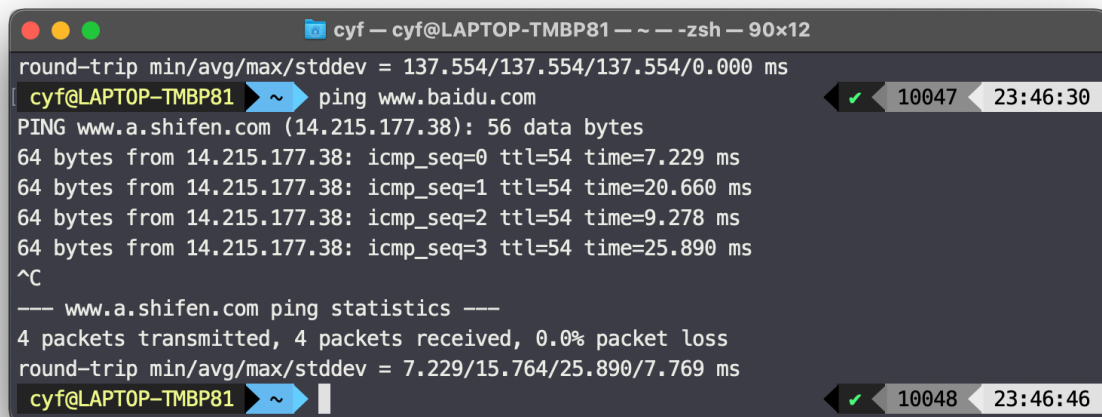
## Q2

Ping [www.baidu.com](http://www.baidu.com) and ping [www.sustc.edu.cn](http://www.sustc.edu.cn), the screenshot gives a brief description of the echo message (whether the destination host is reachable, the communication duration, the TTL value)

## ping [www.baidu.com](http://www.baidu.com)

```
>ping www.baidu.com
PING www.a.shifen.com (14.215.177.38): 56 data bytes
64 bytes from 14.215.177.38: icmp_seq=0 ttl=54 time=7.229 ms
64 bytes from 14.215.177.38: icmp_seq=1 ttl=54 time=20.660 ms
64 bytes from 14.215.177.38: icmp_seq=2 ttl=54 time=9.278 ms
64 bytes from 14.215.177.38: icmp_seq=3 ttl=54 time=25.890 ms
^C
--- www.a.shifen.com ping statistics ---
4 packets transmitted, 4 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 7.229/15.764/25.890/7.769 ms
```

## Screenshot

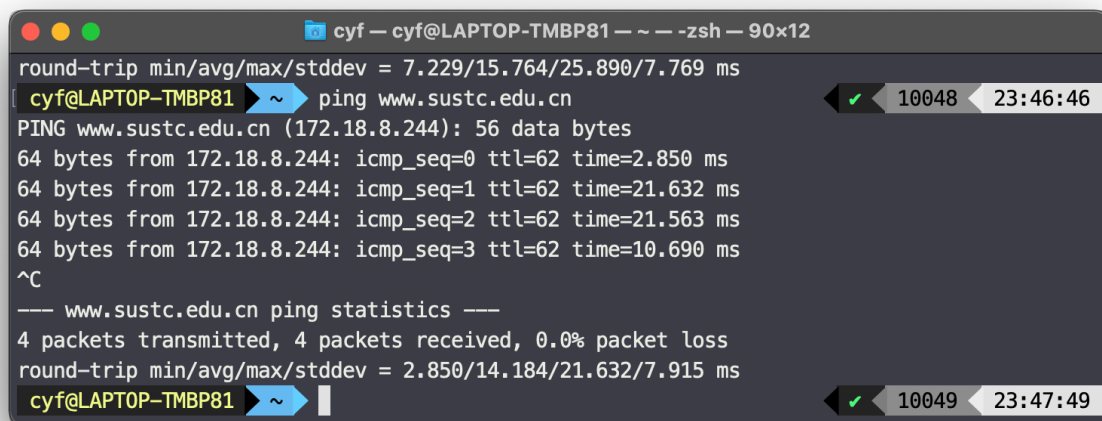


```
cyf - cyf@LAPTOP-TMBP81 - ~ - zsh - 90x12
round-trip min/avg/max/stddev = 137.554/137.554/137.554/0.000 ms
cyf@LAPTOP-TMBP81 ~$ ping www.baidu.com
PING www.a.shifen.com (14.215.177.38): 56 data bytes
64 bytes from 14.215.177.38: icmp_seq=0 ttl=54 time=7.229 ms
64 bytes from 14.215.177.38: icmp_seq=1 ttl=54 time=20.660 ms
64 bytes from 14.215.177.38: icmp_seq=2 ttl=54 time=9.278 ms
64 bytes from 14.215.177.38: icmp_seq=3 ttl=54 time=25.890 ms
^C
--- www.a.shifen.com ping statistics ---
4 packets transmitted, 4 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 7.229/15.764/25.890/7.769 ms
cyf@LAPTOP-TMBP81 ~$
```

## ping [www.sustc.edu.cn](http://www.sustc.edu.cn)

```
>ping www.sustc.edu.cn
PING www.sustc.edu.cn (172.18.8.244): 56 data bytes
64 bytes from 172.18.8.244: icmp_seq=0 ttl=62 time=2.850 ms
64 bytes from 172.18.8.244: icmp_seq=1 ttl=62 time=21.632 ms
64 bytes from 172.18.8.244: icmp_seq=2 ttl=62 time=21.563 ms
64 bytes from 172.18.8.244: icmp_seq=3 ttl=62 time=10.690 ms
^C
--- www.sustc.edu.cn ping statistics ---
4 packets transmitted, 4 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 2.850/14.184/21.632/7.915 ms
```

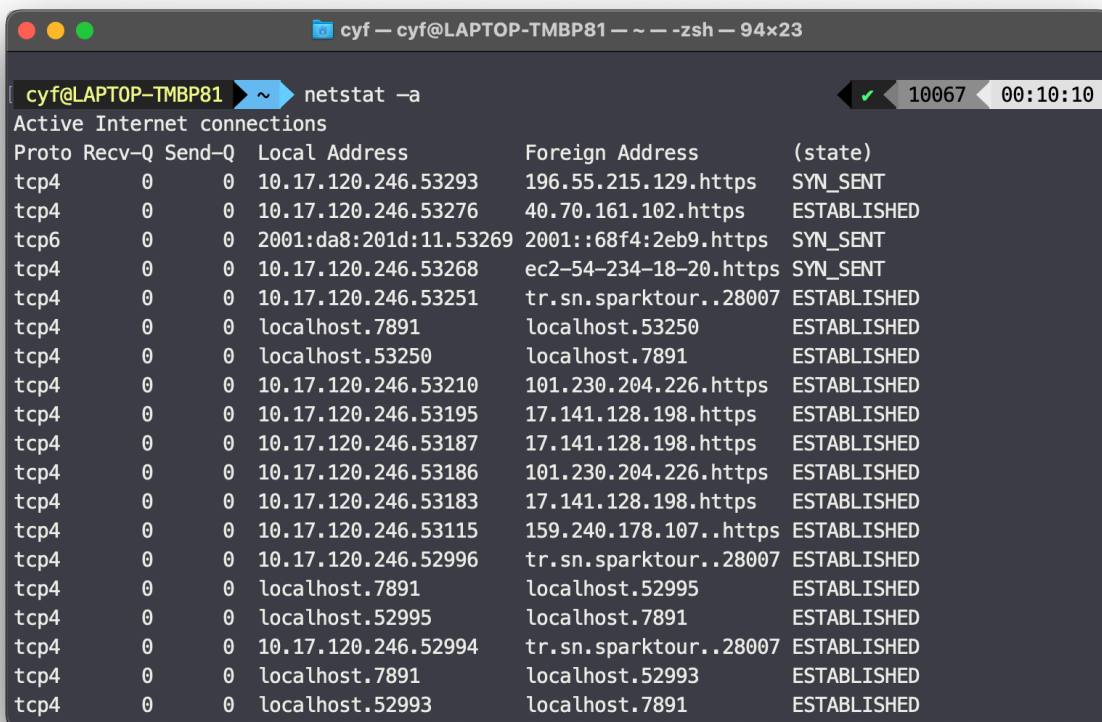
## Screenshot



```
cyf — cyf@LAPTOP-TMBP81 — ~ — zsh — 90x12
round-trip min/avg/max/stddev = 7.229/15.764/25.890/7.769 ms
cyf@LAPTOP-TMBP81 ~$ ping www.sustc.edu.cn
PING www.sustc.edu.cn (172.18.8.244): 56 data bytes
64 bytes from 172.18.8.244: icmp_seq=0 ttl=62 time=2.850 ms
64 bytes from 172.18.8.244: icmp_seq=1 ttl=62 time=21.632 ms
64 bytes from 172.18.8.244: icmp_seq=2 ttl=62 time=21.563 ms
64 bytes from 172.18.8.244: icmp_seq=3 ttl=62 time=10.690 ms
^C
--- www.sustc.edu.cn ping statistics ---
4 packets transmitted, 4 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 2.850/14.184/21.632/7.915 ms
cyf@LAPTOP-TMBP81 ~$
```

## Q3

Use the netstat command to check the traffic statistics on the local Ethernet card and take a screenshot



```
cyf — cyf@LAPTOP-TMBP81 — ~ — zsh — 94x23
cyf@LAPTOP-TMBP81 ~$ netstat -a
Active Internet connections
Proto Recv-Q Send-Q Local Address           Foreign Address         (state)
tcp4      0      0 10.17.120.246.53293     196.55.215.129.https    SYN_SENT
tcp4      0      0 10.17.120.246.53276     40.70.161.102.https     ESTABLISHED
tcp6      0      0 2001:da8:201d:11:53269 2001::68f4:2eb9.https    SYN_SENT
tcp4      0      0 10.17.120.246.53268     ec2-54-234-18-20.https  SYN_SENT
tcp4      0      0 10.17.120.246.53251     tr.sn.sparktour..28007  ESTABLISHED
tcp4      0      0 localhost.7891          localhost.53250          ESTABLISHED
tcp4      0      0 localhost.53250         localhost.7891           ESTABLISHED
tcp4      0      0 10.17.120.246.53210     101.230.204.226.https    ESTABLISHED
tcp4      0      0 10.17.120.246.53195     17.141.128.198.https     ESTABLISHED
tcp4      0      0 10.17.120.246.53187     17.141.128.198.https     ESTABLISHED
tcp4      0      0 10.17.120.246.53186     101.230.204.226.https    ESTABLISHED
tcp4      0      0 10.17.120.246.53183     17.141.128.198.https     ESTABLISHED
tcp4      0      0 10.17.120.246.53115     159.240.178.107..https  ESTABLISHED
tcp4      0      0 10.17.120.246.52996     tr.sn.sparktour..28007  ESTABLISHED
tcp4      0      0 localhost.7891          localhost.52995          ESTABLISHED
tcp4      0      0 localhost.52995         localhost.7891           ESTABLISHED
tcp4      0      0 10.17.120.246.52994     tr.sn.sparktour..28007  ESTABLISHED
tcp4      0      0 localhost.7891          localhost.52993          ESTABLISHED
tcp4      0      0 localhost.52993         localhost.7891           ESTABLISHED
```

## Q4



Use the `tracert` command to access [www.baidu.com](http://www.baidu.com) and take a screenshot analysis to mark the total number of hops from the host to the destination host, whether there is any icmp packet loss, and the ip address of the server where [www.baidu.com](http://www.baidu.com) is located.

```
cyf — cyf@LAPTOP-TMBP81 — ~ — zsh — 94x23
tcp4    31      0  10.17.120.246.60470    172.18.1.222.https    CLOSE_WAIT
tcp4    31      0  10.17.120.246.60469    172.18.1.222.https    CLOSE_WAIT
tcp4    31      0  10.17.120.246.60467    172.18.1.222.https    CLOSE_WAIT
^C
cyf@LAPTOP-TMBP81 ~$ traceroute www.baidu.com
traceroute: Warning: www.baidu.com has multiple addresses; using 14.215.177.38
traceroute to www.a.shifen.com (14.215.177.38), 64 hops max, 52 byte packets
 1  10.10.10.11 (10.10.10.11)  2.856 ms  2.745 ms  3.201 ms
 2  10.23.255.83 (10.23.255.83)  2.234 ms  2.151 ms  2.164 ms
 3  group01.its.sustc.edu.cn (116.7.234.1)  4.955 ms  3.040 ms  4.223 ms
 4  183.56.64.1 (183.56.64.1)  14.984 ms  12.452 ms  6.378 ms
 5  125.176.37.59.broad.dg.gd.dynamic.163data.com.cn (59.37.176.125)  4.065 ms
    117.176.37.59.broad.dg.gd.dynamic.163data.com.cn (59.37.176.117)  3.946 ms  2.704 ms
 6  * * 202.105.106.49 (202.105.106.49)  4.759 ms
 7  113.96.4.246 (113.96.4.246)  31.929 ms
    113.96.4.250 (113.96.4.250)  19.932 ms
    113.96.5.102 (113.96.5.102)  22.084 ms
 8  * * 86.96.135.219.broad.fs.gd.dynamic.163data.com.cn (219.135.96.86)  10.370 ms
 9  86.96.135.219.broad.fs.gd.dynamic.163data.com.cn (219.135.96.86)  10.171 ms  12.806 ms
    14.29.117.234 (14.29.117.234)  7.341 ms
10  * 14.215.32.94 (14.215.32.94)  36.946 ms *
11  * * *
12  * * *
```

```
cyf — sudo mtr 14.215.177.38 -n — mtr — mtr — sudo — 90x19
My traceroute [v0.93]
LAPTOP-TMBP81.local (10.17.120.246) 2021-01-14T11:10:59+0800
Keys: Help  Display mode  Restart statistics  Order of fields  quit

Host                                     Packets  Pings
Loss%  Snt  Last  Avg  Best  Wrst  StDev
1. 10.10.10.11                          0.0%    16    4.1  30.1  2.2  284.2  70.8
2. 10.23.255.83                         0.0%    16    5.4  16.7  2.6  197.3  48.3
3. 116.7.234.1                          0.0%    15   15.5 101.7 13.7  232.6  97.9
4. 183.56.64.9                          0.0%    15   32.0 114.4 15.8  218.4  72.1
5. 59.37.176.117                       14.3%    15  225.6  67.5 11.6  225.6  66.9
6. 59.38.107.177                       0.0%    15  172.7  40.1 11.2  172.7  51.8
7. 113.96.4.250                        42.9%    15   18.7  23.9 18.2   40.9   7.5
8. 219.135.96.94                       0.0%    15   19.9  56.0 13.0  295.3  89.9
9. 14.29.121.186                       0.0%    15   19.6 104.5 16.3  237.7  95.9
10. (waiting for reply)
11. (waiting for reply)
12. 14.215.177.38                      0.0%    15   58.2  44.9 14.8  367.1  89.9
```

The total number of hops from the host to the destination host is 12. (The `traceroute` program always indicates that the packet was lost at the 12th hop, so the result is obtained from `mtr`)

There are packet loss at the 6th, 6th, 10th of the hops from the traceroute result.

The IP address of the baidu server is `14.215.177.38`.

## Q5

In this lab class, list the commands that requires addition parameters to run. Use these commands and parameters (each command chooses 2 or 3 of them to experiment), take a screenshot and explain its function.

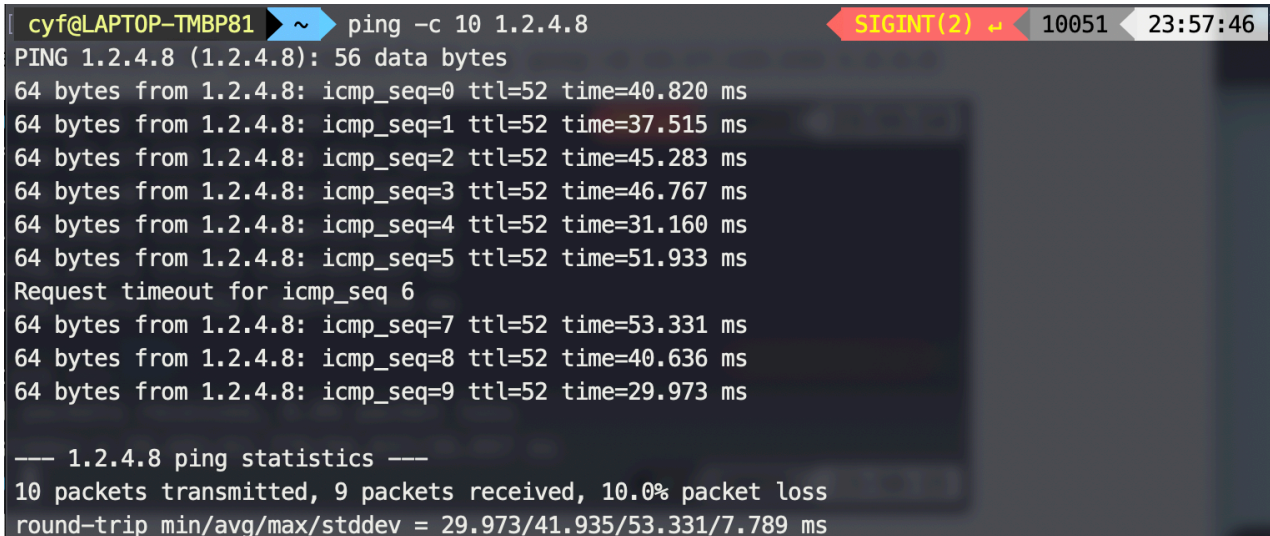
### ping

```
usage: ping [-AaDdfnoQqRrv] [-c count] [-G sweepmaxsize]
          [-g sweepminsize] [-h sweepincrsz] [-i wait]
          [-l preload] [-M mask | time] [-m ttl] [-p pattern]
          [-S src_addr] [-s packetsize] [-t timeout] [-W waittime]
          [-z tos] host
ping [-AaDdfLnoQqRrv] [-c count] [-I iface] [-i wait]
     [-l preload] [-M mask | time] [-m ttl] [-p pattern] [-S src_addr]
     [-s packetsize] [-T ttl] [-t timeout] [-W waittime]
     [-z tos] mcast-group
```

Apple specific options (to be specified before mcast-group or host like all options)

```
-b boundif          # bind the socket to the interface
-k traffic_class    # set traffic class socket option
-K net_service_type # set traffic class socket options
-apple-connect      # call connect(2) in the socket
-apple-time         # display current time
```

`ping -c` means the count the `ping` command runs. e.g. `ping -c 10 1.2.4.8`



```
cyf@LAPTOP-TMBP81 ~$ ping -c 10 1.2.4.8
PING 1.2.4.8 (1.2.4.8): 56 data bytes
64 bytes from 1.2.4.8: icmp_seq=0 ttl=52 time=40.820 ms
64 bytes from 1.2.4.8: icmp_seq=1 ttl=52 time=37.515 ms
64 bytes from 1.2.4.8: icmp_seq=2 ttl=52 time=45.283 ms
64 bytes from 1.2.4.8: icmp_seq=3 ttl=52 time=46.767 ms
64 bytes from 1.2.4.8: icmp_seq=4 ttl=52 time=31.160 ms
64 bytes from 1.2.4.8: icmp_seq=5 ttl=52 time=51.933 ms
Request timeout for icmp_seq 6
64 bytes from 1.2.4.8: icmp_seq=7 ttl=52 time=53.331 ms
64 bytes from 1.2.4.8: icmp_seq=8 ttl=52 time=40.636 ms
64 bytes from 1.2.4.8: icmp_seq=9 ttl=52 time=29.973 ms

--- 1.2.4.8 ping statistics ---
10 packets transmitted, 9 packets received, 10.0% packet loss
round-trip min/avg/max/stddev = 29.973/41.935/53.331/7.789 ms
```

`ping -s` means specific the address that ICMP packet sends from. e.g. `ping -s 10.17.120.246 1.2.4.8`

```

cyf@LAPTOP-TMBP81 ~$ ping -S 10.17.120.246 1.2.4.8
PING 1.2.4.8 (1.2.4.8) from 10.17.120.246: 56 data bytes
64 bytes from 1.2.4.8: icmp_seq=0 ttl=52 time=29.681 ms
64 bytes from 1.2.4.8: icmp_seq=1 ttl=52 time=33.832 ms
64 bytes from 1.2.4.8: icmp_seq=2 ttl=52 time=94.037 ms
64 bytes from 1.2.4.8: icmp_seq=3 ttl=52 time=89.554 ms
^C
--- 1.2.4.8 ping statistics ---
4 packets transmitted, 4 packets received, 0.0% packet loss
round-trip min/avg/max/stddev = 29.681/61.776/94.037/30.097 ms
cyf@LAPTOP-TMBP81 ~$

```

## Traceroute

Version 1.4a12+Darwin

Usage: traceroute [-adDeFInrSvx] [-A as\_server] [-f first\_ttl] [-g gateway] [-i iface]

[-M first\_ttl] [-m max\_ttl] [-p port] [-P proto] [-q nqueries] [-s src\_addr]  
[-t tos] [-w waittime] [-z pausesecs] host [packetlen]

traceroute -i means traceroute using the specific interface. e.g. traceroute -i en0 1.0.0.1

```

cyf@LAPTOP-TMBP81 ~$ traceroute -i en0 1.0.0.1
traceroute to 1.0.0.1 (1.0.0.1), 64 hops max, 52 byte packets
 1  10.10.10.11 (10.10.10.11)  2.604 ms  2.210 ms  2.138 ms
 2  10.23.255.83 (10.23.255.83)  2.110 ms  3.756 ms  2.132 ms
 3  116.6.234.129 (116.6.234.129)  7.828 ms  5.735 ms  6.665 ms
 4  17.186.37.59.broad.dg.gd.dynamic.163data.com.cn (59.37.186.17)  3.611 ms  5.213 ms
    21.186.37.59.broad.dg.gd.dynamic.163data.com.cn (59.37.186.21)  4.238 ms
 5  * 125.176.37.59.broad.dg.gd.dynamic.163data.com.cn (59.37.176.125)  11.891 ms *
 6  113.104.38.59.broad.fs.gd.dynamic.163data.com.cn (59.38.104.113)  11.758 ms
    105.104.38.59.broad.fs.gd.dynamic.163data.com.cn (59.38.104.105)  6.707 ms
    109.104.38.59.broad.fs.gd.dynamic.163data.com.cn (59.38.104.109)  4.899 ms
 7  59.43.132.125 (59.43.132.125)  16.932 ms  8.420 ms  19.230 ms
 8  59.43.130.146 (59.43.130.146)  19.858 ms
    59.43.130.122 (59.43.130.122)  19.067 ms
    59.43.130.126 (59.43.130.126)  13.926 ms
 9  59.43.187.110 (59.43.187.110)  19.328 ms
    59.43.187.114 (59.43.187.114)  18.761 ms  28.732 ms
10  59.43.250.82 (59.43.250.82)  19.408 ms
    59.43.188.122 (59.43.188.122)  20.418 ms
    59.43.188.126 (59.43.188.126)  18.941 ms
11  xe-0-0-21-2.a01.chwahk02.hk.bb.gin.ntt.net (203.131.241.69)  18.271 ms  19.314 ms  17.036 ms
12  ae-15.r03.tkokhk01.hk.bb.gin.ntt.net (129.250.5.162)  18.594 ms
    ae-14.r03.tkokhk01.hk.bb.gin.ntt.net (129.250.5.178)  15.040 ms
    ae-15.r03.tkokhk01.hk.bb.gin.ntt.net (129.250.5.162)  15.256 ms
13  203.131.253.202 (203.131.253.202)  16.153 ms  19.592 ms  17.211 ms
14  one.one.one.one (1.0.0.1)  15.040 ms  15.258 ms  16.396 ms

```

traceroute -m specific the max TTL (Time To Live) for the packet. e.g. traceroute -m 3

1.0.0.1



```
cyf@LAPTOP-TMBP81 ~$ traceroute -m 3 1.0.0.1
traceroute to 1.0.0.1 (1.0.0.1), 3 hops max, 52 byte packets
 1  10.10.10.11 (10.10.10.11)  2.962 ms  1.887 ms  5.323 ms
 2  10.23.255.83 (10.23.255.83)  2.440 ms  2.071 ms  2.099 ms
 3  116.6.234.129 (116.6.234.129)  6.593 ms  4.053 ms  5.277 ms
cyf@LAPTOP-TMBP81 ~$
```

## Nslookup

`nslookup -query=AAAA www.cloudflare.com 172.18.1.92` means query the `AAAA` record of `www.cloudflare.com` from DNS server `172.18.1.92`.

```
cyf@LAPTOP-TMBP81 ~$ nslookup -query=AAAA www.cloudflare.com 172.18.1.92
Server:          172.18.1.92
Address:         172.18.1.92#53
```

Non-authoritative answer:

```
www.cloudflare.com      has AAAA address 2606:4700::6810:7c60
www.cloudflare.com      has AAAA address 2606:4700::6810:7b60
```

`nslookup -query=TXT xn--g28h.hack.ustclug.org 172.18.1.92` means query the `AAAA` record of `xn--g28h.hack.ustclug.org` from DNS server `172.18.1.92`.

```
cyf@LAPTOP-TMBP81 ~$ nslookup -query=TXT xn--g28h.hack.ustclug.org 172.18.1.92
Server:          172.18.1.92
Address:         172.18.1.92#53
```

Non-authoritative answer:

```
xn--g28h.hack.ustclug.org      text = "flag{DN5_C4N_H4VE_em0ji_haha}"
```

## Q6

Download and install Wireshark: <https://www.wireshark.org/>



Capturing from Wi-Fi: en0

Apply a display filter ...<%%/>

No.	Time	Source	Destination	Protocol	Length	Info
12	0.335167	10.23.255.83	10.17.120.246	ICMP	70	Time-to-live exceeded (Time to live exceeded)
13	0.490346	10.17.26.228	224.0.0.251	MDNS	103	Standard query 0x0000 TXT 王天懿的iPad._cor
14	0.655214	10.17.98.64	224.0.0.251	MDNS	252	Standard query response 0x0000 TXT, cache
15	0.655224	fe80::ca6:72b9:20b...	ff02::fb	MDNS	272	Standard query response 0x0000 TXT, cache
16	0.818776	10.17.53.241	224.0.0.251	MDNS	82	Standard query 0x0000 PTR _googlecast._tc
17	1.147231	10.17.10.219	224.0.0.251	MDNS	154	Standard query 0x0000 PTR _companion-link
18	1.147237	fe80::8182:e1fc:a5...	ff02::fb	MDNS	102	Standard query 0x0000 PTR _googlecast._tc
19	1.211098	10.17.120.246	10.17.10.219	MDNS	435	Standard query response 0x0000 PTR LAPTOP
20	1.309779	10.17.16.174	10.17.127.255	UDP	305	54915 → 54915 Len=263

> Frame 1: 410 bytes on wire (3280 bits), 410 bytes captured (3280 bits) on interface en0, id 0

> Ethernet II, Src: Apple\_bd:e8:ef (64:0b:d7:bd:e8:ef), Dst: IPv4mcast\_fb (01:00:5e:00:00:fb)

> Internet Protocol Version 4, Src: 10.17.54.122, Dst: 224.0.0.251

> User Datagram Protocol, Src Port: 5353, Dst Port: 5353

> Multicast Domain Name System (response)

```
0000  01 00 5e 00 00 fb 64 0b d7 bd e8 ef 08 00 45 00  ..^...d. ....E.
0010  01 8c 77 35 00 00 ff 11 21 a5 0a 11 36 7a e0 00  ..w5....!...6z..
0020  00 fb 14 e9 14 e9 01 78 f3 4e 00 00 84 00 00 00  ....x..N.....
0030  00 02 00 00 00 07 0f 5f 63 6f 6d 70 61 6e 69 6f  ...._companio
0040  6e 2d 6c 69 6e 6b 04 5f 74 63 70 05 6c 6f 63 61  n-link._tcp:loca
0050  6c 00 00 0c 00 01 00 00 11 94 00 13 10 e6 a5 9a  l.....
0060  e5 9b bd e4 ba ba e7 9a 84 69 50 61 64 c0 0c 10  ....iPad...
0070  e6 a5 9a e5 9b bd e4 ba ba e7 9a 84 69 50 61 64  ....iPad
0080  0c 5f 64 65 76 69 63 65 2d 69 6e 66 6f c0 1c 00  _device -info...
0090  10 00 01 00 00 11 94 00 0d 0c 6d 6f 64 65 6c 3d  ....model=
00a0  4a 34 31 37 41 50 c0 32 00 10 80 01 00 00 11 94  J417AP.2 .....
00b0  00 53 16 72 70 42 41 3d 32 31 3a 39 33 3a 36 39  .S.rpBA= 21:93:69
00c0  3a 45 33 3a 30 42 3a 30 41 11 72 70 41 44 3d 33  :E3:0B:0 A.rpAD=3
00d0  36 37 61 65 62 62 31 65 66 34 31 0c 72 70 46 6c  67aebb1e f41.rpFl
```

Wi-Fi: en0: <live capture in progress>      Packets: 20 · Displayed: 20 (100.0%)      Profile: Default