tshark 命令练习 tshark -D 查看网卡

```
Plearn_from_xuanyuan tshark -D
Running as user "root" and group "root". This could be dangerous.
1. eth0
2. any
3. lo (Loopback)
4. nflog
5. nfqueue
6. usbmon1
7. ciscodump (Cisco remote capture)
8. randpkt (Random packet generator)
9. sshdump (SSH remote capture)
10. udpdump (UDP Listener remote capture)
Plearn_from_xuanyuan
```

tshark -i "eth0" -c 1000 -w capture.pcap

```
● → learn_from_xuanyuan <u>sudo</u> tshark -i "eth0" -c 1000 -w capture.pcap
Running as user "root" and group "root". This could be dangerous.
Capturing on 'eth0'
1000
```

抓取一千个数据包保存为 capture.pcap

查看 capture.pcap 里面的 tcp 数据

```
■ learn from xuanyuan tshark -r capture.pcap -Y "tcp"

Running as user "root" and group "root". This could be dangerous.

1 8.000000000 129.2291.82.250 + 177.27.205.146 TO 60 1424 → 22 [ACK] Seq=1 Ack=1 Win=1021 Len=0

2 9.000003266 120.229.80.250 + 177.27.205.146 SSH 154 Cilent: Encrypted packet (len=100)

3 9.002618792 172.27.205.146 + 120.229.80.250 SSH 154 Server: Encrypted packet (len=100)

4 9.043315672 172.27.205.146 + 120.229.80.250 SSH 124 Server: Encrypted packet (len=100)

5 9.053590918 120.229.80.250 + 172.27.205.146 TO 60 1424 → 22 [ACK] Seq=104.4297 Win=1025 Len=0

6 0.054872407 120.229.80.250 + 172.27.205.146 TO 60 1424 → 22 [ACK] Seq=104.40-397 Win=1025 Len=0

6 0.054872407 120.229.80.250 + 172.27.205.146 TO 60 1424 → 22 [ACK] Seq=104.40-397 Win=1025 Len=0

9 0.354660841 172.27.250.146 → 120.229.80.250 SSH 154 Server: Encrypted packet (len=148)

10 0.3546697220 172.27.205.146 → 180.180.30.26 TCP 2902 43504 → 80 [ACK] Seq=240 Ack=1 Win=1496 Len=2848 [TCP segment of a reass embled PDU]

11 0.354609285 172.27.205.146 → 180.180.30.26 TCP 2902 43504 → 80 [ACK] Seq=240 Ack=1 Win=1496 Len=2848 [TCP segment of a reass embled PDU]

12 0.354609585 172.27.205.146 → 180.180.30.26 TCP 2902 43504 → 80 [ACK] Seq=240 Ack=1 Win=1496 Len=2848 [TCP segment of a reass embled PDU]

13 0.389518085 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=3511 Len=0

14 0.389518085 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=360 Len=0

15 0.3895120149 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=389 Len=0

16 0.3895120149 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=389 Len=0

15 0.3895120149 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=3811 Len=0

16 0.3895120149 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=1425 Win=389 Len=0

16 0.3895120149 180.180.30.26 → 172.27.205.146 TCP 60 80 → 43504 [ACK] Seq=1 Ack=2849 Win=3808 Len=0

18 0.3895120149 180.180.30.26 → 172.27.
```

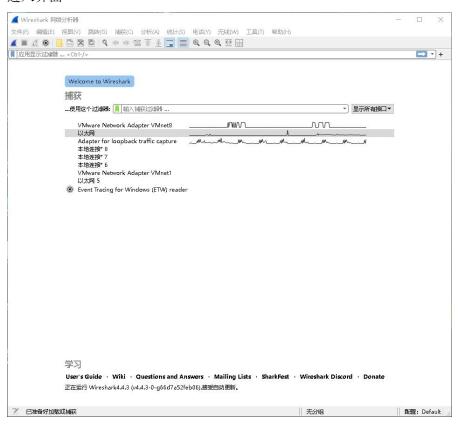
统计数据包里面协议层次统计信息

tshark -r capture.pcap -qz io,phs

```
• → learn_from_xuanyuan tshark -r <u>capture.pcap</u> -qz io,phs
Running as user "root" and group "root". This could be dangerous.
 ______
 Protocol Hierarchy Statistics
 Filter:
 eth
                                           frames:1000 bytes:204307
   ip
                                           frames:988 bytes:203803
                                           frames:966 bytes:201323
                                           frames:492 bytes:75656
       ssh
       http
                                           frames:19 bytes:24813
                                           frames:3 bytes:12592
         data-text-lines
           tcp.segments
                                           frames:2 bytes:12407
                                           frames:1 bytes:60
         json.
                                           frames:1 bytes:60
          tcp.segments
                                           frames:8 bytes:10758
         ssl
                                           frames:52 bytes:40575
       ssl
         tcp.segments
                                           frames:7 bytes:8374
                                           frames:7 bytes:8374
           ssl
       tcp.segments
                                           frames:1 bytes:54
         http
                                           frames:1 bytes:54
     udp
                                           frames:22 bytes:2480
                                           frames:22 bytes:2480
       dns
                                           frames:12 bytes:504
   arp
```

wireshark 使用

进入界面



进入"以太网"网卡进行捕获登录微信期间产生的 HTTP 数据包

