hgame第一周wp

id: Roc826

WEB 部分

1.Who eat my flag

一开始想了好久都没有对上mki的脑电波。。。后来问了一下学长,学长问我有没有用过linux写过东西,然后就想到linux用vim写文件的时候意外退出后会留下一个.swp文件,试着去访问这个文件果然得到了.index.html.swp,然后把它放到虚拟机里,执行这条命令 vi -r index.html 得到

把完整的flag复制出来就可以了

2.换头大作战

打开网页后, 他问我想不想要flag

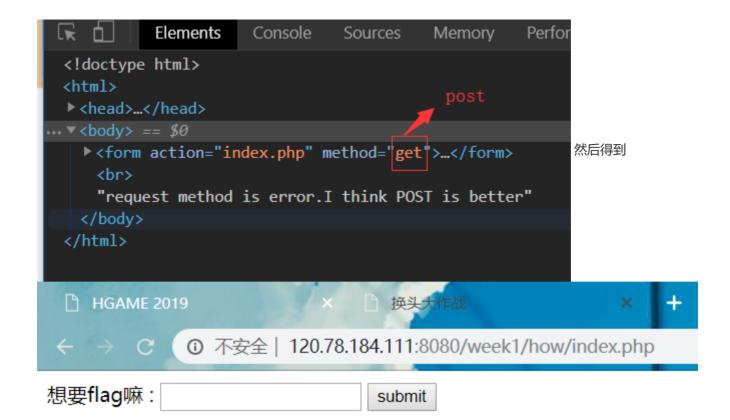


当然是想了,然后输入想后提交显示

三 然走想」,	2017年	八思力徒父亚小
← →	C (① 不安全 120.78.184.111:8080/week1/how/index.php?want=想
想要flag®	麻:	submit

request method is error.I think POST is better

于是就把表单发送的方式改成post



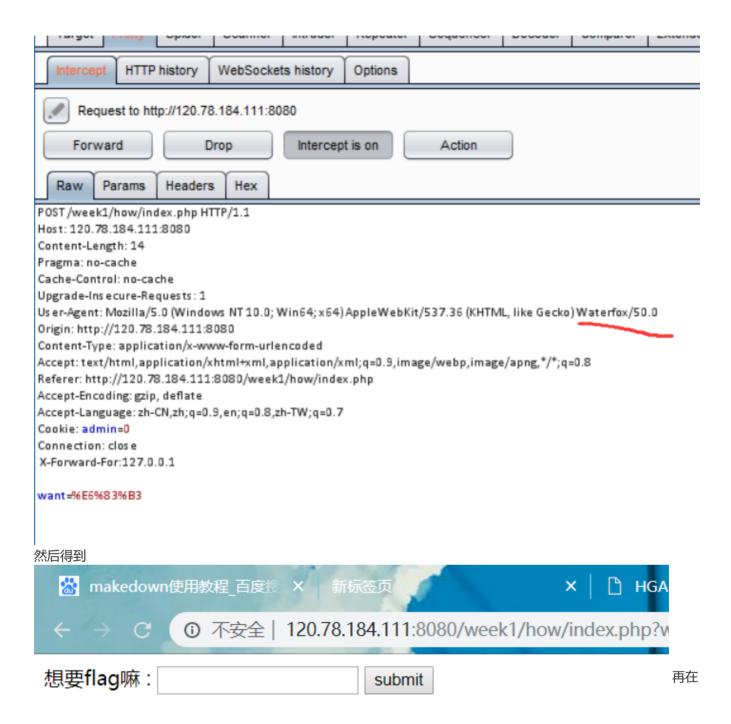
https://www.wikiwand.com/en/X-Forwarded-For only localhost can get flag

X-Forward-For表示请求端的真实ip,经过代理服器的时候会把代理服务器的ip地址增加上去,一般来说第一个就是客户端的ip地址,所以我只需要在请求头中添加X-Forward-For:127.0.0.1即可,所以在这里我用burp截取发送的请求添加这一条



https://www.wikiwand.com/en/User_agent please use Waterfox/50.0

这里告诉我们要用Waterfox/50.0这个版本的浏览器,我一开始还真去下了waterfox。。。。后来发现好像应该不是这样做的,应该把请求头上的浏览器版本改成Waterfox/50.0 所以



https://www.wikiwand.com/en/HTTP_referer the requests should referer from www.bilibili.com

请求头添加Referer:www.bilibili.com

想要flag嘛: submit

检查发现cookie的

https://www.wikiwand.com/en/HTTP_cookie you are not admin

admin字段的值为0, 我们把它改成1

Burp Suite Community Edition v1.7.36 - Temporary Project Burp Intruder Repeater Window Help Target Spider Scanner Repeater Sequencer Decoder Comparer Extender Intruder HTTP history WebSockets history Options Request to http://120.78.184.111:8080 Forward Drop Intercept is on Action Raw Params Headers Hex

POST/week1/how/index.php HTTP/1.1

Host: 120.78.184.111:8080

Content-Length: 14 Cache-Control: max-age=0

Origin: http://120.78.184.111:8080 Upgrade-Insecure-Requests: 1

Content-Type: application/x-www-form-urlencoded

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Waterfox/50.0

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8

Referer: http://120.78.184.111:8080/week1/how/index.php

Accept-Encoding: gzip, deflate

Accept-Language: zh-CN,zh;q=0.9,en;q=0.8,zh-TW;q=0.7

Cookie: admin=1 Connection: clos e

X-Forwarded-For:127.0.0.1

Referer:www.bilibili.com

want=%E6%83%B3



提交后得到flag

想要flag嘛: submit

hgame{hTTp_HeaDeR_iS_Ez}

3.very easy web

为'vidar'urlencode—次后的值,但由于浏览器自动会给url进行urldecode—次,所以我们在这里要将'vidar'urlencode两次后传入第一次得到%76%69%64%61%72 再将这个值进行url编码得到%25%37%36%25%36%39%25%36%34%25%36%31%25%37%32 将这个值传入,得到flag

这样我们只需要urlencode一次后提交即可

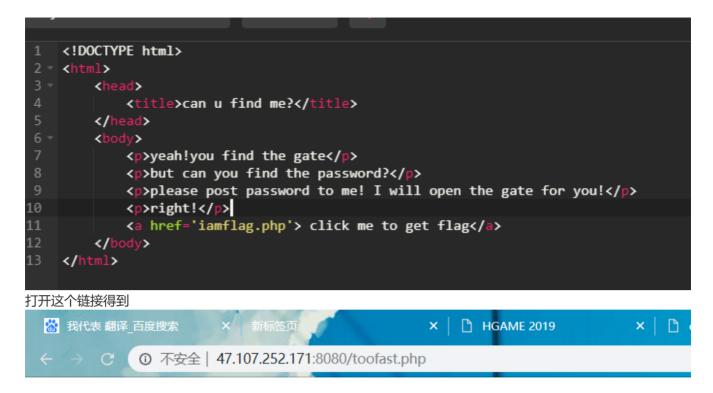
4.can u find me



击进入第二个页面 它说让我们找到password并post给他,用burp抓包后 我们可以看到响应头里有个password



后用postman发送password得到



aoh, your speed is sososo fast, the flag must have been left in somewhere

说我速度太快了,应该是那个页面有个重定向,那我用burp去抓取他的f返回内容,得到flag Raw Headers Hex HTML Render

RE部分

1.HelloRe

```
在linux打开后
什么都不知道的我把它丢到winhex里,找到了flag。。。
.H9雞闔兡.[]A\A]0
1 5C 41 5D
          A^A ?f...?....].
0 00 00 00
          竺..H泼.H兡.?..t0
3 00 00 00
E 70 75 74
          ....Please input
          your key:.hgame0
7 61 6D 65
          {We1c0m3 t0 R3 W
2 33 5F 57
3 73 00 66 or1d!}.success.f0
4 00 00 00
          ailed....:4...
          ....?
                  €...堼
44 44 Q4 8
          P...~?
                  ?..8
44 44 44 8
0 00 00 00
          ?..?
1 78 10 01
                 . zR. . x. . 0
```

Please input your key:

root@ubuntu:/home/blithe/Documents# ./HelloRe

然后。。。

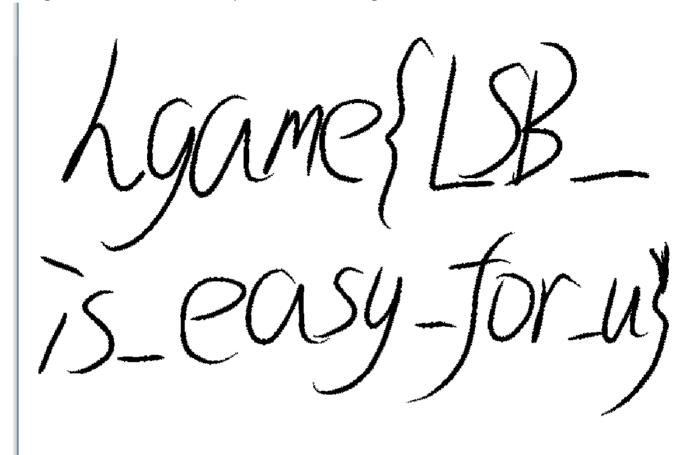
2.Pro的Python教室(一)

```
import base64
import hashlib
enc1 = 'hgame {'
enc2 = 'SGVyZV8xc18zYXN5Xw=='
enc3 = 'Pyth0n}'
print 'Welcome to Processor\'s Python Classroom!\n'
print 'Here is Problem One.
print 'There\'re three parts of the flag.'
print 'Plz input the first part:'
first = raw_input()
if first == encl:
    pass
    print 'Sorry , You\'re so vegatable!'
    exit()
print 'P1z input the secend part:'
secend = raw_input()
secend = base64.b64encode(secend)
if secend == enc2:
    pass
else:
    print 'Sorry , You\'re so vegatable!'
    exit()
print 'Plz input the third part:'
third = raw_input()
third = base64.b32decode(third)
if third == enc3:
    pass
else:
    print 'Sorry , You\'re so vegatable!'
    exit()
print 'Oh, You got it!'
```

审查代码后得知,我们只需要把第二部分进行base64解密后与第一第三部分相连接就是flag 将 SGVyZV8xc18zYXN5Xw==解密得 Here_1s_3asy_ 将三个部分连在一起得到flag hgame{Here_1s_3asy_Pyth0n}

1. Hidden Image in LSB

用stegsolve打开文件里的图片 在Blue plane 0这个视图看到flag



2.打字机

用google以图搜图得到 这个打字机是京紫打字机 然后百度搜到京紫打字机得字体

```
129NBhX890
AL 26 PO DO 44 DO UTY HI 22 55 Feb LL Mm
与
1 2 3 4 5 6 7 8 9 0
Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk Ll Mm
Nn Oo Pp Qq Rr Ss Tt Uu Vv Ww Xx Yy Zz @ # $ % & * ( ) - _ ; : ' " , . / ½ ¼ ¾
```

Nyana{Mr_\Lai_irDaMPiiap}

3.Broken Chest

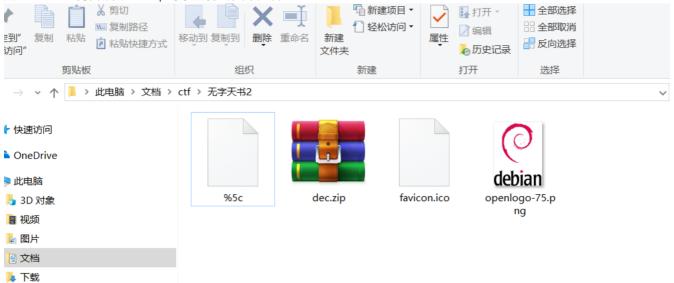
下载下来发现压缩包里有个flag.txt,但是文件打不开说压缩文件损坏,放到winhex里看一下

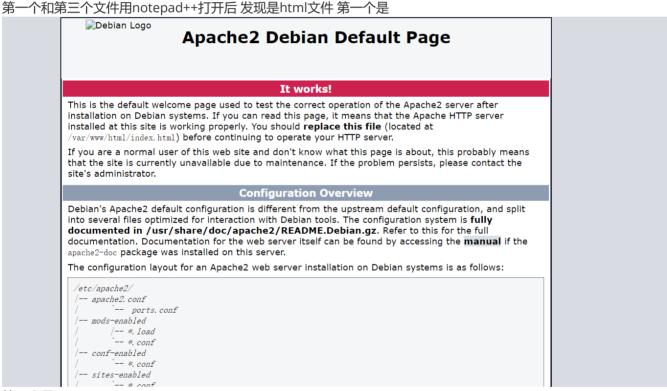
)ffset	0	1	2	3	4	- 5	6	- 7	8	9	Α	В	С	D	E	F	^
0000000	4 ₽	4 B	03	04	14	00	09	00	08	00	55	ВВ	35	4E	CE	7C	OKU?N剌
)000010	В3	ΒO	22	00	00	00	14	00	00	00	08	00	00	00	66	6C	嘲″f1
)000020	61	67	2E	74	78	74	67	49	3F	48	A0	ΒE	53	8B	38	E4	ag.txtgI?拼徑S??
)000030	5A	42	49	02	80	5D	55	A6	4 A	67	В2	ВЗ	CE	ΒO	6E	C1	ZBI]U g渤伟n?
)000040	0B	85	DC	EΒ	4 F	91	4D	BF	50	4 B	07	08	CE	7C	В3	ΒO	. 呠隣慚縋K 蝲嘲
)000050	22	00	00	00	14	00	00	00	50	4 B	01	02	1F	00	14	00	″PK
)000060	09	00	08	00	55	ВВ	35	4E	CE	7C	В3	ВO	22	00	00	00	U?N喇喇″
)000070	14	00	00	00	08	00	24	00	00	00	00	00	00	00	20	00	\$
0800000	00	00	00	00	00	00	66	6C	61	67	2E	74	78	74	0A	00	flag. txt
)000090	20	00	00	00	00	00	01	00	18	00	3E	20	76	В6	9D	В1	>, ∀??
0A0000C	D4	01	3E	20	76	В6	9D	В1	D4	01	1D	F1	7E	C5	9C	В1	?>,▽?痹駘艤?
)0000B0	D4	01	50	4 B	05	06	00	00	00	00	01	00	01	00	5A	00	?PKZ.
)0000C0	00	00	58	00	00	00	10	00	53	30	6D	45	54	68	31	6E	XSOmETh1n
)0000D0	67	5F	55	35	65	66	75	4C									g_U5efuL

发现它的文件头的第一个字节错了 zip是以50 4B 03 04开头 所以我把第一个字节4F改成50 文件可以打开后发现被加密了 在注释发现S0mETh1ng_U5efuL,把它作为密码,成功打开文件 得到flag: hgame{Cra2y_D1aM0nd}

4.Try







第二个是

Not Found

The requested URL /favicon.ico was not found on this server.

Apache/2.4.37 (Debian) Server at 192.168.61.129 Port 80

看起来和题目没什么关系,所以我将注意力放到了那个压缩包上 解压开这个压缩包里面有两个文件

open-it.zip 2019/1/24 12:31

WinRAR ZIP 压缩...

85 KB

password.txt

2019/1/24 12:32

文本文档

1 KB

password.txt这个文件里告诉了我们密码的格式

🏿 password.txt - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

hgame******

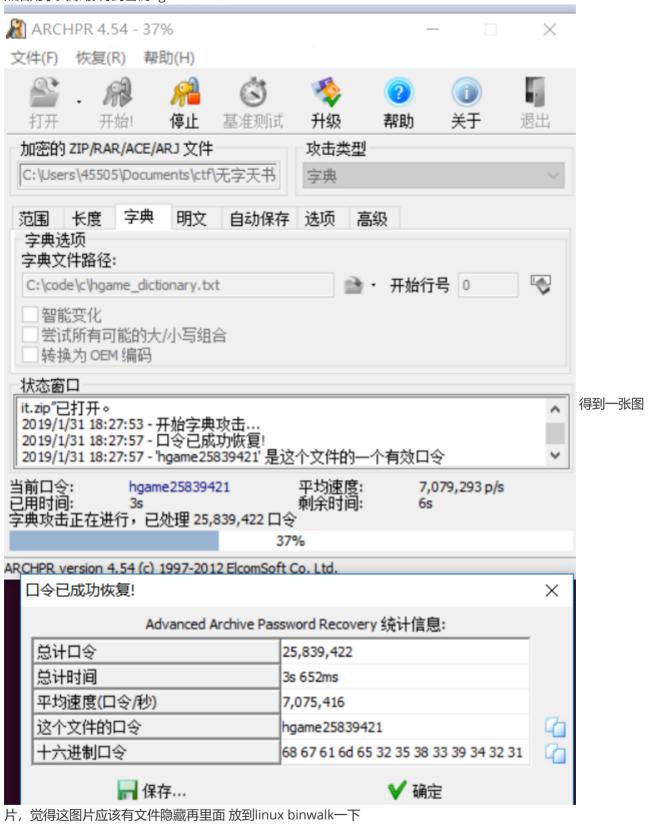
打开

open-it.zip,果然被加密了本来想拿archpr暴力破解一下



一年???。莫非是要下届hgame再交flag?想想后面八位应该不可能包含字符了,不然跑不完啊,那就用纯数字试一下然后写了一小段程序导出字典,程序代码如下

```
#include<stdio.h>
int main(void){
    long num=0;
    char header[] ="hgame";
    FILE *fp;
    fp=fopen("hgame_dictionary.txt","w+");
    while(num<=99999999){
        fprintf(fp,"%s%08d\n",header,num);
            num++;
    }
    fclose(fp);
    return 0;
}</pre>
```



root@ubuntu:/home/blithe/Documents# binwalk 1.jpg							
DECIMAL	HEXADECIMAL	DESCRIPTION					
0	0x0	JPEG image data, JFIF standard 1.01					
566 size: 107	0x236	LZMA compressed data, properties: 0xD0, dictionary mpressed size: 274877906944 bytes					
79837	0x137DD	Zip archive data. at least v2.0 to extract. compre					

```
ssed size: 9447, uncompressed size: 12178, name: 1.docx
                     End of Zip archive, footer length: 22
89408
          0x15D40
root@ubuntu:/home/blithe/Documents#
果然有压缩包隐藏在里面执行这条命令将压缩包分离出来 dd if=./1.jpg of=myzip skip=79837 bs=1 发现又需
要密码。。。可这次什么提示都没有,觉得应该是个伪加密 把它放到winhex看一下
 000024E0 | 7F E7 8C F8 23 9C 08 FF | CA FE E5 9A F8 45 FF FD | .鐚?? | 漱鍤鳥 ?
 00002500 D7 5F C7 6B 6F 9B E8 7E A6 FE 02 50 4B 01 02 3F | 警茨。?鎌 .PK..?
 00002520 24 00 00 92 2F 00 00 06 00 24 00 00 00 00 00 $...........
 00002530 00 20 00 00 00 00 00 00 31 2E 64 6F 63 78 0A . .....1.docx.
 00002560 AE D4 01 50 4B 05 06 00 00 00 01 00 01 00 58 ....PK.....X
 00002570 00 00 00 0B 25 00 00 00 00
                                        . . . . %. . . .
把这里的09 00改成00 00 成功打开压缩包得到里面的flag
                                 1.docx - Word
邮件
    审阅
        视图
            帮助
                ○ 告诉我你想要做什么
            hgame{59d28413e36019861498e823f3f41406}-
```