# 网络安全管理职业技能大赛WriteUP



 F4ke12138
 ● 于 2020-10-14 14:57:46 发布
 ● 848
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网络安全管理职业技能大赛WriteUP

0X01 签到

Base32解码可得flag

## Base32编码解码

解码

编码

MZWGCZ33GU2DMZDDMQ3GELJTGNRWMLJUGA4GKLLBGYYDGLJSG43TMMDBMRQTSOBUGR6Q====

flag{546dcd6b-33cf-408e-a603-27760ada9844}

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清空

flag{546dcd6b-33cf-408e-a603-27760ada9844}

## 0X02 被黑了\_q1

首先下载压缩文件,解压使用wireshark打开,过滤http包大致查看

_					
_ h	ttp				
No.	Time	Source	Destination	Protocol	Length Info
	379 25.137709	192.168.0.105	23.32.45.19	HTTP	392 GET /success.txt HTTP/1.1
	387 25.448200	23.32.45.19	192.168.0.105	HTTP	457 HTTP/1.1 200 OK (text/plain)
	408 25.738305	192.168.0.105	23.32.45.19	HTTP	397 GET /success.txt?ipv4 HTTP/1.1
	413 25.744916	192.168.0.105	23.32.45.19	HTTP	397 GET /success.txt?ipv6 HTTP/1.1
	425 26.026240	23.32.45.19	192.168.0.105	HTTP	457 HTTP/1.1 200 OK (text/plain)
	431 26.035460	23.32.45.19	192.168.0.105	HTTP	457 HTTP/1.1 200 OK (text/plain)
	662 40.712128	192.168.0.105	119.84.129.201	HTTP	314 GET /kpt/v0m31fu84a/v1000819.dat HTTP/1.1
	668 40.760412	119.84.129.201	192.168.0.105	HTTP	192 HTTP/1.1 200 OK
	712 43.330038	192.168.0.105	182.247.254.60	HTTP	133 GET /n/logo/v1.0.0.2/super.gif.MD5 HTTP/1.1
	715 43.345478	182.247.254.60	192.168.0.105	HTTP	599 HTTP/1.1 200 OK
	727 43.423849	192.168.0.105	182.247.254.60	HTTP	129 GET /n/logo/v1.0.0.2/u.gif.MD5 HTTP/1.1
	730 43.438484	182.247.254.60	192.168.0.105	HTTP	599 HTTP/1.1 200 OK
	744 43.627133	192.168.0.105	106.75.95.184	HTTP	541 POST /kuaizipreport/kuaizipreport/rl_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWUyYzM5MGJhYWExZjYzODIJbG11
	747 43.706872	106.75.95.184	192.168.0.105	HTTP	197 HTTP/1.1 200 (text/html)
	758 43.892480	192.168.0.105	106.75.95.184	HTTP	557 POST /kuaizipreport/kuaizipreport/rl_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWUyYzM5MGJhYWExZjYzODIJbG11
	762 43.970436	106.75.95.184	192.168.0.105	HTTP	197 HTTP/1.1 200 (text/html)
	773 44.173769	192.168.0.105	106.75.95.184	HTTP	553 POST /kuaizipreport/kuaizipreport/rl_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWUyYzM5MGJhYWExZjYzODIJbG11
	775 44.261667	106.75.95.184	192.168.0.105	HTTP	197 HTTP/1.1 200 (text/html)
	1434 85.108023	192.168.0.105	23.32.45.19	HTTP	392 GET /success.txt HTTP/1.1
	1442 85.388198	23.32.45.19	192.168.0.105	HTTP	457 HTTP/1.1 200 OK (text/plain)
					bijns-//piperesin-pei/weizin_3988/4843

 $</head>\r\n$ 

题目要找后台管理员的密码,过滤器里使用 http contains "admin" 过滤,如下图第一个请求包的内容,密码为 admin123,再按照题目中所说操作得到flag{0192023a7bbd73250516f069df18b500}

_					
h	ttp contains "admin"				
No.	Time	Source	Destination	Protocol	Length Info
	7149 249.695250	192.168.0.105	192.168.0.103	HTTP	664 POST /e/admin/ecmsadmin.php HTTP/1.1 (application/x-www-form-urlencoded)
-	7152 249.722871	192.168.0.103	192.168.0.105	HTTP	153 HTTP/1.1 200 OK (text/html)
	7451 268.809427	192.168.0.105	192.168.0.103	HTTP	782 POST /e/admin/ecmsadmin.php HTTP/1.1 (application/x-www-form-urlencoded)
	7454 268.836585	192.168.0.103	192.168.0.105	HTTP	116 HTTP/1.1 200 OK (text/html)
	7507 270.894632	192.168.0.105	192.168.0.103	HTTP	554 GET /e/admin/index.php HTTP/1.1
	7521 270.906974	192.168.0.103	192.168.0.105	HTTP	59 HTTP/1.1 200 OK (text/html)
	7821 288.230625	192.168.0.105	192.168.0.103	HTTP	839 POST /e/admin/ecmsadmin.php HTTP/1.1 (application/x-www-form-urlencoded)
	7823 288.260741	192.168.0.103	192.168.0.105	HTTP	1229 HTTP/1.1 200 OK (text/html)
	7839 288.303844	192.168.0.105	192.168.0.103	HTTP	992 GET /e/admin/CreateCache.php?enews=doclass,doinfo,douserinfo&ecmstourl=admin
	7841 288.334218	192.168.0.103	192.168.0.105	HTTP	1440 HTTP/1.1 200 OK (text/html)
	7885 290.208870	192.168.0.105	192.168.0.103	HTTP	1073 GET /e/admin/admin.php?ehash_aCgC=jY4RCpujFLaIDKCRQCSK HTTP/1.1
	7913 290.237141	192.168.0.103	192.168.0.105	HTTP	96 HTTP/1.1 200 OK (text/html)
	7936 290.301903	192.168.0.105	192.168.0.103	HTTP	860 GET /e/admin/adminstyle/1/adminmain.css HTTP/1.1
	7956 290.323776	192.168.0.105	192.168.0.103	HTTP	858 GET /e/admin/adminstyle/1/images/logo.gif HTTP/1.1
	7976 290.364662	192.168.0.105	192.168.0.103	HTTP	862 GET /e/admin/adminstyle/1/images/fastmenu.png HTTP/1.1
	7998 290.410909	192.168.0.105	192.168.0.103	HTTP	858 GET /e/admin/adminstyle/1/images/info.png HTTP/1.1
	8022 290.429186	192.168.0.105	192.168.0.103	HTTP	960 GET /e/admin/main.php?ehash_aCgC=jY4RCpujFLaIDKCRQCSK HTTP/1.1
	8030 290.438100	192.168.0.105	192.168.0.103	HTTP	965 GET /e/admin/ListEnews.php?ehash_aCgC=jY4RCpujFLaIDKCRQCSK HTTP/1.1
	8038 290.442124	192.168.0.105	192.168.0.103	HTTP	858 GET /e/admin/adminstyle/1/images/shop.png HTTP/1.1
	8074 290.451467	192.168.0.103	192.168.0.105	HTTP	59 HTTP/1.1 200 OK (text/html)

ightarrow Frame 7149: 664 bytes on wire (5312 bits), 664 bytes captured (5312 bits) on interface 0

> Ethernet II, Src: RivetNet\_71:e3:9b (9c:b6:d0:71:e3:9b), Dst: RivetNet\_71:e3:9b (9c:b6:d0:71:e3:9b)

- > Internet Protocol Version 4, Src: 192.168.0.105, Dst: 192.168.0.103
- Transmission Control Protocol, Src Port: 53202, Dst Port: 80, Seq: 1, Ack: 1, Len: 610

> Hypertext Transfer Protocol

HTML Form URL Encoded: application/x-www-form-urlencoded

- > Form item: "enews" = "login"
- > Form item: "username" = "root"
- > Form item: "password" = "admin123"
- > Form item: "equestion" = "0"
- > Form item: "eanswer" = ""
- > Form item: "adminwindow" = "0"
- > Form item: "empirecmskey1" = ""

https://blog.csdn.net/weixin 39664643

## 0X03 被黑了\_q2

接着上题,过滤http浏览,大致确定攻击者使用管理员弱口令登陆后台,上传webshell.php大马。

此时在http contains "admin"过滤器中发现大马执行了phpinfo命令

	http contains "admin"				
No.	Time	Source	Destination	Protocol	Length Info
	46209 1895.451825	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	46650 1935.008906	192.168.0.103	192.168.0.105	HTTP	938 HTTP/1.1 500 Internal Server Error (text/html)
	48654 2028.938344	192.168.0.105	192.168.0.103	HTTP	1007 GET /webshell.php?eanver=eval HTTP/1.1
	48683 2030.016593	192.168.0.105	192.168.0.103	HTTP	1009 GET /webshell.php?eanver=info_f HTTP/1.1
	48720 2031.522378	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	48877 2047.594369	192.168.0.105	192.168.0.103	HTTP	1015 GET /webshell.php?eanver=main&path=D: HTTP/1.1
	48982 2049.594361	192.168.0.105	192.168.0.103	HTTP	1010 GET /webshell.php?eanver=upfiles HTTP/1.1
	49072 2051.193101	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	49243 2063.438538	192.168.0.105	192.168.0.103	HTTP	1007 GET /webshell.php?eanver=eval HTTP/1.1
	49258 2063.902416	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	49270 2064.625876	192.168.0.105	192.168.0.103	HTTP	1009 GET /webshell.php?eanver=info_f HTTP/1.1
	49308 2065.108710	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	49331 2065.813504	192.168.0.105	192.168.0.103	HTTP	1010 GET /webshell.php?eanver=phpinfo HTTP/1.1
	49364 2066.267192	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.3%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	49379 2067.032297	192.168.0.105	192.168.0.103	HTTP	1010 GET /webshell.php?eanver=upfiles HT?/1.1
-	49465 2067.206831	192.168.0.103	192.168.0.105	HTTP	1369 HTTP/1.1 200 OK (text/html)
	49495 2067.466165	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	49536 2068.750779	192.168.0.105	192.168.0.103	HTTP	1015 GET /webshell.php?eanver=main&path=D: HTTP/1.1
	49544 2068.938992	192.168.0.103	192.168.0.105	HTTP	938 HTTP/1.1 500 Internal Server Error (text/html)
	49563 2069.208665	192.168.0.103	104.18.54.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HTTP/1.0
	F 40334 4040 I			1 (000)	

Frame 10331, 1010 butes on vine (0000 bits) 1010 butes contined (0000 bits) on intenface 0

接着右键追踪http流,拿到主机名

```
A769-00AA001ACF42" alt="PHP Logo" /></a><h1 class="p">PHP Version 5.3.29</h1>
<br />
System Windows NT DESKTOP-AU8UL8C 6.2 build 9200 (Unknow
Windows version Home Premium Edition) i586 
Build Date Aug 15 2014 19:01:45
                                               /td>
Compiler MSVC9 (Visual C++ 2008) 
Architecture x86 
Configure Command cscript /nologo configure.js "--
enable-snapshot-build" "--enable-debug-pack" "--disable-zts" "--
disable-isapi" "--disable-nsapi" "--without-mssql" "--without-pdo-
mssql" "--without-pi3web" "--with-pdo-oci=C:\php-
sdk\oracle\instantclient10\sdk,shared" "--with-oci8=C:\php-
sdk\oracle\instantclient10\sdk,shared" "--with-oci8-11g=C:\php-
sdk\oracle\instantclient11\sdk,shared" "--with-enchant=shared" "--enable-
object-out-dir=../obj/" "--enable-com-dotnet=shared" " equither/weixin_39664643
   t-staticQauate Qauate
                  dicable static analyza@ayaty //tdx//tm
```

得到flag{df575d8ac57ee19554a0a87681edb60b}

## 0X04 被黑了 q3

结合上题phpinfo流中得到绝对路径D:/phpstudy pro/WWW

LYELYER CT022- 6 N DEWAEWE DEWAEWE LOWE TV/ CRAZZER CT022- A NOAV CRAZYELY	
_SERVER["REMOTE_ADDR"]192.168.0.105	
_SERVER["DOCUMENT_ROOT"]D:/phpstudy_pro/WWW	
_SERVER["REQUEST_SCHEME"]http	
_SERVER["CONTEXT_PREFIX"] <i>no value</i> <td>(r&gt;</td>	(r>
_SERVER["CONTEXT_DOCUMENT_ROOT"]D:/phpstudy_po/	WWW
_SERVER["SERVER_ADMIN"]admin@example.com <td>r&gt;</td>	r>
_SERVER["SCRIPT_FILENAME"]D:/phpstudy_pro/WWW/we	bshell.php </td
td>	
_SERVER["REMOTE_PORT"]53676	
_SERVER["GATEWAY_INTERFACE"]CGI/1.1	
_SERVER["SERVER_PROTOCOL"]HTTP/1.1	
_SERVER["REQUEST_METHOD"]GET	
_SERVER["QUERY_STRING"]eanver=phpinfo	
_SERVER["REQUEST_URI"]/webshell.php?eanver=phpin	fo
_SERVER["SCRIPT_NAME"]/webshell.php	~
分組 49465.0 客户端 分組, 1 服务器 分組, 0 turn(s).点击逃弾. hitose//block.escho	ot/weivin_39884843
192 168 0 103·80 → 192 168 0 105·53676 (cc )皮)	保存粉据为 ASCTT 🗸

```
192, 168, 0, 103, 80 \rightarrow 192, 168, 0, 105, 53676, (66, 1/8)
```

如下图中找到上传的大马文件名webshell.php

		🖲 📙 🛅 🗙 🖸	] 🍳 ⇔ ⇒ ≌ 🕆 🖖 📑	📃 🔍 Q, Q, 👥		
	http con	tains "shell"				
No.		Time	Source	Destination	Protocol	Length Info
	10839	401.990996	192.168.0.105	182.247.254.60	HTTP	124 GET /n/kuaizip/shell.json HTTP/1.1
	17515	744.652173	192.168.0.105	192.168.0.103	HTTP	331 POST /e/admin/ecmsmod.php HTTP/1.1 (video/mpeg)
	17834	762.179944	192.168.0.105	192.168.0.103	HTTP	848 GET /e/admin/shell.php HTTP/1.1
	17836	762.180495	192.168.0.103	192.168.0.105	HTTP	599 HTTP/1.1 404 Not Found (text/html)
	38543	1495.733866	192.168.0.105	192.168.0.103	HTTP	843 GET /webshell.php HTTP/1.1
	38581	1498.228443	192.168.0.103	104.18.55.205	HTTP	76 GET /?hm=http%3A%2F%2F192.165.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HT
	38743	1504.521949	192.168.0.105	192.168.0.103	HTTP	1001 POST /webshell.php HTTP/1.1 (application/x-www-form-urlencoded)
	38759	1504.957704	192.168.0.103	104.18.55.205	HTTP	76 GET /?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php HT
	38781	1505.912636	192.168.0.103	192.168.0.105	HTTP	222 HTTP/1.1 200 OK (text/html)

综上, D:/phpstudy pro/WWW/webshell.php, 得到flag{8cbb0ea656d8feafadd6b63095a3c0f7}

### 0X05 流量分析

照例过滤http,发现进行目录爆破,发现后台登陆口存在SQL报错注入,后续进行报错注入

看来题目的意思就是需要找到流量包中SQL爆破出来的flag

过滤器直接http contains "flag",一个一个包看过去,前面还有一些假的flag,哈哈,直到最后三个包



#### 分三次请求拿到了flag的hex编码



#### 对其进行hex解码即可得到flag

#### Hex编码/解码

#### 在下面的文本框内输入需要处理的内容

🗌 带 % 符号

flag{b409f72f-8330-4cd https://blog.csdn.net/weixin\_39664643

flag{b409f72f-8330-4cd4-9f12-7487e4286694}

## 0x06 XTEA

根据下载附件的密文和key知道是xtea加密,直接工具解密得到flag。

Xtea加密模式:	ECB ~	填 <b>充:</b>	zeropadding	$\sim$	密码:	xtea	偏移量:	iv偏移量,e
待加密、解密的文	×	]						
4XugK90+RgRA	Ty8XCToF	Ew2Xh/Y	LdKvvP8EyzRr	i01	nl1b25F	KW9iX2CUInAkHqep₩		
↑将你电脑文件	キ直接拖入	、试试^-/	<b>`</b>					
Xtea加密、解密辑	)换结果(b)	ase64 了)						
flag {5369ddb	1-72fb-4	4add-a2	fe-583f3422d	2c4	}			

0x07 神秘邮件:

按照题目的意思,先使用010-editor工具查看可直接获得flag的前部分和中间部分,

E2	6B	50	EA	5C	62	44	DF	AB	4D	DC	EC	88	24	03	6A	âkPê\bDß≪MÜì^\$.j
53	4F	7C	B9	76	51	9D	<b>A</b> 8	<b>A</b> 1	4E	12	B3	F4	0F	F5	32	SO 'vQ.";N.'ô.ő2
36	19	87	D6	BA	98	C4	32	FF	00	2C	AE	A3	51	FE	27	6.‡Ö°Ä2ÿ.,⊗£Qþ'
AЗ	FF	D9	5A	6D	78	68	5A	33	73	77	4E	54	46	6B	4E	£ÿÙZmxhZ3swNTFkN
54	46	6A	59	79	30	79	4E	54	49	34	49	41	ЗD	ЗD		TFjYy0yNTI4IA==

Base64解码得到flag{051d51cc-2528

陆续向上翻阅得到-4c65-bf88-

4EB0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
4ECOh:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
4ED0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
4EEOh:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
4EF0h:	00	00	2D	00	34	00	63	00	36	00	35	00	2D	00	62	00	4.c.6.5b.
4F00h:	66	00	38	00	38	00	2D	00	00	00	7D	00	00	00	FF	E1	f.8.8}ÿá
4F10h:	08	DD	68	74	74	70	ЗA	2F	2F	6E	73	2E	61	64	6F	62	.Ýhttp://ns.adob
4F20h:	65	2E	63	6F	6D	2F	78	61	70	2F	31	2E	30	2F	00	3C	e.com/xap/1.0/.<
4F30h:	ЗF	78	70	61	63	6B	65	74	20	62	65	67	69	6E	ЗD	27	<pre>?xpacket begin='</pre>
4F40h:	EF	BB	BF	27	20	69	64	ЗD	27	57	35	4D	30	4D	70	43	ï≫¿' id='W5M0MpC
4F50h:	65	68	69	48	7A	72	65	53	7A	4E	54	63	7A	6B	63	39	ehiHzreSzNTczkc9
4F60h:	64	27	ЗF	ЗE	0D	0A	3C	78	ЗA	78	6D	70	6D	65	74	61	d'?> <x:xmpmeta< td=""></x:xmpmeta<>

这是眼睛看瞎也没发现什么了,查找资料发现发现是zip缺少头部504B,添加解压即可得到完整的docx文件,在 doc文档显示背景颜色可发现隐藏的后半部flag字样,拼凑可得完整的flag。

EB0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
ECOh:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
ED0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
EE0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
EF0h:	00	00	2D	00	34	00	63	00	36	00	35	00	2D	00	62	00	4.c.6.5b.
F00h:	66	00	38	00	38	00	2D	00	00	00	7D	00	00	00	FF	E1	f.8.8}ÿá
F10h:	80	DD	68	74	74	70	ЗA	2F	2F	6E	73	2E	61	64	6F	62	.Ýhttp://ns.adob
F20h:	65	2E	63	6F	6D	2F	78	61	70	2F	31	2E	30	2F	00	3C	e.com/xap/1.0/.<
F30h:	3F	78	70	61	63	6B	65	74	20	62	65	67	69	6E	3D	27	<pre>?xpacket begin='</pre>
F40h:	EF	BB	BF	27	20	69	64	ЗD	27	57	35	4D	30	4D	70	43	' id='₩5M0MpC
F50h:	65	68	69	48	7A	72	65	53	7A	4E	54	63	7₽.	6B	63	39	ehiHzreSzNTczkc9
F60h:	64	27	ЗF	ЗE	0D	0A	3C	78	ЗA	78	6D	70	691	tęş:	74QI	og.c:	salu verxiverxivers
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