

# 网络安全管理职业技能大赛WriteUP

原创

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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

```
MZWGCZ33GU2DMZDDMQ3GELJTGNRWMLJUGA4GKLLBGYYDGLJSG43TMMDBMRQTSOBUGR6Q====
```

编码

解码

清空

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

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```
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)

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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 the value 'admin123'. The URL is encoded as 'application/x-www-form-urlencoded'.

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)

```
> 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" = ""
```

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## 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 a webshell.php file. The URL contains a phpinfo command: '?hm=http%3A%2F%2F192.168.0.103%2Fwebshell.php%7C%7Cadmin&bz=php'. A red arrow points to this part of the URL.

No.	Time	Source	Destination	Protocol	Length	Info
49331	2065.813504	192.168.0.105	192.168.0.103	HTTP	1010	GET /webshell.php?eanver=phpinfo HTTP/1.1

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 form data is displayed as follows:

```
HTML Form URL Encoded: application/x-www-form-urlencoded
> Form item: "user" = "admin' a and nd updatexml(1,concat(0x7e,substr((select group_concat(flag) fr from om beescms.flags),1,32),0x7e),1)#"
> Form item: "password" = "a"
> Form item: "code" = "1316"
> Form item: "submit" = "true"
> Form item: "submit.x" = "61"
> Form item: "submit.y" = "22"
```

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。

Xtea加密模式: ECB 填充: zeropadding 密码: xtea 偏移量: iv偏移量, e

待加密、解密的文本: `4XugK90+RgRATy8XCToEw2Xh/YLdKvvP8EyzRri01nl1b25KW9iX2CUInAkHqepW`

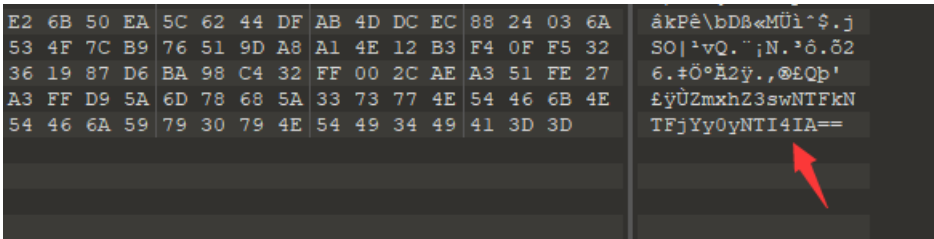
↑ 将你电脑文件直接拖入试试^\_^

Xtea加密、解密转换结果(base64了): `flag{5369ddb1-72fb-4add-a2fe-583f3422d2c4}`

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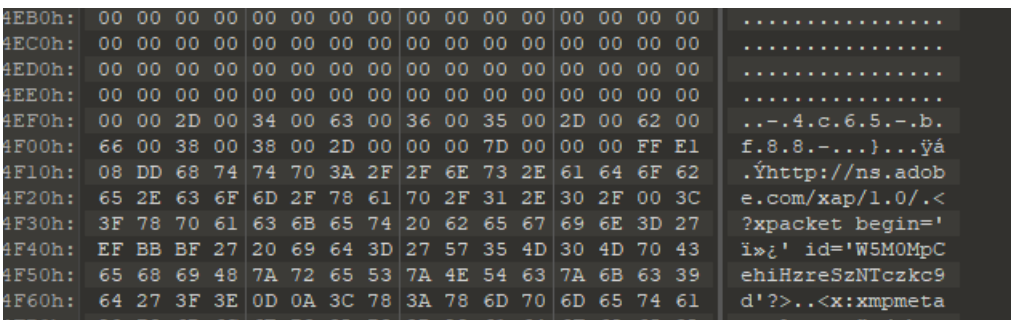
### 0x07 神秘邮件:

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

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