



刷题之旅第43站,i春秋网络安全公益赛, misc题目: code_in_morse

原创

[圆圈勾勒成指纹](#)  于 2020-02-22 16:34:10 发布  789  收藏

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感谢i春秋平台提供题目

下载出来附件是一个流量包, 使用wireshark进行分析http协议。

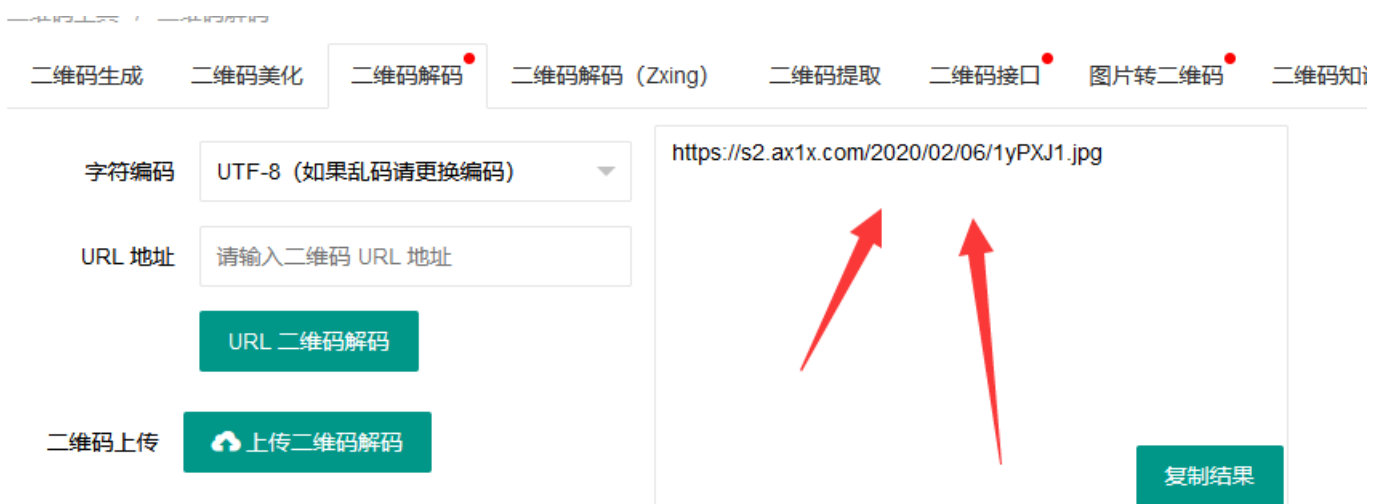

```
import base64

a= 'RFIE4RYNBINAUAAAAAGUSSCEKIAAAAEUAAAAA7AIAYAAAAEPFOMTAAAABANUSRCBKR4F53M52F3NW0AMIQ37776R5GE6YNWJPUA4ZBZM6M5Z
PRVWIURUHGMBRAMU7T3P57X776PP5DOB1QIXQE2RCZC5EYFWBAESRALQNACALVNE4B2TCABEA4XIZQAVKFXW63203XS5HZT7R2J747545E4Y7K6H
JA7WI5Y62W40H7HJ75RL2VOMUMN200XOWU7RXV7U6D7AFC2X6TBGSDQII3ABOUCCARS2Q7CAATKD2HRTI6JKAZNIXYXGK3Z04P0ZEN566RDQVSAK
WF26VLJJP5VD2FAATKAMCHTP27Y5IKTWNNAKLVNEPULX6XVICOQMXGHEPDBYZYXZ2R6KKTU7Z7F7X2CBGUXSOSHI COPIPQCJNAT3JO5ND50HLBW
5BF4CWN15BFKTERWIUWFZYKVVKURW57PI4FEXURAUFXBD6JQKSPZF7EXRCEPUSHJMS7GVKVD0G7W6F4ZL4XILUVCKWGFZ3KV2I5WBR7R2QALVHN
SEWCKDCIXCA3VJU2QAJVCUZS03LZICZJAASKAD2LKQ6BLVPQLUDSDLFPZP2WOTPLVLNABG7SPICMT3K52QLTWK3Y4NBXIMX5NRKJIA5FLO6Y3LVP
55BPDITRVN2UYEZ33ERFZ2R4KTFFVJVECKRKA2LRCKQFHEAIEAKZWYCKXRXLGJYJXQKZ445HWLUPAFGIC7FV46SB5MERIYNWSHUCNUQP50B4S2B
DQ7627HULZQRW3QYNKQKU3VHCNJSU6E36IUEPU2TBGKZOSB22N2R6TPY7XUG32VIXLTHGHJXGWNWMTJOGFMAJH0VWIIGDSG2K00NGK7UDFQS4ZOK
2OAXKAXWZRTOTZQ2Q7CKRKRWAK6IAK2SRYLT72DGHQXRJGGDN57EJBJ2M7VJHOGJKEHUSASU2KKTFB4SW5MB5C4YR4SSKNON3XLS56K7CGJKAZNI
P6E7RVUY60FIBTXYREMWWKPIDKRPTJSMRJPXKUOWT5IZP3HEJ65OYVIL IUGUI2QHG32VAAXK023H2BTIAF2UF4QESSANVEKPILOY63ZA5GUZR
LLCIQSY6IRWLSTWULC5KBRAFOQPPEED3VB6IKKDRSN2FF4UVX57KT6TUQCRQZ2DXZS5AYOCLHKK6I2JUPRSK2HVI3YKBTZXWQDNGI3FMYHFM03B
IYABKUPTFSK3J4KKPKNALUMP5NFERHUB3I7IWTXQEAMQUPQGRADFFIMKQ3MQNX3BW7NU4WMITZDB5D3FP3VHD2SPCX65ZVL44VUHQMAMHMLZLQFKA
DBFI02RRKTCZYJ2BCENKZ2LY2TIKSH3MMU3EUB5T26E4TP4NK3F6KRSTI3TEKTBKXTJYKHQATMWUDXT5T4CUYXK6U5H2LYAKU05LJIFS2QY407K
ZP3KBCODRBAGLKPND5WUTLOAKEOJP22CBGU6GXYPURPTXHKJLP7D46I2TPFLWQRJ4NIEFDYSNKDYFCERFHAC5NIWVXQXELIUSGKLKZLGT36JMOS
7IIPBU76KXNQDJV4ZSXCE7F5P4U4QIRAKPAWRQFJLVHRFJDKIVLAVFOORM7F5S3U5D6AIFDV27JYJ243PIM6UKVSLKQIZACNKPHVJAQJNPUAWAC
JNAWYEJBR2Q6LTA3STOLSLO6QZFKQ5QGFEZ5TKCJJ6VKBVNV07DKG27T3HHJDRVXTPD6H7EW6FI6QB5GHQVKU3VP54TBBQIDFJ6QFKRZXP4UE2Q
G3EVJDK3AASKBCE5W3VDHVB4JVC7IX0G5C7J4MZWSRDJFSHKH626LIUGRPZ6T2SEANVP5KDXFNKGQIQWS5J5MC5HBH5GGTHZLGWKKOWSCRQNULFG
O4C3ZHUZF6057K4YV2VYUR5BF3PDMEKR7JZEZJAAEUUORJ32GSHIAG40WQS5LPPKVU2J7P5AQUQWRK7HE5BX3UWXJNPSKKBICC5Z5Y5L7AESSANU
YPUNR2USESE20RQMJ5H6KT6Y5TVZD3FA6NLBUASWRM6VZYT6E4J6SW2XLZ6RGW7JL5FECJ53N7KRKRXMJGKVJTH6FNIFIO0A26AFHEAXJCUA
QGBON2UPZNMBRKW7ZKUDZFYMCQBE5B4SUCTJ6TIO0T6J2XVXXLVMP3T3VQUCSIAU4DKFJ7535XXUWGD5V3DJHQ2SXK3PILDELUPQVAVKFKJQM2G
O47WTXXIZQPKNAE2VSDIDGT2VSSNUFSQAJV7WEY2WVFSQANMFERVARSSUGJ7TZLISVGYVPGPSVZTRTRYZXVI6VNNIZ6L FNPL2VAQVECPVZYL3
BR2M2PCXAF5USD6UVR7STM270SOM7D3XUU2RZD5KWOKSBKIKLW3Q6VICJTFVJLQDBREGECQBDKTJETLKU5KYQJVABNCATKD4MCPV6G75HT2V4CPQ
SW64SMM2VIBS2Q65ENEIBIETVJ5MFEFVLPZEXG3JEXX4QXSSUAABGMN67M5CJJVGTWUOS7742UGJK6VG2TGVFVCIYUE2L44E2VBFJHTFNT7URWE
6HSIZ2PF5TR7QST3FEAXIWSMJ04V74VEACNKEGJF3B2IDGRF3BRAYWTALFVCFR7IZCNGVDEUSAZURUGABG5H6TDDKNEVH4TWZC2DI6FR6XT6W64
SDC2JY3WDEXTL0K4ZBKPEXZMPFC4RFCFU5KQ6AEDV6T2MGAJ7HUQQUXSPY2U6VFN3YDVWVKL54UE2RPPUBGUJHDZ5SGMU563JFZIRAPIXIGHL
D2Q5IMUQOWIGOS20ADI4FPZ3GPJHQV2BU74SW6AUSPXX57VPJ24ZF77FNQIURS6KQZGLKPDN5TLRKZZEGEN6K7T65EHP2X7E54M4AZQVRPFHRVD
OZBLVAJF5HUPVMTKKFUF4C2X7FBGUNWESTWFXM37PZIBXQMUERWUSQTFVD65OZR7YZBUACNIP46K3EQXWY5SUSIYGESUH3NL16FI6DAFNUHQD
5KLADK23QWSXWV4UE2RTF6HNMZWTVLVZM6NGKX0P07AKI7Z02AYBGV7YFMMCAQKQ65D6VINJOPMPKV03XS73ICKETFERWLKCFX5YEYQA566QZJ
PETH7AKRZBJPENQNUWN4K2DYTNLWPKY2WKGMDIC5QRQUSO42ZPETOU03VHUIJSVHSN3UXZ2B6OR6ZYB2J4KX5W6QRKB5QMEKQVTTVO2LJYMUL
Y2WDFQWROXMMUWELDVPZBIDFVAWQFLR6AJ6POOEHBW2U4UDC7S2FRU4VC47P3WQJ4BROGKLYQXSVIHL7ZXAID2LZFB5JHV4NIAKQCAJFGYX13
AEAXI2JYDRGUDCMBJIR7ABX03NF6UIUKCLNAAAAAACJIVHEJLSCMCBA===='

b = base64.b32decode(a)

with open('out.png','wb') as f:
    f.write(b)
```

是一张条形码，在线工具解码得到了一张图片。



binwalk 分析一下图片，发现是F5隐写。

```
root@kali: ~/下载
文件(E) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)
root@kali:~/下载# binwalk *
DECIMAL      HEXADECIMAL     DESCRIPTION
-----
0 主目录      0x0             JPEG image data, JFIF standard 1.00
30           0x1E           TIFF image data, big-endian, offset of first image
directory: 8
4255        0x109F        Copyright string: "Copyright 1998, James R. Weeks a
nd BioElectroMech."
root@kali:~/下载# a
```

https://blog.csdn.net/weixin_45940434

F5解密得到flag。

```
Microsoft Windows [版本 10.0.17763.1039]
(c) 2018 Microsoft Corporation. 保留所有权利。

D:\Rolan v2.2 Cracked\工具\F5-steganography-master>java Extract C:\Users\Administrator\Desktop\1yPXJ1.jpg
Huffman decoding starts
Permutation starts
59904 indices shuffled
Extraction starts
Length of embedded file: 42 bytes
(1, 63, 6) code used
```

```
output.txt - 记事本
文件(E) 编辑(E) 格式(O) 查看(V) 帮助(H)
flag{7887080b-a5b5-4cde-99db-52ec276db6dc}
```

结语：
菜鸡的cc师傅，将会持续写出100篇高质量的CTF题目，供大家进行CTF的入门以及进阶，如果觉得文章对您有所帮助，欢迎关注一下cc师傅。

原创文章不易，点个赞再走吧。

