XCTF-MISC-新手区-base64stego

原创

1stPeak 于 2021-06-18 16:34:02 发布 85 收藏

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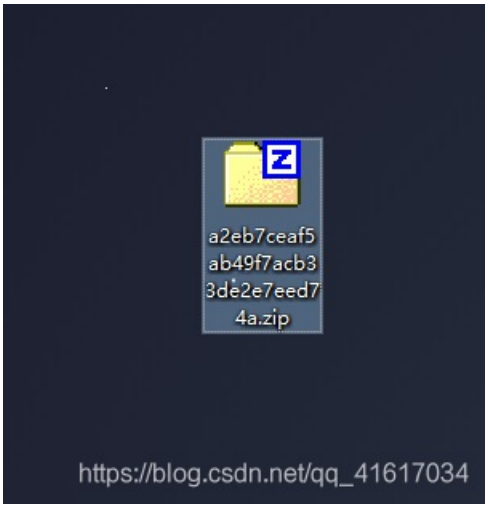
本文链接：https://blog.csdn.net/qq_41617034/article/details/118025152

题目

解题思路

1、下载附件

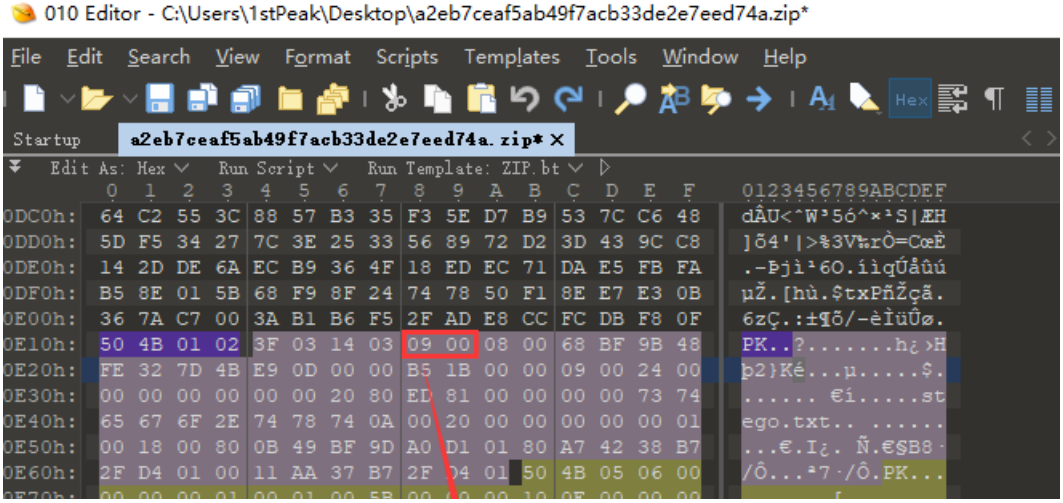


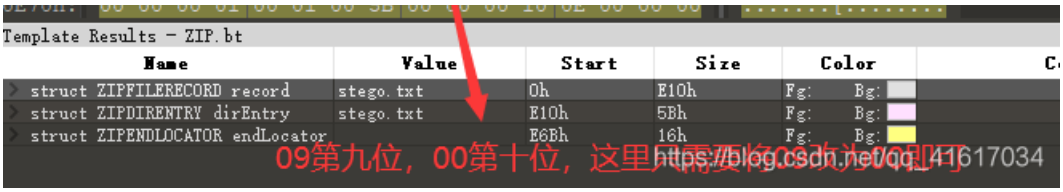
2、查看附件内容

3、直接解压，发现解压失败，存在zip伪加密，那么如何过去stego.txt内容呢

（1）方法一：

使用010Editor搜索50 4B 01 02 ，把第九位和第十位改为00并保存，即可成功解压出stego.txt





（2）方法二：
直接在压缩包中打开，然后复制内容

解题步骤

这是一道base64隐写的题目，这里用网上的py脚本即可
1、python2脚本

```
# -*- coding: cp936 -*-

b64chars = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/'

with open('D:\sw-PyCharmCommunity\PycharmProjects\misc\stego.txt', 'rb') as f:
    bin_str = ''
    for line in f.readlines():
        stegb64 = ''.join(line.split())
        rowb64 =  ''.join(stegb64.decode('base64').encode('base64').split())

        offset = abs(b64chars.index(stegb64.replace('=','')[-1])-b64chars.index(rowb64.replace('=','')[-1]))
        equalnum = stegb64.count('=') #no equalnum no offset

        if equalnum:
            bin_str += bin(offset)[2:].zfill(equalnum * 2)

        print ''.join([chr(int(bin_str[i:i + 8], 2)) for i in xrange(0, len(bin_str), 8)]) #8 位一组
```

```
Base_sixty_four_point_five
Base_sixty_four_point_five
Base_sixty_four_point_five
Base_sixty_four_point_five

D:\sw-PyCharmCommunity\PycharmProjects\misc>
```

2、python3脚本

```
# -*- coding: cp936 -*-
import base64
b64chars = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/'
with open('D:\sw-PyCharmCommunity\PycharmProjects\misc\stego.txt', 'rb') as f:
    bin_str = ''
    for line in f.readlines():
        stegb64 = str(line, "utf-8").strip("\n")
        rowb64 =  str(base64.b64encode(base64.b64decode(stegb64)), "utf-8").strip("\n")
        offset = abs(b64chars.index(stegb64.replace('=','')[-1])-b64chars.index(rowb64.replace('=','')[-1]))
        equalnum = stegb64.count('=') #no equalnum no offset
        if equalnum:
            bin_str += bin(offset)[2:].zfill(equalnum * 2)
        print(''.join([chr(int(bin_str[i:i + 8], 2)) for i in range(0, len(bin_str), 8)])) #8 位一组
```

```
Base_sixty_four_point_five
PS D:\sw-PyCharmCommunity\PycharmProjects\misc>
```