




# XCTF Crypto easychallenge

原创

Okami  于 2020-04-14 16:44:44 发布  445  收藏

分类专栏: [CTF crypto](#) 文章标签: [信息安全](#)

版权声明: 本文为博主原创文章, 遵循 [CC 4.0 BY-SA](#) 版权协议, 转载请附上原文出处链接和本声明。

本文链接: [https://blog.csdn.net/qq\\_41743240/article/details/105515300](https://blog.csdn.net/qq_41743240/article/details/105515300)

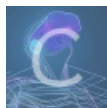
版权



[CTF](#) 同时被 2 个专栏收录

12 篇文章 0 订阅

订阅专栏



[crypto](#)

1 篇文章 0 订阅

订阅专栏

pyc逆向工程

使用uncomplye2工具进行pyc反编译

[工具链接](#)

```
root@okami:~/uncomplye2/scripts# ./uncomplye2 -o 1.py 1.pyc
# 2020.04.14 16:39:40 CST
+++ okay decompiling 1.pyc
# decompiled 1 files: 1 okay, 0 failed, 0 verify failed
# 2020.04.14 16:39:40 CST
root@okami:~/uncomplye2/scripts#
```

[https://blog.csdn.net/qq\\_41743240](https://blog.csdn.net/qq_41743240)

[查看反编译出来的源代码](#)

```
#Embedded file name: ans.py
import base64

def encode1(ans):
    s = ''
    for i in ans:
        x = ord(i) ^ 36
        x = x + 25
        s += chr(x)

    return s

def encode2(ans):
    s = ''
    for i in ans:
        x = ord(i) + 36
        x = x ^ 36
        s += chr(x)

    return s

def encode3(ans):
    return base64.b32encode(ans)

flag = ''
print 'Please Input your flag:'
flag = raw_input()
final = 'UC7KOWVXWVNKNIC2XCXKHKK2W5NLBKN0UOSK3LNNVW3E=== '
if encode3(encode2(encode1(flag))) == final:
    print 'correct'
else:
    print 'wrong'
```

解密脚本:

```
import base64

def decode1(ans):
    s=''
    for i in ans:
        x=ord(i)
        x=x-25
        x=x^36
        s+=chr(x)
    return s

def decode2(ans):
    s=''
    for i in ans:
        x=ord(i)
        x=x^36
        x=x-36
        s+=chr(x)
    return s

def decode3(ans):
    a=base64.b32decode(ans)
    return a

print decode1(decode2(decode3('UC7K0wVXwVnKNIC2XCXKHKK2W5NLBKNouOSK3LNNVwW3E===')))
```

执行结果

```
root@okami: ~/uncompyle2/scripts
root@okami:~/uncompyle2/scripts# python 2.py
cyberpeace{interestinghhhhh}
root@okami:~/uncompyle2/scripts#
```