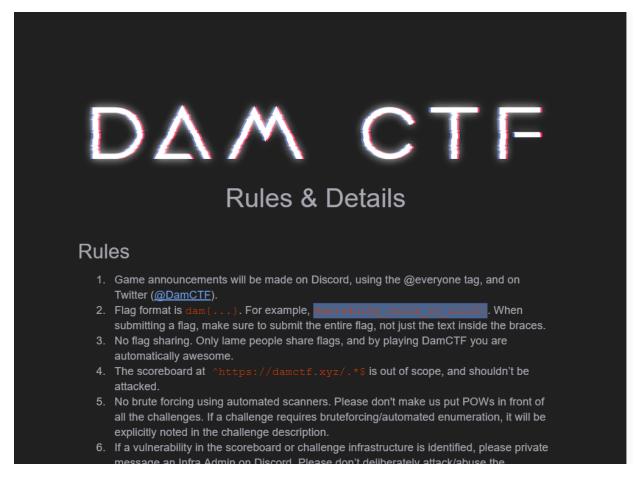
DAMCTF

Misc

rules

签到题,看rules就可以拿到flag



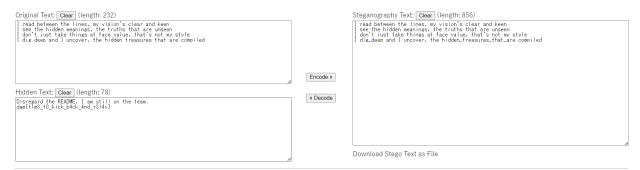
misc

de-compressed

010发现隐藏的文件,提取压缩包,binwalk和foremost都没有成功,dd提取。

使用winrar修复,获得secret.txt,宽字节隐写。

Text in Text Steganography Sample



crypto

crack-the-key

openssl分析公钥证书

e是65537

16进制的n:

DF18A033A1E0D6BECF8E34FCEE4466F72B0E7706D11ED16EF6F7BD39FC975DE3B370847C031D7644E 94ECE711FA2308BD5C5C909E88CB23F7D2D4FC34090327F

10进制的n:

11684495802889072585203310515250083572285658052270998153007378254694580706620837521 287604089276341404868210594675627429508088431073125103913482926295102079



p:

106824314365456746562761668584927045312727977773444260463553547734415788806571

q:

109380489566403719014973591337211389488057388775161611283670009403393352513149

c:

base64=

 $\label{eq:main_policy} M1Qgcu5TJPojVpLreDXxEPctgYG7ZSXso0bIcPWeHsorU7Z5MDViiLPMTfCkdB0UtbdZeWNNzJ5EEtqk+nZixQ==$

Hex=

0x33542072ee5324fa235692eb7835f110f72d8181bb6525eca346c870f59e1eca2b53b67930356288b3c c4df0a4741d14b5b75979634dcc9e4412daa4fa7663c5

```
import gmpy2
from Crypto.Util.number import long_to_bytes
import base64
\mathsf{q} \; = \; 106824314365456746562761668584927045312727977773444260463553547734415788806571
\mathsf{p} = 1093804895664037190149735913372113894880573887751616111283670009403393352513149
e = 65537
C =
0x33542072ee5324fa235692eb7835f110f72d8181bb6525eca346c870f59e1eca2b53b67930356288b3
cc4df0a4741d14b5b75979634dcc9e4412daa4fa7663c5
print(type(c),c)
n = q*p
print(n)
d = gmpy2.invert(e, (p - 1) * (q - 1))
print("d=",d)
m = pow(c, d, n)
print(m)
print(long_to_bytes(m))
```

web

tcl-tac-toe

审计源码判断移动是否合法的函数,判断依据一:是不是只下了一步,依据二,不能下在已经被X或O标记的地方。

第一步利用其他字符例如Q占位,干扰判断,使得电脑随机下O。

第二步和第三步开始下X,制造一个2连。

