【CTF题目】01巍然不动 MISC 隐写

原创

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MISC

1 篇文章 0 订阅

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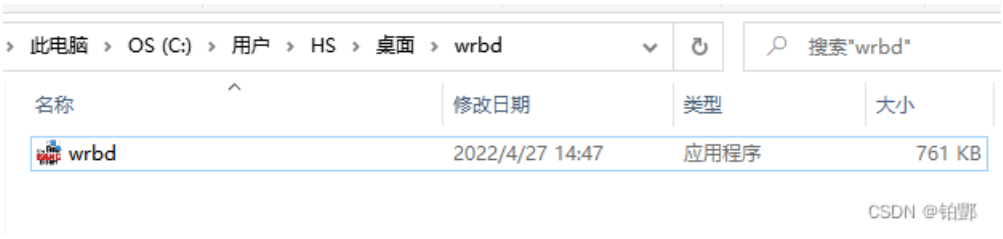
MISC 隐写

题目LINK.

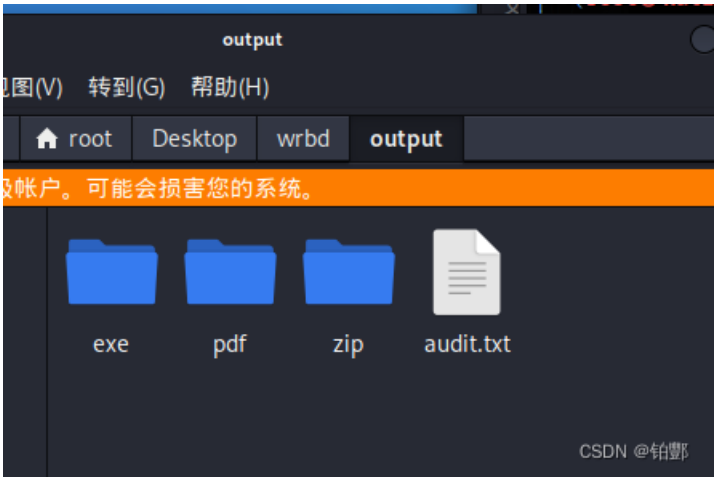
【看雪】



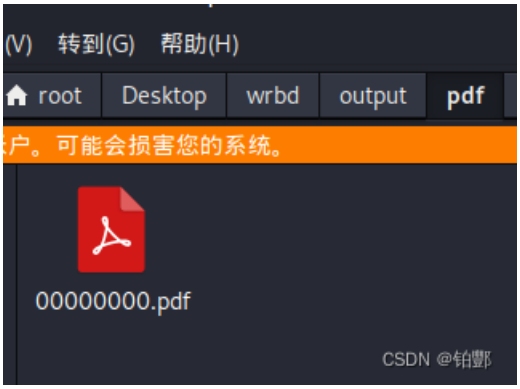
kali linux

正确流程

binwalk 文件分析
foremost 文件分离

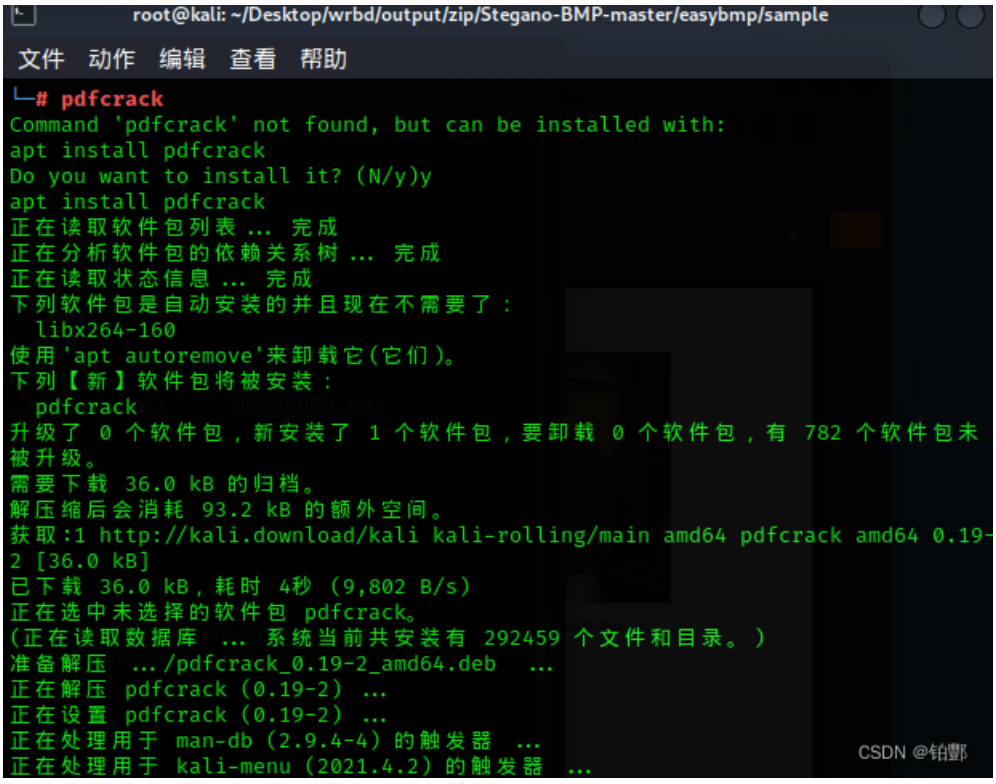


得到一个pdf和一个文件夹



PDF打开需要密码

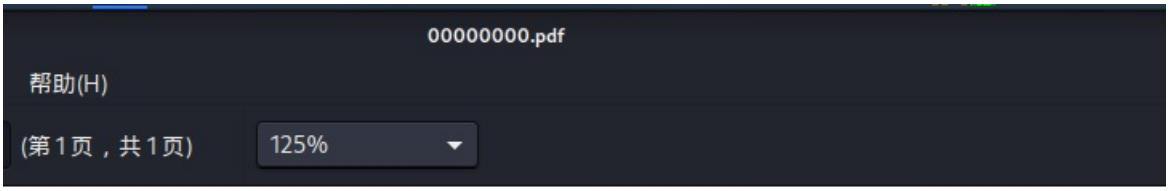
使用pdfcrack



使用kali自带的字典
文件目录在/usr/share/wordlists/
进去解压rockyou.txt

```
┌──(root㉿kali)-[~/Desktop/wrbd/output/pdf]
└─# pdfcrack  -w /usr/share/wordlists/rockyou.txt  -f 00000000.pdf
PDF version 1.5
Security Handler: Standard
V: 2
R: 3
P: -1028
Length: 128
Encrypted Metadata: True
FileID: 001b62552dee6ce9fdc2b442e9f0cc0b
U: fdaee14bbe641f80b7e43e2b1b2935870000000000000000000000000000000000
O: d03d46c7c8437715422453502730 96ebf319e82bbeb82a3326e43a2ccfeaf2ff
found user-password: 'sheldon'
```

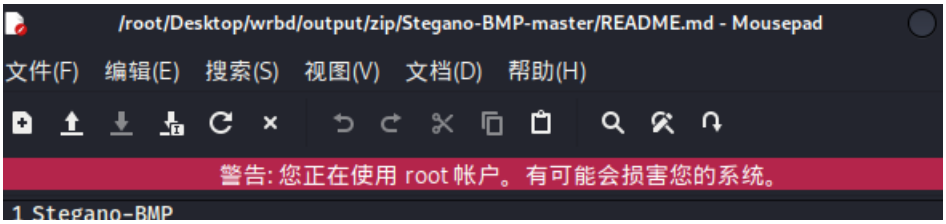

得出密码sheldon
打开pdf 输入密码获得flag StephenHawkingSpentSomeTimeOnSteganoTrolling



StephenHawkingSpentSomeTimeOnSteganoTrolling

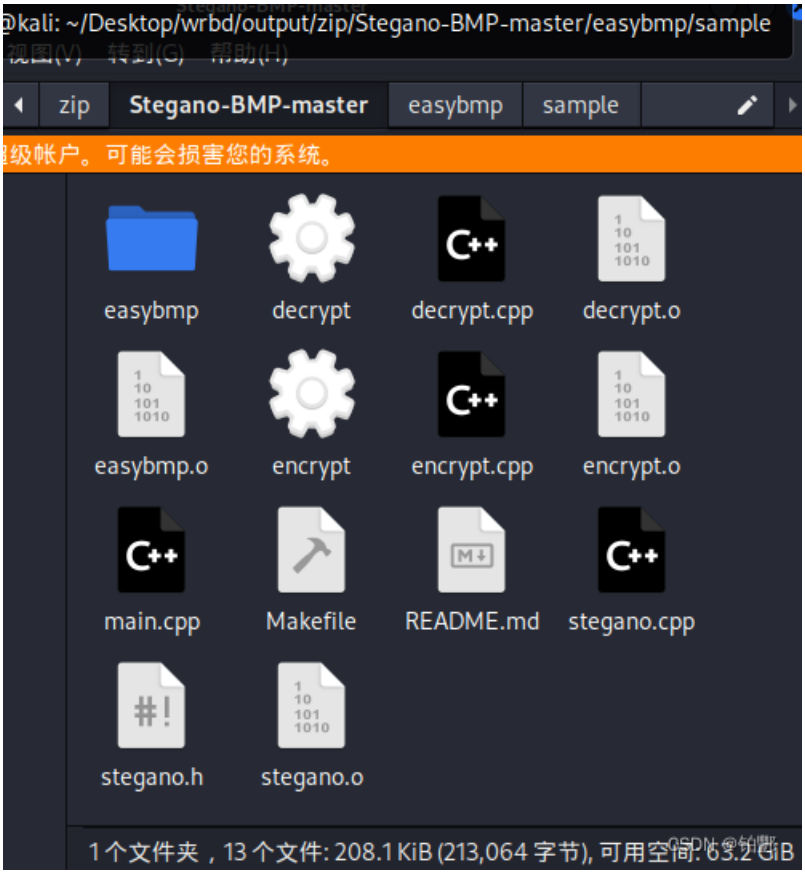
错误的尝试

猜测密码可能在文件夹内，于是打开文件夹
文件夹内readme:



```
2 ═══════
3
4 A Program to hide information in bmp-files
5
6 To build, run `make`
7
8 To install on Linux, run `make install`
9
10 To install on Windows, hahahaha no.
11
12 Use encrypt to hide information, use decrypt to extract information.
13
```

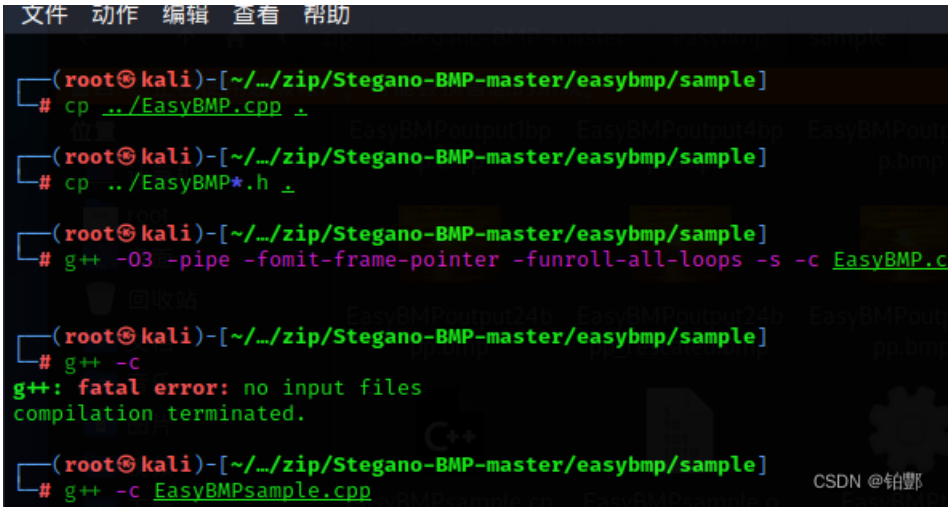

根据以上步骤，获得了加解密



然后进入/root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/
有一个makefile

```
37 EasyBMPTest: EasyBMP.o EasyBMPsample.o
38         g++ $(CFLAGS) EasyBMP.o EasyBMPsample.o -o EasyBMPtest
39
40 EasyBMP.o: ../EasyBMP.cpp ../EasyBMP*.h
41         cp ../EasyBMP*.h .
42         cp ../EasyBMP.cpp .
43         g++ $(CFLAGS) -c EasyBMP.cpp
44
45 EasyBMPsample.o: EasyBMPsample.cpp
46         g++ -c EasyBMPsample.cpp
47
48 clean:
49         rm EasyBMP*.h
50         rm EasyBMP.cpp
51         rm EasyBMPtest*
52         rm EasyBMPoutput*.bmp
53         rm -f *.o
```

猜测可能需要，完成EasyBMPoutput*.bmp的输出，然后把输出的图片进行解密得出一个密码
根据以上说明



得到

后，运行生成EasyBMPoutput*.bmp，然后decrypt

```
┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# g++ -O3 -pipe -fomit-frame-pointer -funroll-all-loops -s EasyBMP.o EasyBMPsample.o -o EasyBMPtest

┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# decrypt /root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/EasyBMPoutput4bpp.bmp


┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# decrypt /root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/EasyBMPoutput8bpp.bmp
```



```
┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# decrypt /root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/EasyBMPoutput32bpp.bmp
◆

┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# decrypt /root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/EasyBMPoutput24bpp_rescaled.bmp
◆

┌──(root㉿kali)-[~/…/zip/Stegano-BMP-master/easybmp/sample]
└─# decrypt /root/Desktop/wrbd/output/zip/Stegano-BMP-master/easybmp/sample/EasyBMPoutput24bpp.bmp
◆
```


最后三个图片，解出来乱码

看writeup有解出来3，搞不出来

难道是有3个？

看了评论 3像耳朵

收敛一下 sheldon =谢耳朵

生活大爆炸，题目的台词搜了也是

总结

分离文件 foremost好用

对pdf的破解可以使用pdfcrack

pdfcrack

pdfcrack -w 字典文件 -f 破解pdf

kali自带的字典所在/usr/share/wordlists/rockyou.txt