



recruitment **CTF**

2024-25

CHALLENGE NAME:

[You Can't See Me]

DEV: [Abhinav Mehta]

CATEGORY: [Forensics]

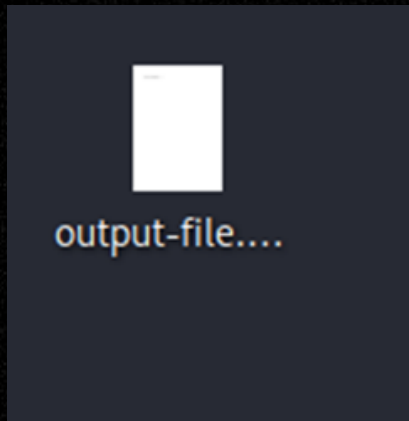
LEVEL: [Easy]



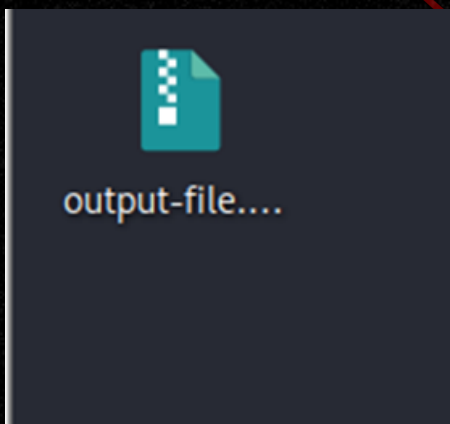
Challenge Description:

Just as Ravi was about to continue his walk home, his phone buzzed with a notification. It was a message from an unknown number, containing a peculiar file with a note: "Enjoyed the fair? Some files hide more than they show." Ravi's curiosity was piqued, but he decided to ignore the file and focus on the good memories of the day.

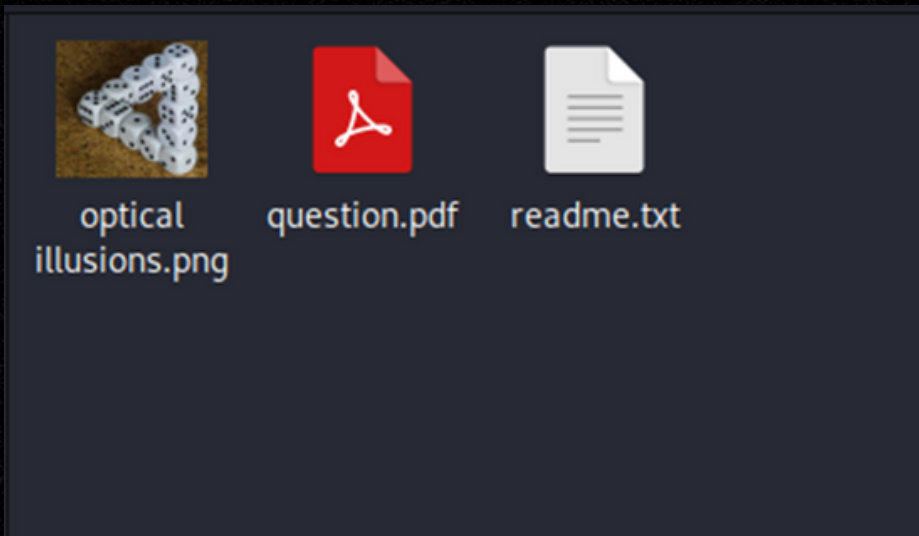
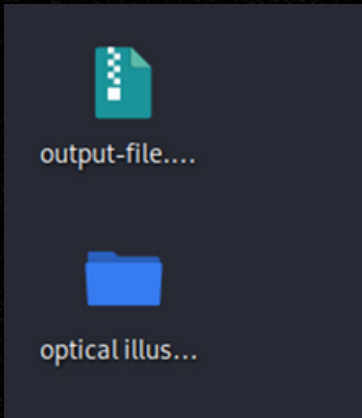
Can you uncover the hidden data within the file?

Solution:

1. So you all might have got a Pdf file "challenge-file.pdf" so that catch here is it's not a pdf file actually it looks like it but isn't ..
2. Rename the file with .zip extension.



after That extract the zip you will get a folder



As the locked pdf we have to get the password .So for the password part you have to see the meta data of the image provided using the exiftool or any other online meta data extractor there you will get the password for the file which is “49 48 116 104 65 117 103 ”

```
(d4n4v@danav) [~/Desktop/optical illusions]
$ exiftool optical\ illusions.png
ExifTool Version Number      : 12.76
File Name                    : optical illusions.png
Directory                   : .
File Size                    : 571 kB
File Modification Date/Time  : 2024:08:10 02:07:21+04:00
File Access Date/Time       : 2024:08:10 04:18:16+04:00
File Inode Change Date/Time  : 2024:08:10 04:15:58+04:00
File Permissions             : -rwxrwx-r--
File Type                    : PNG
File Type Extension          : png
MIME Type                    : image/png
Image Width                  : 634
Image Height                 : 575
Bit Depth                    : 8
Color Type                   : RGB
Compression                  : Deflate/Inflate
Filter                       : Adaptive
Interlace                    : Noninterlaced
White Point X                : 0.3127
White Point Y                : 0.329
Red X                        : 0.64
Red Y                        : 0.33
Green X                      : 0.3
Green Y                      : 0.6
Blue X                       : 0.15
Blue Y                       : 0.06
Background Color             : 255 255 255
Pixels Per Unit X            : 2834
Pixels Per Unit Y            : 2834
Pixel Units                  : meters
Datecreate                   : 2024-08-10T02:42:44+00:00
Datemodify                   : 2024-08-10T02:42:44+00:00
Datetimestamp                : 2024-08-10T02:42:44+00:00
Comment                      : key :49 48 116 104 65 117 103
Image Size                   : 634x575
Megapixels                   : 0.365
```

```
(d4n4v@danav) [~/Desktop/optical illusions]
$
```


You can see the key in the comments of the meta data.

Entering the key we can open the pdf in the folder.

At the end of the PDF there is the flag

Final Flag is:

RecruitmentCTF{POLYGLOT_H4CK3RY_1S_A_P1ECE_OF_4RT}

