

## **FAIRYTALES**

## Description:

Embark on a quest into the heart of the Arctic's endless ice, where ancient mysteries await. The Eternal Navigator, a ship lost to time, holds the key to forgotten knowledge-and the cost of uncovering its secrets may be greater than you ever imagined.

#### 1. Initial overview

Checking the metadata using exiftool on Fairytales.pdf, we get to see two of unknown encryption was found.

```
(osiris@ALICE)-[-/Downloads/CTF/STOUTCTF/Fairytales]
Exiftool Version Number
File Name
Director
File Name
Directory
File Size
File Modification Date/Time
File Access Date/Time
File Inode Change Date/Time
File Permissions
File Type
                                                                                                                                                                                                                                                                                                                                                                                                    2024:12:20 12:40:21+09:00
2024:12:21 14:54:30+09:00
2024:12:20 12:40:21+09:00
-rwxr-xr-x
                                                                                                                                                                                                                                                                                                                                                                                                           application/pdf
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The Eternal Navigator
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J. (1984) Sept. (1984) Se
                                       wasas
NzIgNzUgNjUgMjAgNzQgNzIgNjU
AgNzIgNjUgNmQgNjEgNjkgNmUgM
NjkgNjcgNjggNzQgMjAgNmEgNzU
                                          ifv Date
```

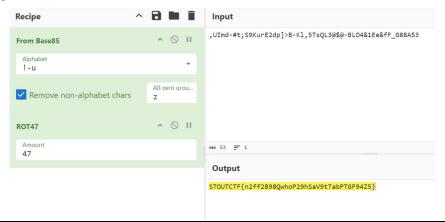
## 2. Decode BASE64

Trying to decode the Flag. It was just a rabbit hole. Then we need some way or keys to uncover the UUID gibberish cipher.

#### 3. Decoding UUID

Reading the PDF get some hinting about 47. While Base85 was the actually from 19'85' hinting. From Base85 > ROT47

# manipulated every character in complex rotations-some shifting 47 places, others even more obscure.



STOUTCTF{n2ff2B98QwhoP29hSaV9tTabPTGF94Z5} Flag