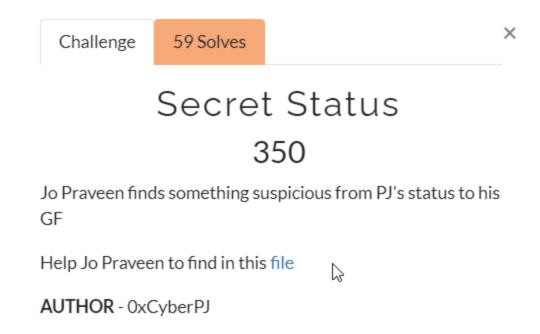
Challenge Name: secret status

CATEGORY: FORENSICS

Level: medium

FLAG: TamilCTF(i_10v3_y0u)

AUTHOR: Paul Jeremiah



Writeup:

→ Given : A mp4 video file (38 seconds)

just twisted audio steganography (spectrogram)

Lets start

- listen to the music
- at the:20 seconds you can notice some weird sound
- after that sound good, but wait
- Again at, the 29th second you can notice the same sound lol
- 1. For more clarity, im converting mp4 to mp3

- 2. raw input makes it hard to read
- **- Video is just for tricking players to get into another track

-Lets extract audio from it

Code:

```
import moviepy.editor
video=moviepy.editor.VideoFileClip("video.mp4")
audio=video.audio
audio.write_audiofile("flag.mp3")
print("|Done|")
                                                           File Edit Shell Debug Options Window Help
                                                           Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [
                                                           MSC v.1928 64 bit (AMD64)] on win32
                                                           Type "help", "copyright", "credits" or "license()" for more
                                                           information.
                                                                    onno 1880-1886 di University (ili diginatating pitabantifia
                                                           Artes 186 percentages
                                                           MoviePy
                                                                   - Writing audio in flag.mp3
                                                                    0%|
                                                                                | 0/839 [00:00<?, ?it/s, now=None]c
                                                           chunk:
                                                           hunk:
                                                                   0%|
                                                                                | 3/839 [00:01<07:15, 1.92it/s, now=N
                                                           one]chunk:
                                                                        5%|
                                                                                     | 44/839 [00:01<00:22, 36.00it/s,
.
                                                                           10%|
                                                                                           | 81/839 [00:01<00:10, 71.2
                                                           now=None]chunk:
                                                                                                 | 112/839 [00:02<00:0
                                                           3it/s, now=None]chunk: 13%|
                                                           8, 84.80it/s, now=None]chunk: 16%|
                                                                                                        | 135/839 [00:
                                                           02<00:07, 100.27it/s, now=None]chunk: 19%|
                                                                                                                1 157/
                                                           839 [00:02<00:07, 90.67it/s, now=None] chunk:
                                                            | 176/839 [00:02<00:06, 102.84it/s, now=None]chunk:
                                                                    | 204/839 [00:02<00:06, 100.51it/s, now=None]chun
                                                           | 241/839 [00:02<00:04, 141.01it/s, now=N
                                                                                     | 263/839 [00:03<00:04, 136.77it/
                                                           s, now=None]chunk: 34%|
                                                                                             | 284/839 [00:03<00:03, 1
                                                           48.90it/s, now=None]chunk: 37%|
                                                                                                      313/839 [00:03<
                                                           00:02, 178.09it/s, now=None]chunk: 40%|
[00:03<00:02, 187.79it/s, now=None]chunk:
                                                                                                               336/839
                                                           358/839 [00:03<00:02, 193.29it/s, now=None]chunk:
                                                                 | 380/839 [00:03<00:02, 166.11it/s, now=None]chunk:
                                                                         | 401/839 [00:03<00:02, 168.48it/s, now=None]
                                                           chunk:
                                                                                 | 441/839 [00:03<00:01, 224.32it/s, n
```

ow=None]chunk: 56%|

3it/s, now=None]chunk:

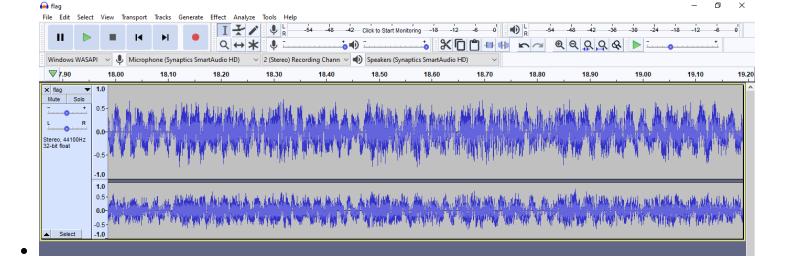
| 466/839 [00:04<00:01, 207.0

| 510/839 [00:04<00:0

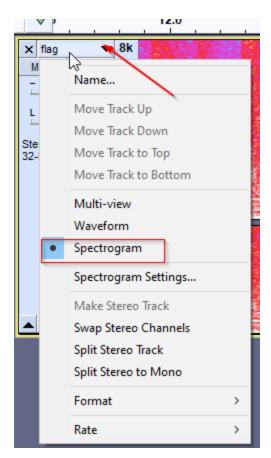
So Done, we can move further like analyzing the audio spectrogram

• tool used: audacity

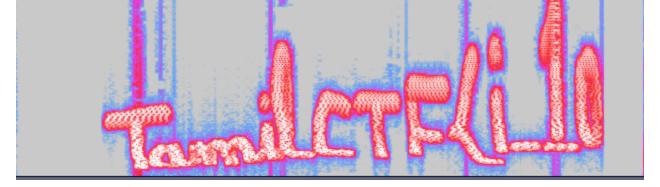
3 items



• select the spectrogram



Lets analyze



the first part of the flag!

TamilCTF{i_10



Lets scroll right →

NOTE: ADJUST THE SPECTROGRAM FOR THE VISIBLITY OF THE FLAG

v3_y0u}

Flag:TamilCTF(i_10v3_y0u)

DONE,

Finally we got the Gf's secret lol

CHALL IS EASY, IF THE WAY IS RIGHT

First Blood:

thehackerscrew

a day ago

THANK//YOU \longleftrightarrow @cyberpj