Challenge Name: Guatemala

**Dev:** Aman Narnaware

**Category:** Steganography

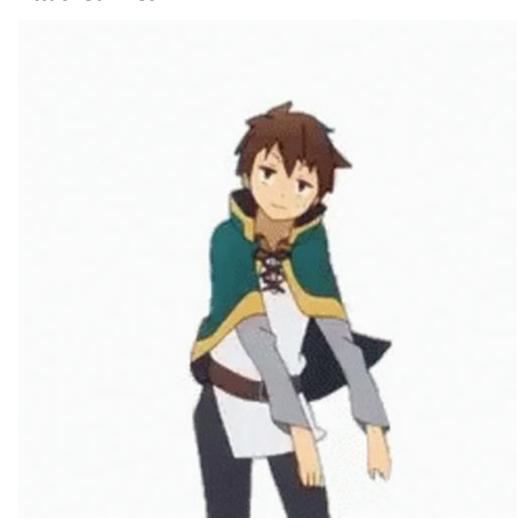
Level: Easy

Flag format: vishwaCTF{}

## **Description:**

My friend wanted to install antivirus for his computer, but the creator of antivirus was caught!

## **Attached Files:**



## Writeup:

- 1) Download the attached file.
- 2) The description talks about some antivirus and its creator. John McAfee.
- 3) The description says how he was caught. If we google about it, we can find out that his EXIF data of an image leaked his location.
- 4) We can use exiftool to search the image.
- 5) We can find a base64 string in the comment tag of the metadata.

```
-[~/Desktop]
     exiftool Kazuma.gif
ExifTool Version Number
                                     : 12.44
File Name
                                     : Kazuma.gif
Directory
File Size
                                     : 1112 kB
File Modification Date/Time : 2023:02:03 06:48:48-05:00 File Access Date/Time : 2023:02:03 07:16:32-05:00 File Inode Change Date/Time : 2023:02:03 07:16:32-05:00
File Permissions
                                     : -rw-r--rw-
File Type
                                     : GIF
File Type Extension
                                     : gif
MIME Type
                                     : image/gif
GIF Version
                                     : 89a
                                     : 498
Image Width
Image Height
                                     : 498
Has Color Map
Color Resolution Depth
Bits Per Pixel
Background Color
                                     : 0
Animation Iterations
                                     : Infinite
                                     : dmlzaHdhQ1RGe3ByMDczYzdfdXJfM1gxRn0=
Comment
Frame Count
Duration
                                      : 2.04 s
                                      : 498×498
Image Size
Megapixels
                                      : 0.248
```

6) Decode the following base64 string and you get the flag.

```
root@ 192)-[~/Desktop]
# echo "dmlzaHdhQ1RGe3ByMDczYzdfdXJfM1gxRn0=" | base64 -d
vishwaCTF{pr073c7_ur_3X1F}
```

## Flag:

vishwaCTF{pr073c7\_ur\_3X1F}