

Image Processing 101

Wednesday, March 25, 2020 10:18 AM

[20 Points] Image Processing 101 [by PaVou] [1158 solvers] 303 94 94 Difficulty:  26/09/2019 ^

First Blood: mprox

Check all the domains. Don't be a script kiddie...

[Download](#) Zip Password: `hackthebox sha256: ded44eb1447b4d4aa95368c78763a421b0d834b4d0a2d8f7ccf72192b9b0c65d`

✓ Complete

Step 1:

Download the image.



Step 2:

Tried to use Steghide, StegSolve, and Strings and found nothing of use.

Step 3:

Looked at forum posts since this was my first Stego challenge and was not sure if I was starting off correctly. There was mention of the odd looking blocks in the corners of the image. Was unable to find any tool I thought would be appropriate to investigate this.

Step 4:

There was a hint of looking steganography FFT. Began googling this but only came up with .pdf files explaining the algorithm used for this processing.

Step 5:

Reading further into the forums there was mention of not being afraid to be a script kiddie on this one. Began looking into what scripts I could run against this image, but also came across a post about someone found an online tool they used.

Step 6:

Search for "Online FFT" and found <http://bigwww.epfl.ch/demo/ip/demos/FFT/>

Step 7:

Uploading the file I was able to see the flag code when I selected "Step 1: Fourier transform (Argument) [logarithmic scale]"



Step 8:

Playing with the options scroll bar made reading the code a little easier.



