




攻防世界 Misc高手进阶区 4分题 red_green

原创

思源湖的鱼  于 2020-12-05 15:26:47 发布  1531  收藏 1

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200 篇文章 23 订阅

订阅专栏

前言

继续ctf的旅程

攻防世界Misc高手进阶区的4分题

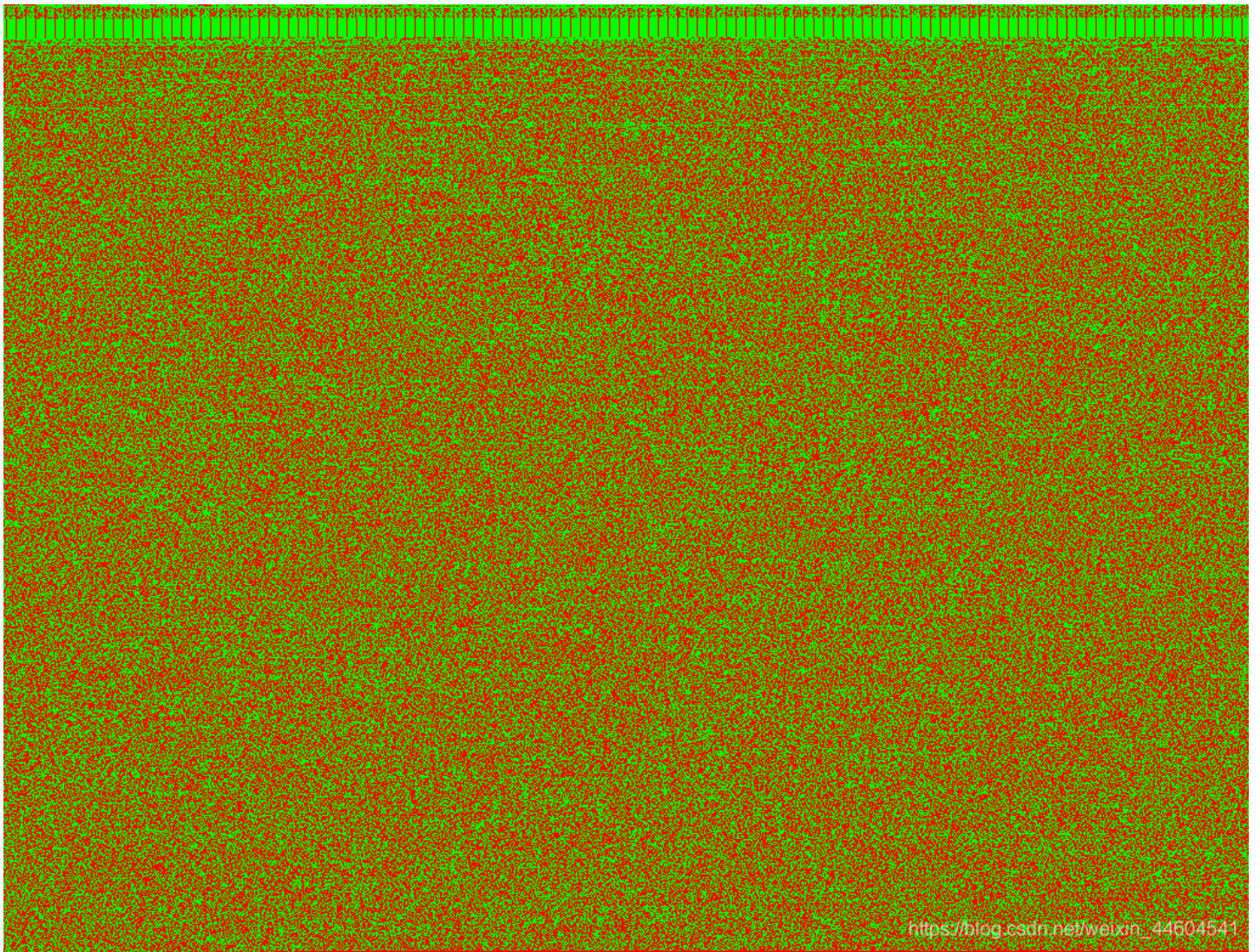
本篇是red_green的writeup

发现攻防世界的题目分数是动态的

就仅以做题时的分数为准了

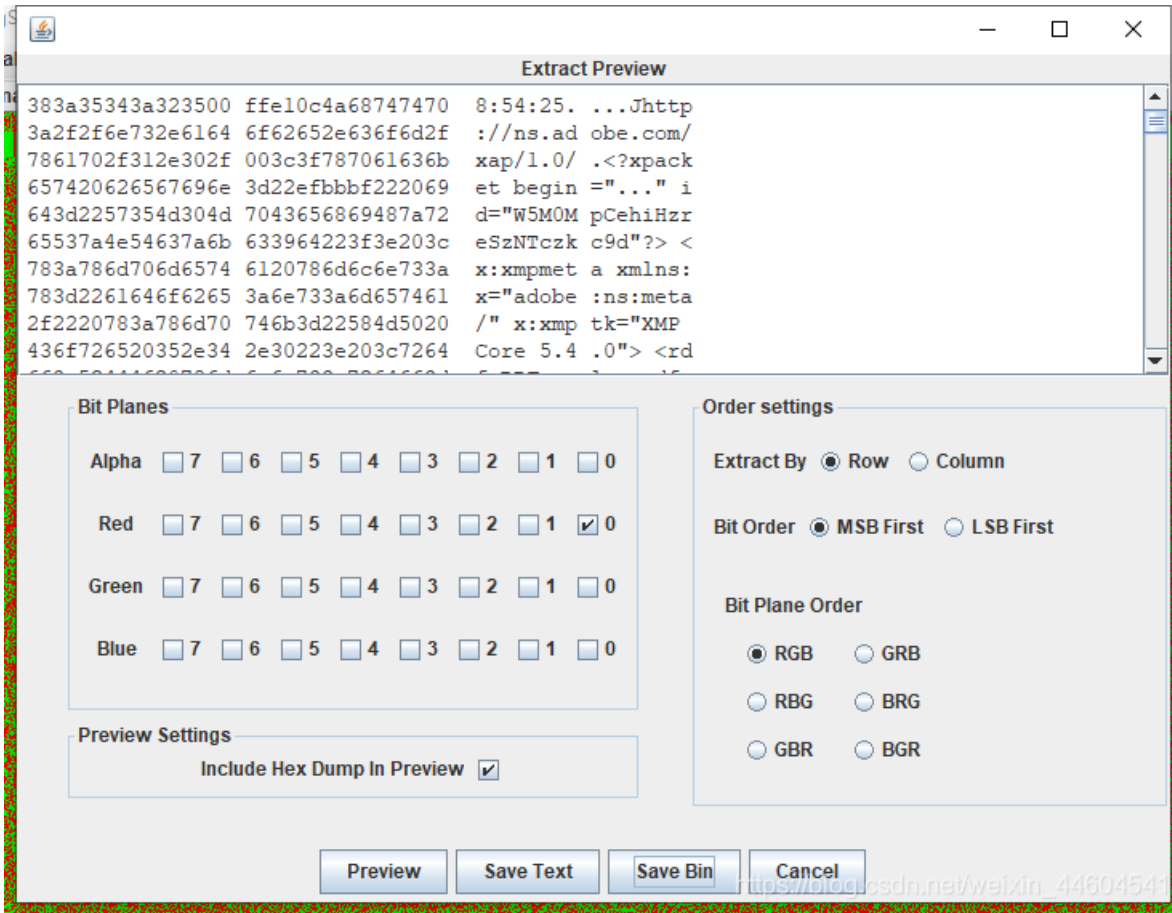
解题过程

得到一张png



https://blog.csdn.net/weixin_44604541

扔进stegsolve
调整通道
发现点东西



保存下来



得到flag

官方wp给出脚本

```

from PIL import Image
import os
import bitstring

image_name = 'flag.jpg'
current_path = os.path.dirname(__file__)
with open(os.path.join(current_path, image_name), 'rb') as f:
    bin_content = bitstring.Bits(f)
    im = Image.new("RGB", (1024, 780), (255, 0, 0))
    pim = im.load()
    for i, val in enumerate(bin_content.bin):
        if val == '0':
            pim[i%1024, i/1024] = (0, 255, 0)
    im.save(os.path.join(current_path, 'red_green.png'))

```

```

from PIL import Image
import os
import bitstring

image_name = 'red_green.png'
current_path = os.path.dirname(__file__)
im = Image.open(os.path.join(current_path, image_name))
image_width = im.size[0]
image_height = im.size[1]
# Load pixel
pim = im.load()
bin_result = ''
for row in range(image_height):
    for col in range(image_width):
        if pim[col, row][0] == 255:
            bin_result += '1'
        else:
            bin_result += '0'
with open(os.path.join(current_path, 'result.jpg'), 'wb') as f:
    f.write(bitstring.BitArray(bin=bin_result).bytes)

```

结语

没什么多的好讲