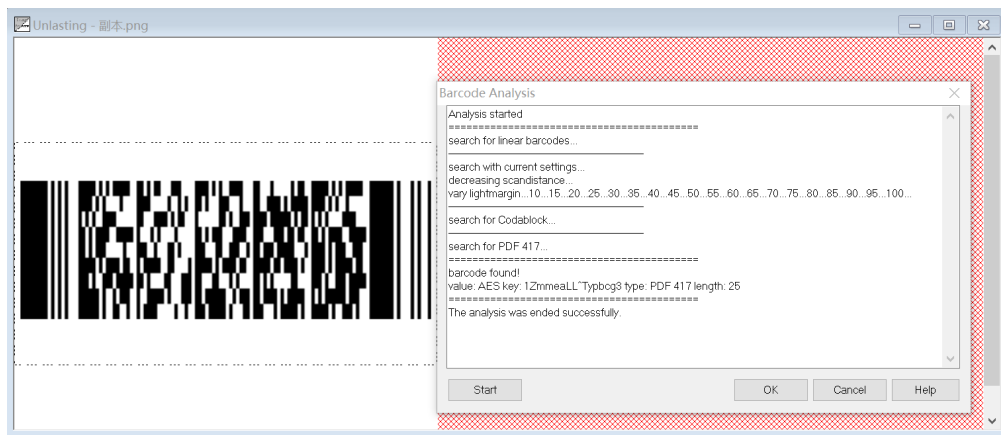


HGAME Week3 Writeup

MISC

三重隐写

使用binwalk先分析Unlasting.mp3发现存在png格式，分离得到一张条形码，用bctest扫描出AES key



再看You know LSB.wav，看到文件名可以想到是wav音频隐写，用工具silenteye可以得到stegano key，再用得到的key去用MP3stego解剩下的一个音频文件，解出来即为压缩包密码。

```
PS C:\Users\Gamison\Downloads\Compressed\MP3Stego_1_1_18\MP3Stego> .\decode -X -P uFSARLVNwVlewCY5 123.mp3
MP3StegoEncoder 1.1.17
See README file for copyright info
Input file = '123.mp3' output file = '123.mp3.pcm'
Will attempt to extract hidden information. Output: 123.mp3.txt
the bit stream file 123.mp3 is a BINARY file
HDR: s=FFF, id=1, l=1, ep=on, br=2, sf=2, pd=0, pr=1, m=1, js=1, c=1, o=0, e=1
alg.=MPEG-1, layer=I, tot bitrate=64, sfrq=32.0
mode=j-stereo, sblim=32, jsbd=8, ch=2
[Frame 0]Got 1048 bits = 32 slots plus 24
[Frame 1]Got 324424 bits = 10138 slots plus 8
[Frame 9822]Frame cannot be located
Input stream may be empty
Avg slots/frame = 422.031; b/smp = 2.93; br = 129.247 kbps
Decoding of "123.mp3" is finished
The decoded PCM output file name is "123.mp3.pcm"
PS C:\Users\Gamison\Downloads\Compressed\MP3Stego_1_1_18\MP3Stego>
```

打开压缩包后再用AES KEY和提供的软件即可得到flag