Wargames MY 2020 write-up

Category: Steganography

Challenge Name: nuisance

Introduction

In this challenge we are given a file named nuisance.arc. A very uncommon file extension indeed.

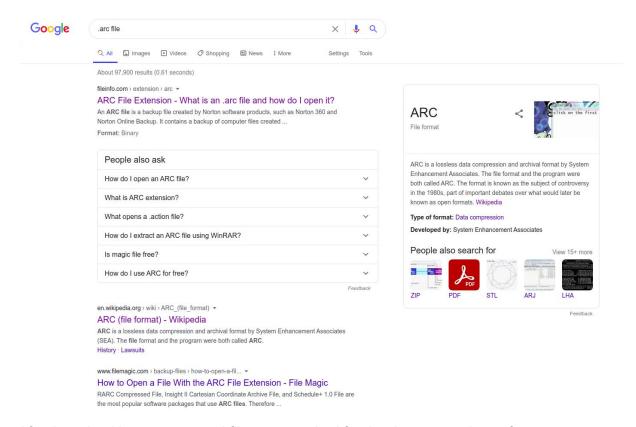
Tools used

- 1. Google (our best friend)
- 2. FreeArc
- 3. An online palm to bmp converter

Google > Decompress > Convert > Flag

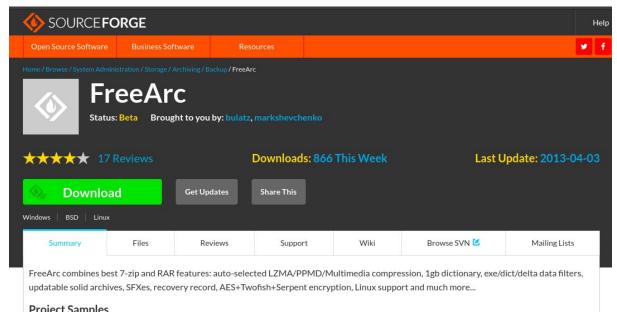
"When you don't know something, just google it". This is the first action we did, which was very useful at almost all time.

(The above statement will works on most country)



After knowing it's a compressed file, we searched for the decompressing software.

Which, to our surprise, is easily found. So we stumbled upon FreeArc, downloaded it and installed it.

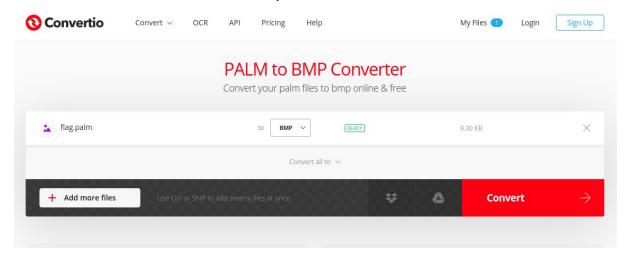


Decompress the file and we get flag.palm.

```
FreeArc 0.51 unpacker. Extracting archive: nuisance.arc Extracting flag.palm (9520 bytes)
All OK
nkzlxs@nkzlxs-Nitro-AN515-52:-/Nkzlxs_projects/ctf/wargamesz
total 24K
drwxrwxr-x 2 nkzlxs nkzlxs 4.0K Dec 6 21:13
drwxrwxr-x 10 nkzlxs nkzlxs 4.0K Dec 6 01:07
-rw-rw-r-- 1 nkzlxs nkzlxs 3.1K Dec 5 17:48 nuisance.arc
-rw----- 1 nkzlxs nkzlxs 9.3K Dec 4 19:08 flag.palm
```

Next, we googled again and we know that .palm file can be converted into image files.

Let's find an online converter and do the job for us!



And... this is the result of the .bmp file!

wgmy{c6a9f61e26a8be4d4f856ab326d729dd}