

```
# When I decompressed the file with this command :  
unzip instagram.ipa
```

```
# The first file that jumped in my eyes was this one :
```

```
inflating: Instagram_f.ipa/Payload/Instagram.app/hi.lproj/NumberFormatConfig.json  
inflating: Instagram_f.ipa/Payload/Instagram.app/hi.lproj/CurrencyFormatConfig.json  
creating: Instagram_f.ipa/Payload/Instagram.app/d/  
inflating: Instagram_f.ipa/Payload/Instagram.app/d/instructions.txt
```

```
# So I read the file. There was a base64 and this is the decoded message : Go to SC_Info and obtain the next step.
```

```
# There are 3 folders of this name :
```

SC_Info	C:\Users\zamfi\Desktop\Instagram_f.ipa\Payload\Instagram.app
SC_Info	C:\Users\zamfi\Desktop\Instagram_f.ipa\Payload\Instagram.app\Frameworks\FBSharedFramework.framework
SC_Info	C:\Users\zamfi\Desktop\Instagram_f.ipa\Payload\Instagram.app\Frameworks\InstagramAppCoreImplFrame...

```
# In the first one you will find a file named Manifest.plist. There you will find the message :  
<key> The next step is found in<key>  
<key>$2a$05$4M7egAOggmDx1ROqu8bX2.zrp9rrmF4y/tl1dOzx2GFR9.gjcEhc6<key>
```

```
# This is a bcrypt. We can crack this with the following command :  
hashcat -m 3200 -a 0 hash.txt rockyou.txt
```

```
# Short comment :
```

```
-m 0      # MD5  
-m 100    # SHA1  
-m 1400   # SHA256  
-m 1800   # SHA512  
-m 3200   # bcrypt
```

```
# This is what we got :
```

```
$2a$05$4M7egAOggmDx1ROqu8bX2.zrp9rrmF4y/tl1dOzx2GFR9.gjcEhc6:asterix
```

```
# Now, if we search asterix in our archive we get an image. Now, I uploaded this image on AperiSolve and at strings I got this BrainFuck code ( it's a programming language ) :
```

```
++++[++++>--<]>++.--.>-[-->+<]>--.--[->++++<]>-.-.----[->++<]>-.-[->+++++<]>  
.[->+<]>+++++.----[->++<]>.-.-[----->+<]>--.-----.-..[->++<]>.+.+[-->+<  
>.+++.++.-.----[->++<]>-..+[-->+<]>+++.--[->++<]>.-.+[-->+<]>++++.-..++.  
----[->++<]>-.+[-->+<]>+++.--[->++<]>.-.+++.+.+[-->+<]>+.---.[->++<]>-.-[-->+<  
<]>.+.[-->+<]>.[-->+<]>+++++.----[->++<]>-.+[-->+<]>++..--[->++<]>.[-->+<  
>++++.+++.----.-[->++<]>.[-->+<]>--.+++.---[->++<]>-.+[->+<]>+++++.----[  
->++<]>.++[-->+<]>.-.----.-[-->+<]>+.+[-->+<]>.+...----.+++++.+++.--.----  
[->+<]>-.-[-->+<]>.+++++.>--[-->+<]>
```

If we upload this on **<https://www.dcode.fr/brainfuck-language>** we will get the answer

THE FLAG :

ECSC{b6dc933311bc2357cc5fc636a4dbe41a01b7a33b583d043a7f870f3440697e27}

~Z4que