## **LinkedIn**

## Description

How about some hide and seek? Download this file here.

*Hint*: How can you view the information about the picture? If something isn't in the expected form, maybe it deserves attention?

## **Solution**

I started by downloading the provided ZIP file and extracted its contents. Inside the archive, I found an image file named ukn\_reality.jpg. After inspecting the file with the **file** command, it confirmed that it was a standard JPEG image.

Curious about any hidden information, I ran **strings** on the image, but I didn't find anything immediately useful.

```
(kali® kali)-[~/Downloads]
$ strings ukn_reality.jpg| grep pico

(kali® kali)-[~/Downloads]
```

I then used **binwalk** to look for embedded data or anomalies, but it only showed the JPEG header with no additional embedded files.

Next, I used **exiftool** to examine the image's metadata. The metadata contained an interesting Attribution URL field, which looked suspiciously like base64-encoded data.

```
s exiftool ukn_reality.jpg
ExifTool Version Number
                                 : 12.76
File Name
                                 : ukn_reality.jpg
                                 : .
: 2.3 MB
Directory
File Size
File Modification Date/Time
                                 : 2024:03:12 00:05:55+00:00
File Access Date/Time
                                 : 2024:03:12 00:05:55+00:00
File Inode Change Date/Time
                                 : 2025:01:07 09:34:21+00:00
File Permissions
                                 : -rw-r--r--
File Type
                                 : JPEG
File Type Extension
                                 : jpg
                                 : image/jpeg
MIME Type
JFIF Version
                                 : 1.01
Resolution Unit
                                 : inches
X Resolution
Y Resolution
XMP Toolkit
                                 : Image::ExifTool 11.88
                                 : cGljb0NURntNRTc0RDQ3QV9ISUREM05fNmE5ZjVhYzR9Cg=
Attribution URL
Image Width
                                 : 4308
Image Height
                                 : 2875
Encoding Process
                                 : Baseline DCT, Huffman coding
Bits Per Sample
Color Components
Y Cb Cr Sub Sampling
                                 : YCbCr4:2:0 (2 2)
Image Size
                                 : 4308×2875
Megapixels
                                 : 12.4
  -(kali⊛kali)-[~/Downloads]
```

The decoded string turned out to be the flag: picoCTF{ME74D47A\_HIDD3N\_6a9f5ac4}. This hidden information, embedded within the image's metadata, was the key to solving the challenge.

```
File Actions Edit View Help

(kali@kali)-[~/Downloads]

secho "cGljboNURntNRTcORDQ3QV9ISUREM05fNmE5ZjVhYzR9Cg=" | base64 -d

picoCTF{ME74D47A_HIDD3N_6a9f5ac4}

(kali@kali)-[~/Downloads]
```