

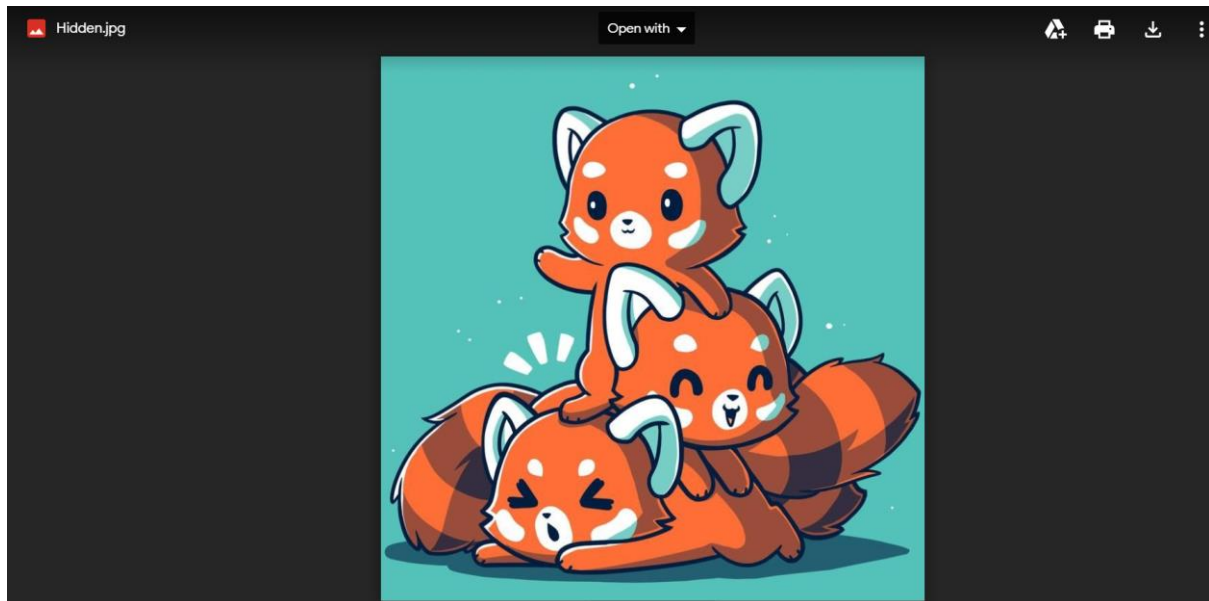
- Hidden Image – 10 points
- Blank Excel – 10 points
- Mysterious Picture – 15 points
- There are plenty of flags – 15 points
- The Answer – 15 points
- Snake – 15 points
- Don't Scan Me – 25 points
- Musically Inclined – 30 points
- Stegosaurus – 35 points

Total – 130 points

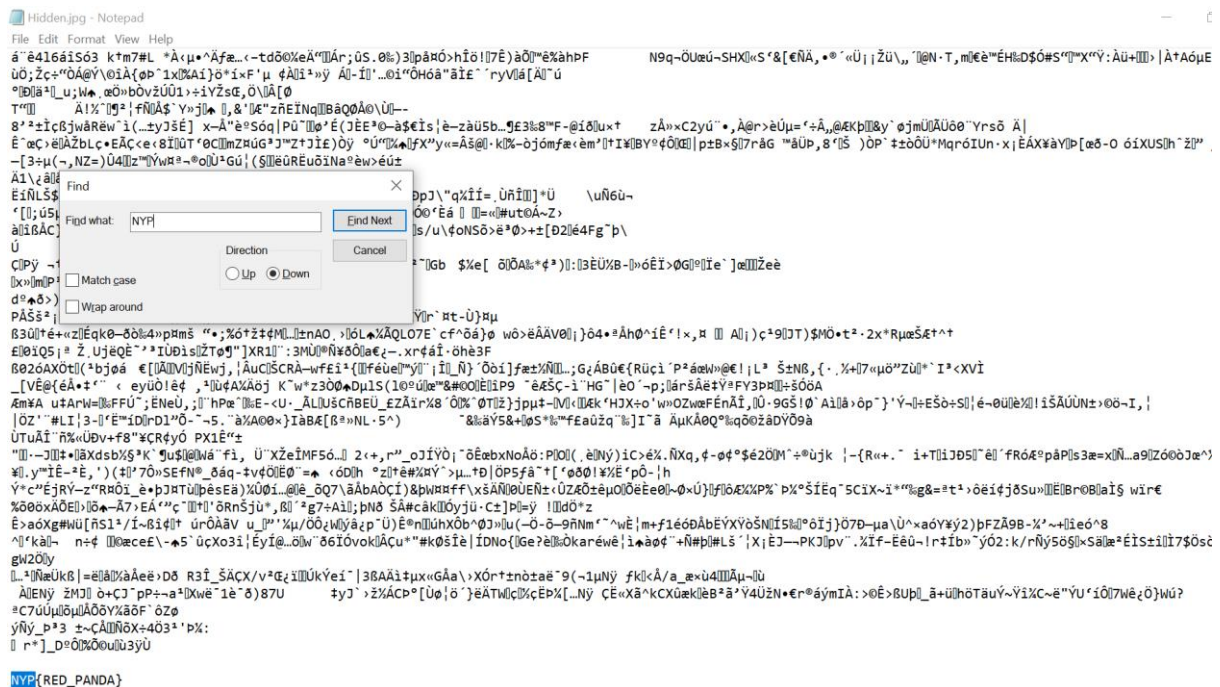
# 1) Hidden Image (10 points)

1. The challenge involves this image available at

<https://drive.google.com/file/d/1up3R9fVSBmInJAWQnIHbw68fVg4X4jyx/view>



2. Download the image file. Open the image with “Notepad” and search for the flag.

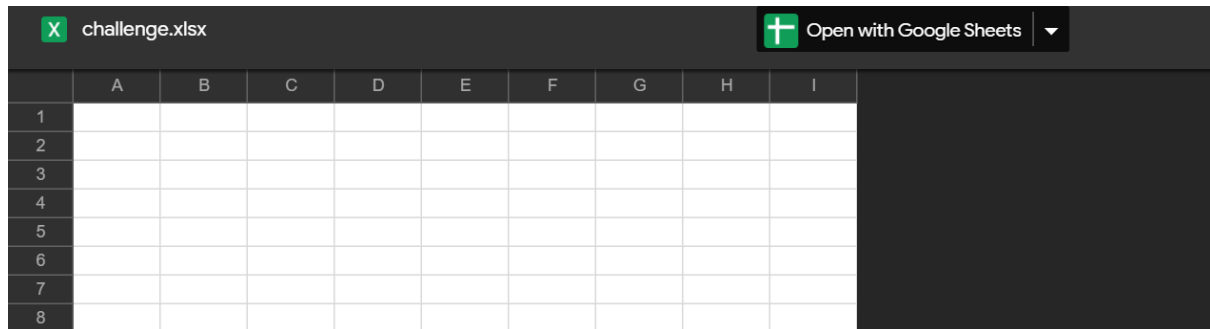


3. We got NYP{RED\_PANDA} from the image file!

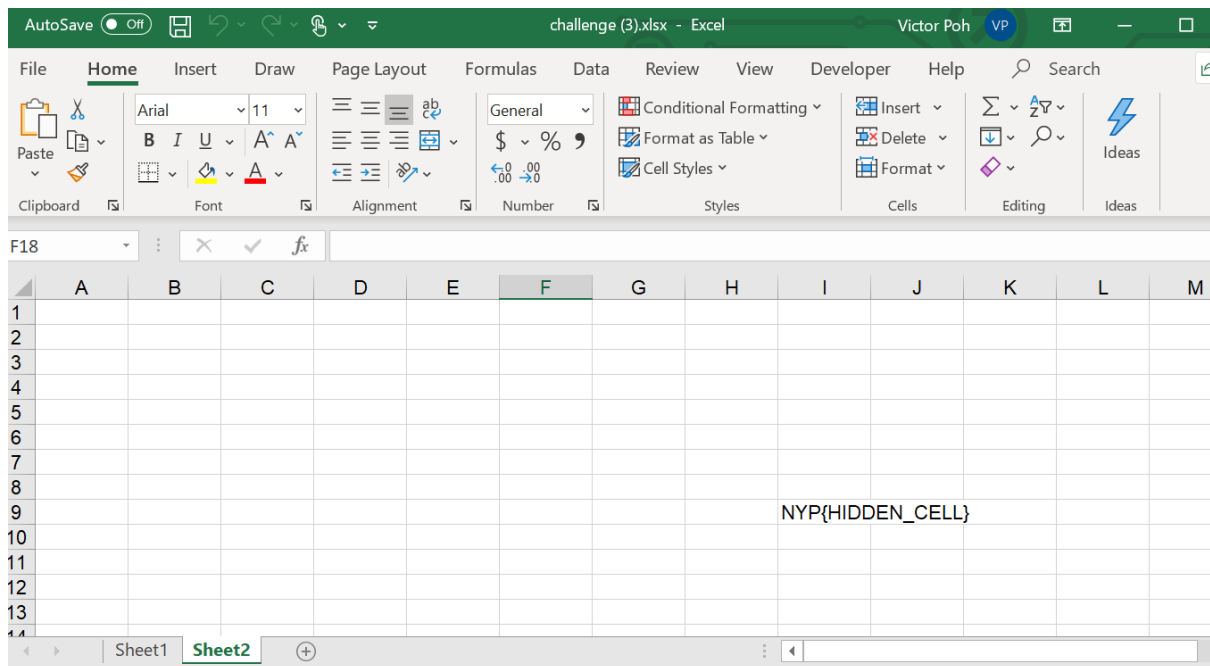
## 2) Blank Excel (10 points)

1. Download the Excel sheet from

<https://drive.google.com/file/d/1Aeu6oIwFB0s8USRAOMdUfpXxEXfZfYU4/view>



2. Right click on Sheet1 -> Unhide. Sheet2 will appear which contains the flag.



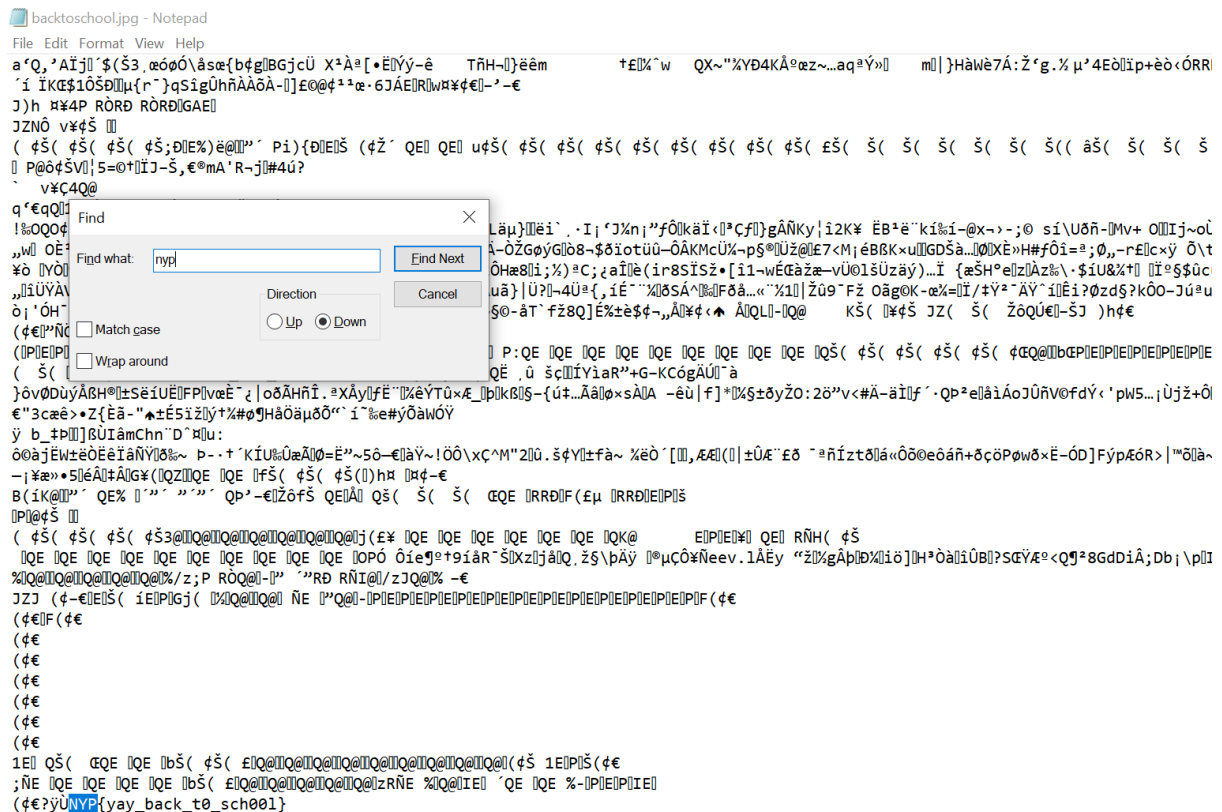
### 3) Mysterious Picture (15 points)

1. The challenge involves this image available at

[https://drive.google.com/file/d/19Q\\_VqKxDWGrhZvJwAlv4bPOld8-PP05w/view](https://drive.google.com/file/d/19Q_VqKxDWGrhZvJwAlv4bPOld8-PP05w/view)



2. Download the image file. Open the image with “Notepad” and search for the flag.

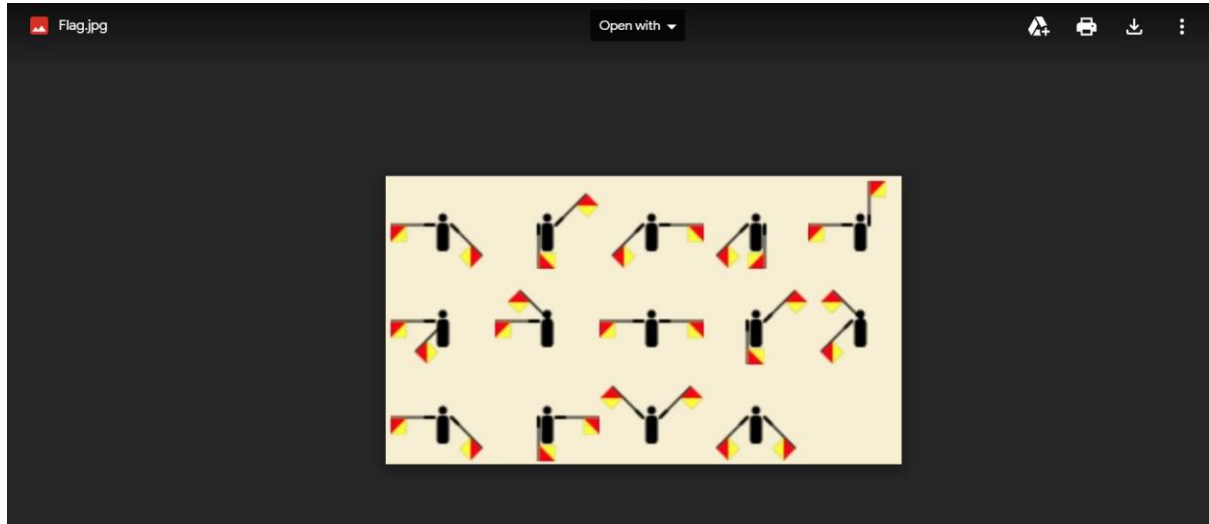


4. We got NYP{yay\_back\_to\_school} from the image file!

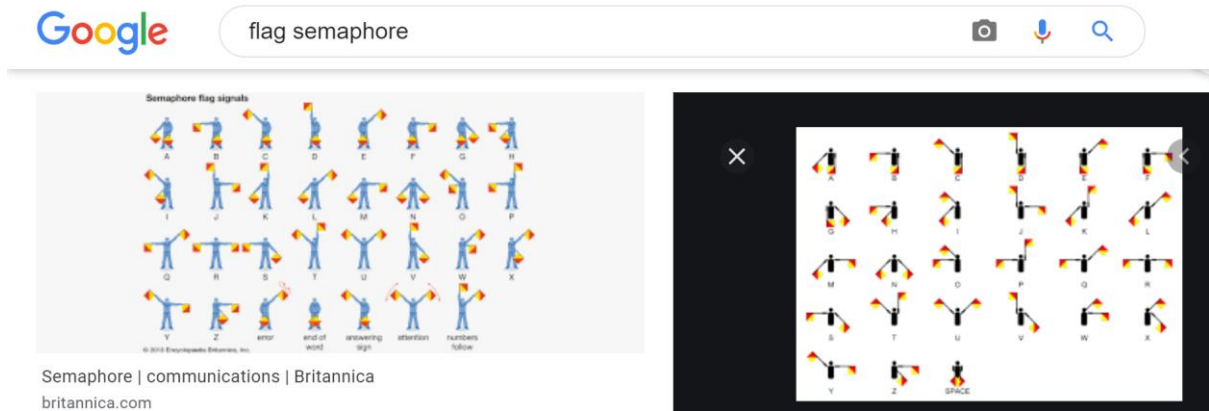
#### 4) There are plenty of flags (15 points)

1. The challenge involves this image available at

[https://drive.google.com/file/d/1i0p\\_vxQAIORvBTB\\_2jTVffwTHXLbZhjz/view](https://drive.google.com/file/d/1i0p_vxQAIORvBTB_2jTVffwTHXLbZhjz/view)

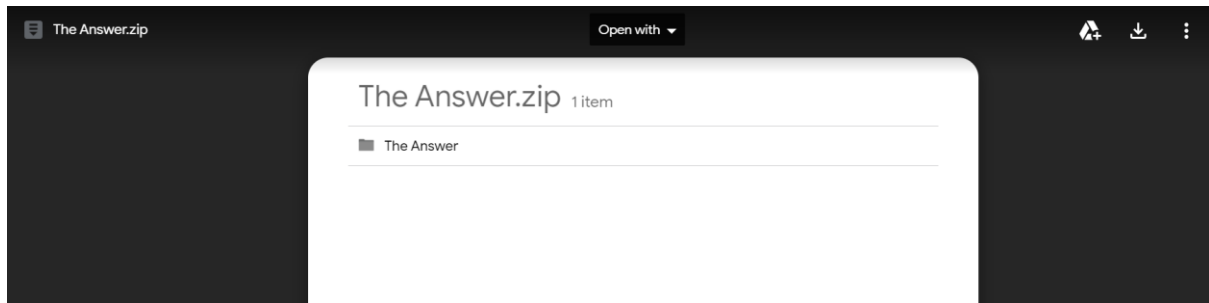


2. This image depicts a flag semaphore. A quick Google Search would give us the message of the image.



## 5) The Answer (15 points)

1. Download the file at <https://drive.google.com/file/d/1oHStdJSF2x9sBJFKGVCEljwr3gRBMflj/view>



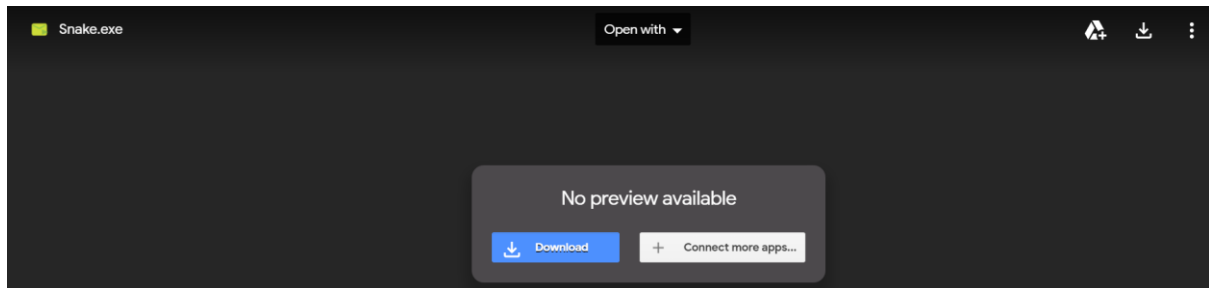
2. Extract the file and do a GREP search for the flag.

```
root@kali:~/ctf# grep -r "NYP" The\ Answer
The Answer/4/2.txt:NYP{Y0U_F0UND_THE_FLAG}
```

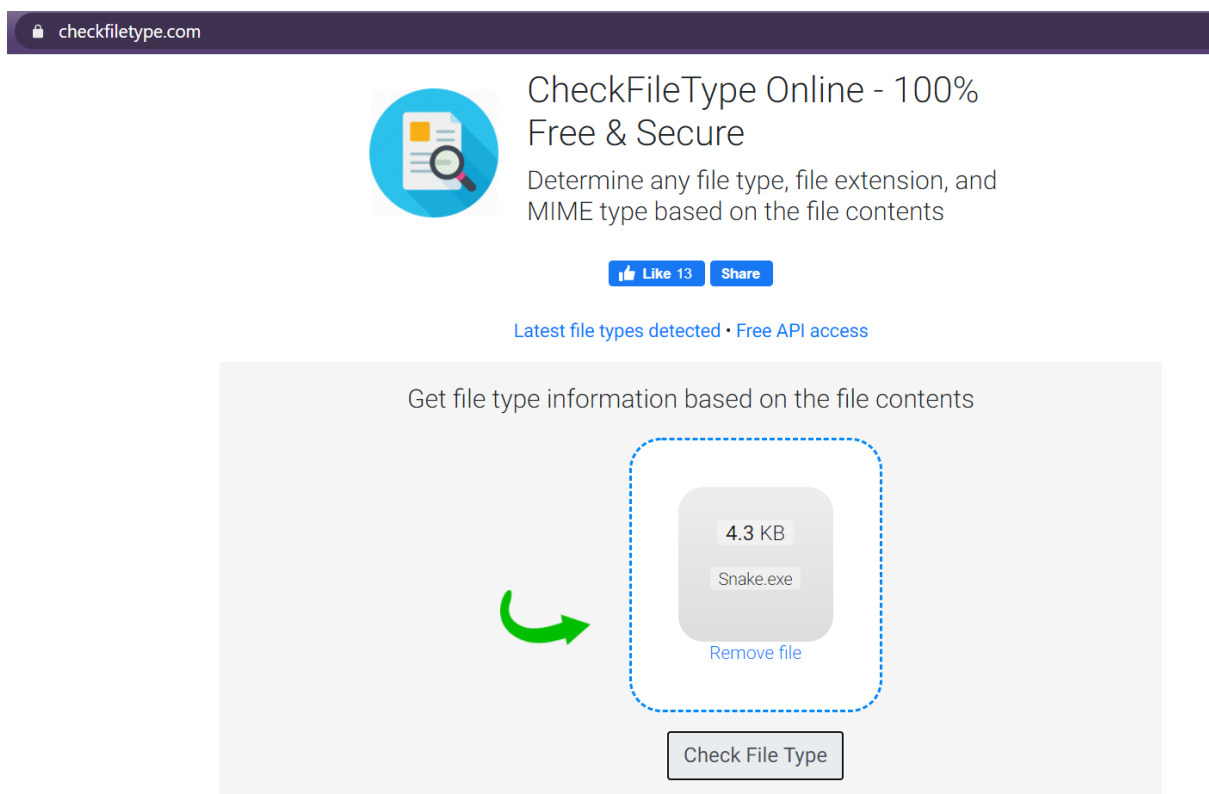
## 6) Snake (15 points)

1. Download the file at

<https://drive.google.com/file/d/1rov4uayJqcAHuy55BAx0kcWzrJ5AKQ0D/view>



2. Goto <http://checkfiletype.com> and upload the executable file.





3. File Type is an ASCII text.



CheckFileType - SUCCESS

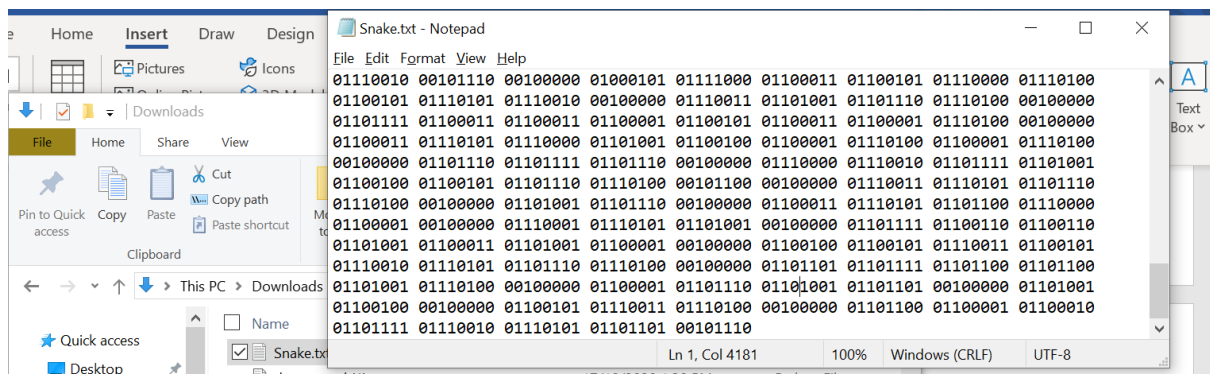
See the Latest Unit 42 Research Report on IAM Misconfigurations and How to Avoid Them.

OPEN

**File Type:** ASCII text, with very long lines, with no line terminators

How did we do?

4. Change the executable file from ".exe" to ".txt" and open the file.



5. Convert the binary to string at <https://www.rapidtables.com/convert/number/binary-to-ascii.html>. We get Base64 encoded TlIQe1BZVEhPTkltQVRZUEVPRlNOQUtFfQ==

(E.g: 01000101 01111000 01100001 01101101 01110000 01101100 01100101):

Open File

Open Binary File

Paste binary numbers or drop file:

01101001 01100011 01101001 01100001 00100000 01100100 01100101  
01110011 01100101 01110010 01110101 01101110 01110100 00100000  
01101101 01101111 01101100 01101100 01101001 01110100 00100000  
01100001 01101110 01101001 01101101 00100000 01101001 01100100  
00100000 01100101 01110011 01110100 00100000 01101100 01100001  
01100010 01101111 01110010 01110101 01101101 00101110

Character encoding (optional)

ASCII/UTF-8

Convert

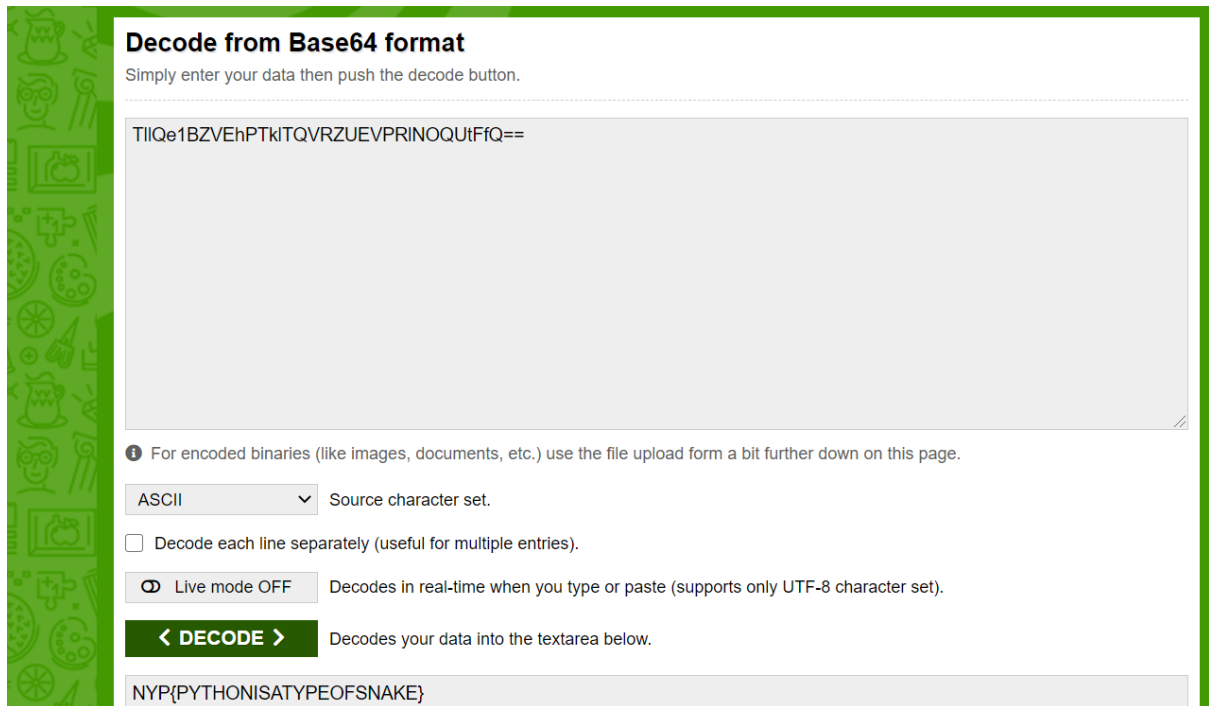
Reset

Swap

TlIQe1BZVEhPTkltQVRZUEVPRlNOQUtFfQ==  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do  
eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut  
enim ad minim veniam, quis nostrud exercitation ullamco laboris  
nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor  
in reprehenderit in voluptate velit esse cillum dolore eu



6. Goto <https://www.base64decode.org/> and decode the Base64 encoded text, and we get the flag!

The image shows a screenshot of the 'Decode from Base64 format' page on the website https://www.base64decode.org/. The page has a green sidebar with various icons. The main content area is white. At the top, it says 'Decode from Base64 format' and 'Simply enter your data then push the decode button.' Below this is a large text input field containing the Base64 encoded string 'TlIQe1BZVEhPTkiTQVRZUEVPRINOQUtFfQ=='. Below the input field, there is an information icon and a note: 'For encoded binaries (like images, documents, etc.) use the file upload form a bit further down on this page.' Below this are three settings: a dropdown menu set to 'ASCII' with the label 'Source character set.', a checkbox labeled 'Decode each line separately (useful for multiple entries)' which is unchecked, and a toggle switch labeled 'Live mode OFF' with the description 'Decodes in real-time when you type or paste (supports only UTF-8 character set)'. Below these settings is a green button with white text '< DECODE >' and the description 'Decodes your data into the textarea below.' At the bottom, there is a text output field containing the decoded string 'NYP{PYTHONISATYPEOFSNAKE}'.

**Decode from Base64 format**

Simply enter your data then push the decode button.

TlIQe1BZVEhPTkiTQVRZUEVPRINOQUtFfQ==

**i** For encoded binaries (like images, documents, etc.) use the file upload form a bit further down on this page.

ASCII Source character set.

☐ Decode each line separately (useful for multiple entries).

☒ Live mode OFF Decodes in real-time when you type or paste (supports only UTF-8 character set).

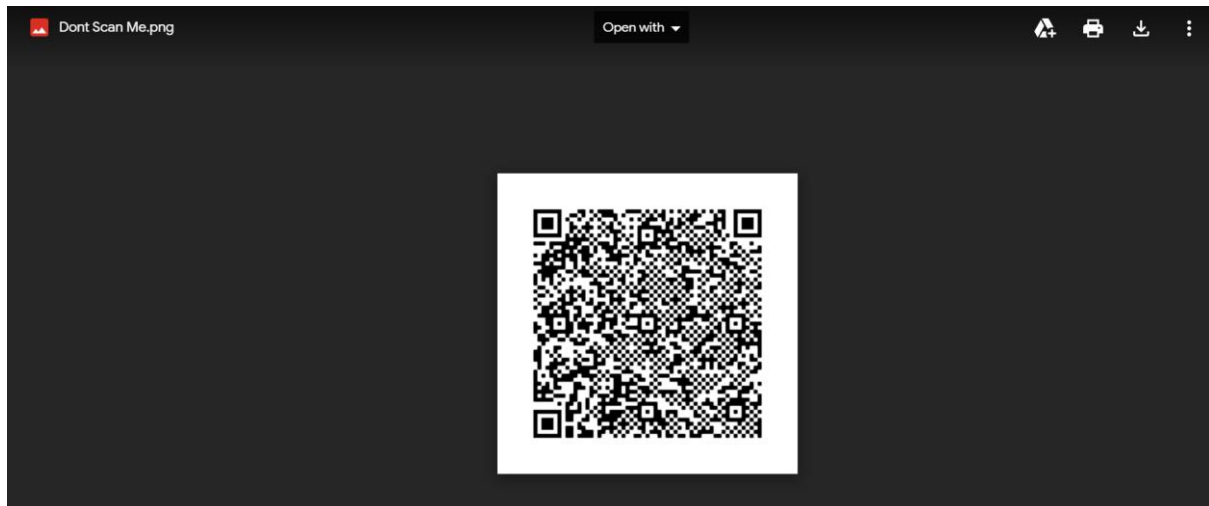
**< DECODE >** Decodes your data into the textarea below.

NYP{PYTHONISATYPEOFSNAKE}

## 7) Don't Scan Me (25 points)

1. Download the file from

<https://drive.google.com/file/d/19zeVfRaNKx83ZDXnyJHSExPGbReEZw9t/view>



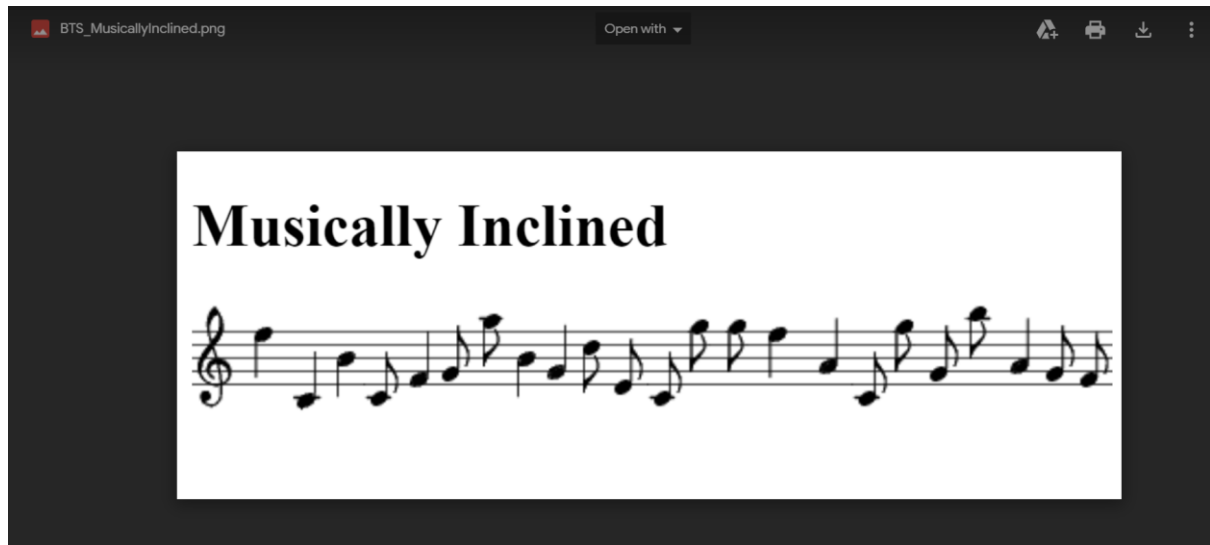
2. Scanning the QR codes leads me to nowhere.
3. Goto <https://www.metadata2go.com/> and upload the file, and we get the flag.

File Name	Dont Scan Me (1).png
File Size	15 kB
File Type	PNG
File Type Extension	png
Mime Type	image/png
Image Width	300
Image Height	300
Bit Depth	8
Color Type	RGB with Alpha
Compression	Deflate/Inflate
Filter	Adaptive
Interlace	Noninterlaced
Exif Byte Order	Little-endian (Intel, II)
Image Description	NYP{EXIF_DATA}

## 8) Musically Inclined (30 points)

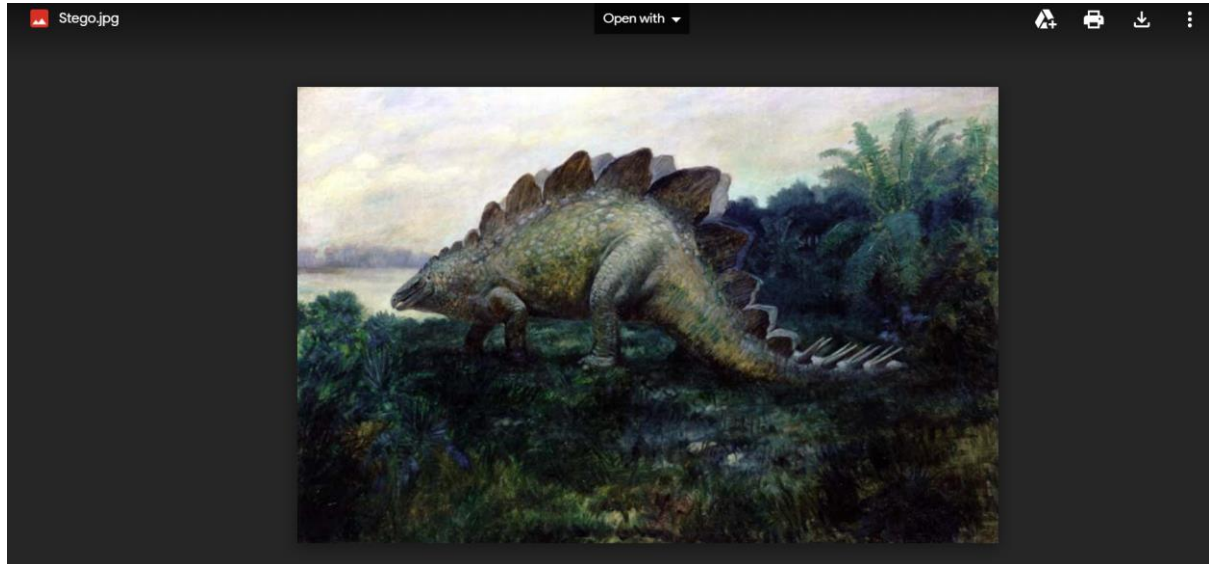
1. Challenge information at

[https://drive.google.com/file/d/1G9IsbIKN7L6BplwboWc3kvg\\_DfwacY8s/view](https://drive.google.com/file/d/1G9IsbIKN7L6BplwboWc3kvg_DfwacY8s/view)



## 9) Stegosaurus (35 points)

1. Download the file from <https://drive.google.com/file/d/1WAFK1NsQVcDeFzKnDt-LgmtKmFiQOhdu/view>



2. Upon opening the file with Notepad and checking the file's metadata, I was led to nowhere.
3. Notice the statement "Zoe eats 3 crabstick And Chicken". Taking the first letter of each word, we get "Ze3cAC"

Challenge



# Stegosaurus

## 35

Moderate

Something seems weird about the hide of the stegosaurus

Zoe eats 3 crabstick And Chicken

4. Goto <https://futureboy.us/stegano/decinput.html>. Upload the file and enter the password.

**Steganographic Decoder**

This form decodes the payload that was hidden in a JPEG image or a WAV or AU audio file using the [encoder form](#). When you submit, you will be asked to save the resulting payload file to disk. This form may also help you guess at what the payload is and its file type...

Select a JPEG, WAV, or AU file to decode:

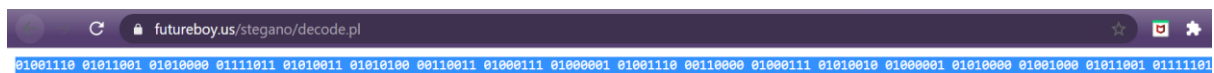
Choose File | Stego (2).jpg

Password (may be blank):  
Ze3cAC

☒ View raw output as MIME-type   
☐ Guess the payload  
☐ Prompt to save (you must guess the file type yourself.)

Submit

5. We got a binary string!



6. Convert the binary to text at <https://www.rapidtables.com/convert/number/binary-to-ascii.html> and we get the flag!

(E.g: 01000101 01111000 01100001 01101101 01110000 01101100 01100101):

Open File | Open Binary File | 🔍

Paste binary numbers or drop file:

```
01001110 01011001 01010000 01111011 01010011 01010100 00110011
01000111 01000001 01001110 00110000 01000111 01010010 01000001
01010000 01001000 01011001 01111101
```

Character encoding (optional)

ASCII/UTF-8

↻ Convert | ✕ Reset | ↕ Swap

NYP{ST3GAN0GRAPHY}