

CHALLENGE NAME: [The Encrypted Canvas]

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CATEGORY: [Digital

Forensics]

LEVEL: [MEDIUM]















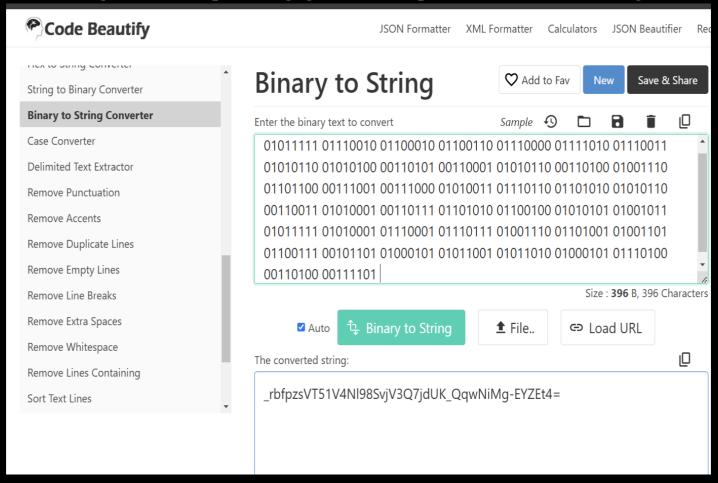


CHALLENGE NAME: [THE ENCRYPTED CANVAS]

Challenge Description:

A mysterious artist has concealed their masterpiece, leaving behind an encrypted file. The key to unlocking it is hidden in plain sight, waiting to be discovered. Can you unveil the hidden masterpiece and extract the flag? **Solution:**

Converting the binary string given in keysecret file to string.



Decrypting the given encrypted file using fernet to get the gif











```
key = b'_rbfpzsVT51V4Nl98SvjV3Q7jdUK_QqwNiMg-EYZEt4='
cipher = Fernet(key)
from google.colab import files
uploaded = files.upload()

encrypted_file_name = list(uploaded.keys())[0]
with open(encrypted_file_name, "rb") as encrypted_file:
    encrypted_data = encrypted_file.read()

decrypted_data = cipher.decrypt[encrypted_data])
decrypted_file_name = "decrypted_file.gif"
with open(decrypted_file_name, "wb") as decrypted_file:
    decrypted_file.write(decrypted_data)

print(f"Decrypted_file_saved_as: {decrypted_file_name}")
```

Download the gif

```
[ ] files.download(decrypted_file_name)
```

The GIF must be split (e.g. using https://ezgif.com/split) and then each frame must be merged in the same final image, ignoring white background.

VISHWACT F(F1GH7SA6K)

Flag: VishwaCtf{F1GHTBA6K}