

Name : Challenge 4

Domain : Steganography

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Description :

Steganography is the technique of hiding secret data within images in order to avoid detection; the secret data is then extracted at its destination. Most of the time, it needs a key to decode

Files Given: Image : secret_img_2-encoded.png

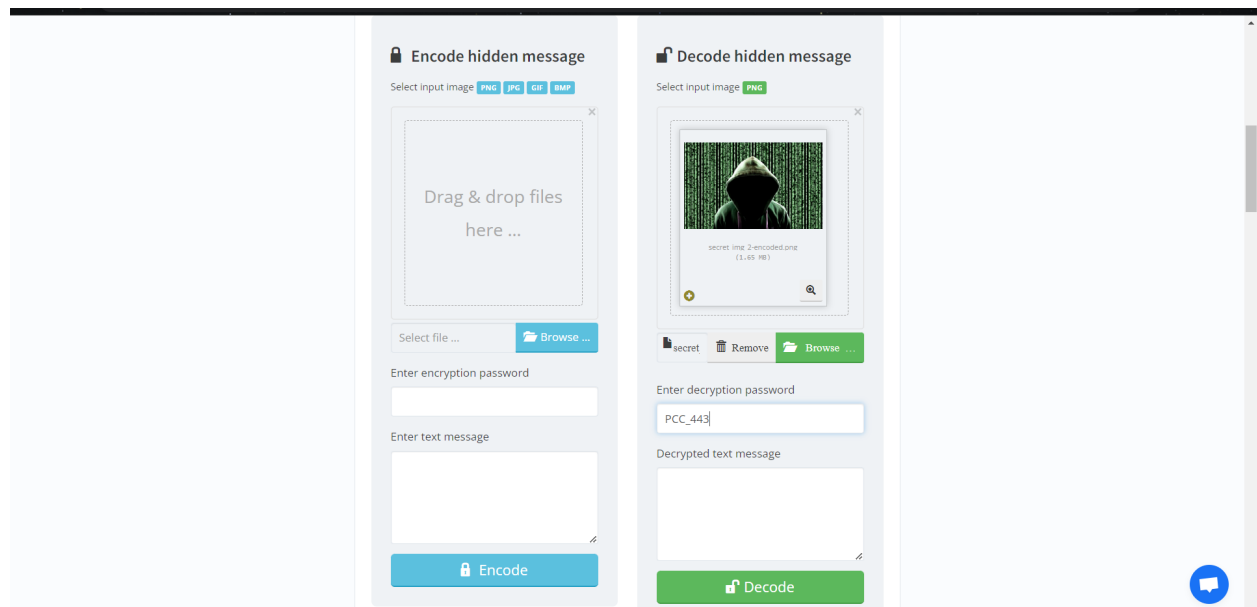
Website : [http:// world wide web .pe](http://worldwideweb.pe) or

<https://www.pelock.com/products/steganography-online-codec>

Riddle : In the realm of secure browsing, I thrive, Data travels through me to stay alive. With HTTPS, I guard the gate, Encrypting connections, keeping them safe.

Writeup:

Answer to the riddle is: Port no. : **443**. Download the image and upload the image on the given website. Enter the decryption password as PCC_portno.



Click on decode

The screenshot shows a web application with two main panels: 'Encode hidden message' and 'Decode hidden message'. The 'Decode hidden message' panel is active, showing a file upload area with a 'Browse ...' button, a password field containing 'PCC_443', and a text message field. The 'Decoded text message' field displays the flag: PCC{T@\$k_3_\$teg@%0gRaP#y}. A blue chat bubble icon is visible in the bottom right corner.

Decrypted text Message is the required Flag.

Flag is :PCC{T@\$k_3_\$teg@%0gRaP#y}