Category:

Forensics

Name:

LINE to PLAIN

Message:

Find the flag from the file.

Objective:

Extract message hidden in the line2plain_o65537.png

Instructions:

o65537 provides number of pixels to be offset (does not have to do this but makes it easier to solve).

When LSB is extracted and decoded as ASCII text you would see message bracketed by "<LINE>" and "<PLAIN>". Converting the bracketed message to binary value gives you following.

1111111011001010001111111100000100001100010100001101110101110001100101110110111010111001000010111011011101000111000001011101100000101010100110100000111111110101010101011111110000000011101101100000000010101111010010111101101011101000101110001100000111111011100111101110011111001010010010101010111011100101100111001011110001000001100100110101111011111001001001001100001000101011001000010110110010001110111010101011001111111100000000011011111100011101111111101101010011101011111100000010110111001000101101011101000000010111110011101110101101111001011010010111010011110111001111011000001011001001100010000111111100011001110111101100000000

As the name of file says line to plain, make the value into a matrix.

The length of value is 632 which also is 25*25+7, where the last 7 bits obviously are paddings.

QR code can be generated by the matrix and flag can be obtained by reading it.