

# विश्ववाCTF

CHALLENGE NAME: [WE\_ARE\_VALORANT]

DEV: [ABHINAV]

CATEGORY: [STEGNOGRAPHY]

LEVEL:



2024

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CHALLENGE NAME: [WE\_ARE\_VALORANT]

## **CHALLENGE DESCRIPTION:**

One day, while playing Valorant, I received a mail from Riot Games that read,

“In a world full of light, sometimes the shadows help you win.”

“Your Signature move also helps you a lot ; develop one and ace it now.”

It also had an image and a video/gif attached to it. I am not able to understand what they want to say. Help me find what the message wants to express.

## Solution:

"Your Signature move also helps you a lot ; develop one and ace it now."

Here Signature was a hint to check the Signature of the given jpg

here the signature must be "FF D8 FF E0"

but has been changed to "FF F8 D0 E0"

00000000	FF F8 D0 E0	00 10 4A 46
00000034	05 06 06 06	05 06 06 06
00000068	0A 07 06 07	0A 0A 0A 0A
0000009C	0A 0A FF C0	00 11 08 08
000000D0	0A 0B FF C4	00 B5 10 00

You can change the signature of the file using the hexedit command on your linux machine or else use some online tools for it.

After that you will be able to access the image, as soon as you retrieved the image the next step is to extract the text document from it using steghide or any online tool it will ask for a pass phase which has been given in the video/gif given along.

You have to watch that video/gif very carefully frame by frame at a frame in that video there's some text visible on it : **Tenz**



So the passphrase for the file is Tenz after entering that you will get your flag in a plain text format.

Flag:

VishwaCTF{you\_are\_invited\_to\_the\_biggest\_valorant\_event}

