

# PragyanCTF Ste - Star Wars (100 point)

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Date: Mar 2017

Challenge:

"Don't search blindly. Look carefully and you will find what you are looking for."

"Hint! This challenge is specially made for blind persons :P"

Provided image:



Solve:

As always, to start this challenge I run file and strings on the image. File confirms that the image is a JPEG. The strings output is a little more interesting; I see the following string:

**1001101010101010101110101001101010101110101010011110**

After spending some time trying to decode this string, the hint "made for blind persons" led me to try and find a binary to morse code converter because morse code is an audible communication method with a binary alphabet of dots and dashes. This did not work. My next try was looking for a binary to braille converter. Using the converter found here <http://tyleregeto.com/article/braille-6bit-binary-language>, I was able to convert the string into

“doordonot”. The theme of this challenge is Star Wars so this found string seems to be on the right track because “do or do not” is a quote from Yoda, but this was not the flag. Knowing that this was a steganography challenge, I kept searching for information hidden in the image. I came across this online steganography decoder: <https://futureboy.us/stegano/decinput.html>, which, when supplied with “doordonot” as the password, decoded our image into:

**YmVjb21lYWplZGltYXN0ZXJ5b3V3aWxs**

This string looks like base64 encoding. So using python interactive mode, I ran the following: >>> "YmVjb21lYWplZGltYXN0ZXJ5b3V3aWxs".decode('base-64') This resulted in the output “becomeajedimasteryouwill”. Put this in the flag format and I got the flag!

**pragyanctf{becomeajedimasteryouwill}**