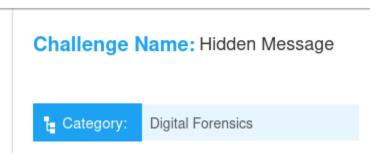
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CYBER TALENTS



Challenge Description

A cyber-Criminal is hiding information in the below file. capture the flag? submit Flag in MD5 Format

Solution

I started by using the wget command line tool to download an image from a specified URL. After the download, I wanted to confirm that the file was indeed saved. I used the ls command to list the files in my current directory, and the output showed that h_m.jpg was present on my Desktop.

```
kali@kali:-/Desktop

File Actions Edit View Help

(kali@kali)-[-/Desktop]

$ wget https://hubchallenges.s3.eu-west-1.amazonaws.com/h_m.jpg
-2025-02-21 12:34:42— https://hubchallenges.s3.eu-west-1.amazonaws.com/h m.jpg
Resolving hubchallenges.s3.eu-west-1.amazonaws.com (hubchallenges.s3.eu-west-1.amazonaws.com) ... 3.5.72.134

connecting to hubchallenges.s3.eu-west-1.amazonaws.com (hubchallenges.s3.eu-west-1.amazonaws.com)]3.5.72.134|:443 ... connected.

HTTP request sent, awaiting response ... 200 OK
Length: 63516 (62K) [Image/jpeg]
Saving to: 'h_m.jpg'

h_m.jpg

100%[

(kali@kali)-[-/Desktop]

$ 15
h_m.jpg

(kali@kali)-[-/Desktop]
```

To understand more about the downloaded file, I ran the file command on h_m.jpg. This revealed that the file was a JPEG image, providing additional details such as its resolution and Exif data.

I then attempted to search for any potential flags within the image file. I used the strings

command combined with grep to look for the term "flag," but unfortunately, this search did not yield any results.

Next, I decided to extract the metadata from the image using exiftool. The output provided various details about the file, including its size, modification date, and a user comment whose value appeared to be a hash "bla1f2855d2428930e0c9c4ce10500d5". I was curious and i had to confirm what the comment was.

```
| Claim | State | Color | State | Stat
```

Finally, I used the hash-identifier tool to analyze the comment value. The tool identified the comment as an MD5 hash and that was the expected flag.