Hello everyone! I hope you are doing well. Thank you for checking this out.

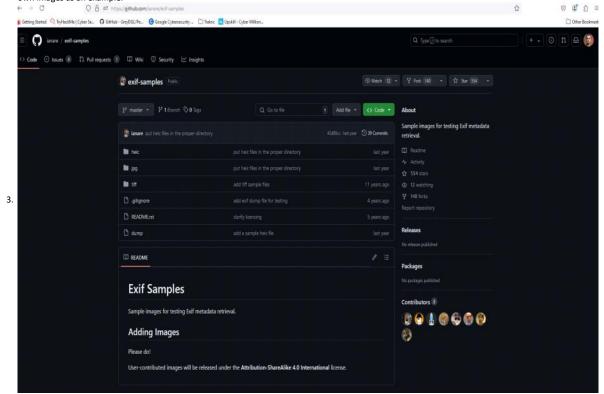
I just wanted to give a little step by step instruction on how to utilize the Exiftool in Kali Linux. If you are not familiar with Exiftool, it comes with your Kali Linux VM or physical machine with the Kali Linux OS.

It is a tool that is used to gather metadata information. The types of files you can gather metadata from include image files (jpeg, PNG, BMP etc.), audio files (mp3, WAV, WMA etc.), video files (MP4, MOV, WebM etc.), document files (PDF, DOC/DOCX, XLS/XLSX etc.) and archive files (ZIP, RAR and 7z). You can also gather metadata from XMP sidecar files and ICC profiles.

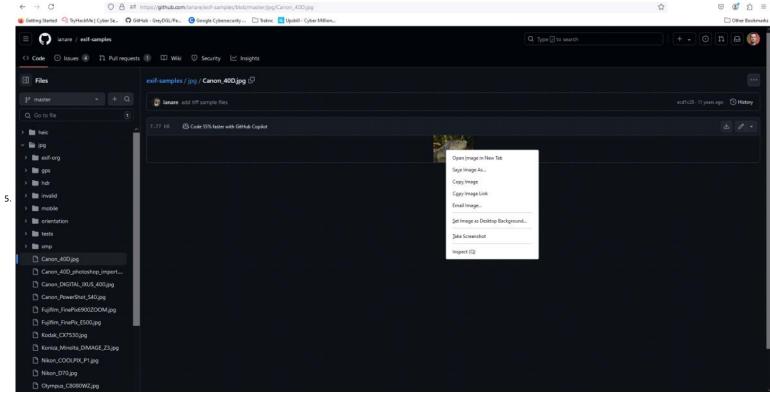
This tool is mainly used for forensic purposes. It can verify file authenticity, be used for geolocation purposes, give you camera details such as the make and model and provide the author and editing history. Exiftool is a great resource to utilize in your investigations as it will reveal a lot about a specific file and can help you track down a threat actor.

I will be now showing you some screen shots on how to use Exiftool. I used a sample image from GitHub that was allowed to be used for practice. I did not use anyone's personal files for this demonstration as a disclaimer. Also DO NOT save any type of file to your physical machine that could potentially contain malicious materials. If you are uncertain about this, conduct further investigation into the file by utilizing other means such as VirusTotal and other resources. This is the link <a href="https://github.com/ianare/exif-samples">https://github.com/ianare/exif-samples</a>

- First you will want to open your Kali Linux VM or boot up your machine if it isn't already.
- Once you are at the main screen of your machine, head on over to the link I provided above or use one of your own images as an example.



4. Choose and image and save it to your machine.



6. Next, you will want to open your command prompt. Then you want to use the Is command to see your directories



8. Navigate to your Downloads directory or the directory to where you saved the image. By default, the image should have been saved to Downloads. For this demo, the command to change directories into the Downloads folder is cd Downloads and press ENTER



- 10. You should see this in your command prompt if you have successfully navigated to your Downloads directory

- 12. If you want to verify that the jpeg file you're looking for is in that directory, simply type the **Is** command and press enter. For this demo, I saved the sample image named Canon\_40D.jpeg and you can see it listed with another example photo of my own in this directory.
- Canon\_400.jpg example.jpg

  13. [(jsmall@kali)-[~/Downloads]
- To execute the power of Exiftool on the desired file, simply use the command line exiftool Canon\_40D.jpeg and press ENTER



16. You will then see a similar screen to this one and it will have populated all kinds of metadata about this particular jpeg file.



 If you wanted to see what the camera make and model that was used to take this picture, simply scroll through and you will find it

MIME Type : image/)peg | JFIF Version : 1.01 |
Exif Byte Order : Little-endian (Intel, II) |
Dake : Canon : Ca

20. You can even find things such as the image size and date and time it was taken. You can even see that at a later date and time, the image was altered from its original state under Modify Date.

Again, this was meant to be a short demo on how to use Exiftool. There is so much more you can do and use Exiftool for in your investigations. I can make more tutorials if you would like later using different types of files. I hope this brief tutorial has helped you learn something you did not know. Stay safe and have fun playing around with Exiftool!