

Part 1

1. Does Facebook scrub picture files uploaded to them?
2. For this experiment, I have done research on both exiftool and bvi. Bvi displays the binary values of the data in one column, the hexadecimal data in the center column, then attempts to use ASCII as an interpretation of this data. Bvi is handier for mp3 files. Exiftool, which will be used for this experiment, displays the metadata in two columns. The first column contains the type of data being interpreted and the second column provides the values. I will be using the exiftool because it presents metadata for images with an easier interface than bvi.
3. Facebook will scrub the gps location but not what type of camera was used.
4. Step 1: Find a picture in my iPhone 6+ picture gallery.
Step 2: Email myself the picture of my choosing.
Step 3: Download the picture onto my desktop and change the name to before.JPG.
Step 4: Log into CyberDuck and save the picture to the public_html/images folder.
Step 5: Log into PuTTY.
Step 6: Type in `cd public_html/images`.
Step 7: Type in `exiftool before.JPG`.
Step 8: Look for GPS altitude, latitude, longitude, and position. After verifying the information was stored, look for the make and camera model number, then the lens make and lens model. Once all of those are verified by having data stored about them, move to next step.
Step 9: Log onto my Facebook page and upload the image to the profile picture.
Step 10: View my profile on Facebook and click on the profile picture to enlarge it.
Step 11: Right click the picture and save the image as `after.jpg` onto my desktop.

Step 12: Copy the picture into CyberDuck in the public_html/images folder.

Step 13: Log into PuTTY.

Step 14: Type cd public_html/images.

Step 15: Type exiftool after.jpg.

Step 16: Look for GPS altitude, latitude, longitude, and position. After, look for make and camera model number, then the lens make and lens model. Record results.

5. Conclusion and Analysis:

Facebook scrubs all of the GPS information and also scrubs the camera information recorded above. The only camera information kept was the manufacturing company, but not the specific details I was searching for. Therefore, Facebook does in fact scrub the metadata in pictures uploaded to their site.