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ISC 110

Part 2:

Q1. Using exiftool vs bvi: Can you use exiftool on an mp3 file? Can these tools be used on other files, such as Word documents? PDF files? Does this seem useful?

A1. Exiftool does not support the editing of mp3 files. Word documents, such as .doc and .docx are not accessible using exiftool. However, exiftool does allow you to edit PDF files. Binary Visual Editor supports .mp3 files but does not support PDF unlike the exiftool.

Q2. Why would someone use EXIF?

A2. Someone could use EXIF to change the metadata in images, audio and video files so that the information from that person, such as GPS, their name, or other information cannot be obtained by other people..

Q3. What can be done with EXIF tagged images that is much more difficult or impossible without it?

A3. With EXIF tagged images, you can read, edit, and add metadata to that particular image. If an image is tagged with EXIF data, you can have access to someone's GPS information from where the picture was taken, the size of the file, the device the picture was taken from, such as a phone or digital camera, or even if the flash was on or off, and more.

Q4. Does EXIF raise any privacy concerns? If so what can you do about it?

A4. Yes, EXIF data does raise some security questions as to what information about a person get out into the world. Metadata is something that many people do not know anything about. This is dangerous because if you have your GPS location on, then your photos can be tagged with your GPS coordinates. This is extremely dangerous because if that picture gets uploaded to a social media website, that does not remove EXIF data, then your information is on the web for people to find. This can allow someone to track you down using your GPS from a picture you took in your house, at a restaurant, or anywhere. People need to become more aware about these issues because these issues do not have to occur. You can remove the EXIF data from a picture using an exiftool or by entering the properties of the picture, going to details, and clicking the “Remove properties and personal information” line under the list of details. This setting is for windows computers.

Q5. How might iTunes can keep track of how many times you've shared an mp3 file?

A5. iTunes can keep track of how many times a user has shared an mp3 file by looking at the metadata. Every song has a limit of the number of times a person can share a song to their friends or family. If they attempt to share the song more than the limit allows, iTunes will not permit the user to share the song anymore.

Q6. Amazon lets you store mp3 files. You are not charged for files you have purchased from them. How might they know this information?

A6. Amazon probably gathers this information by looking at the metadata from the mp3 file. Another possibility is that Amazon keeps track of the songs you have previously purchased.