Build a Secure Cyberspace 2023 –

"Protect Your Online Identity" Seminar

在分享前刪除元數據的理由及方法
Why and how to remove meta data before sharing?

Antony Ma

Exco WTIA, CTO Hoplite Tech

22 Sept 2023

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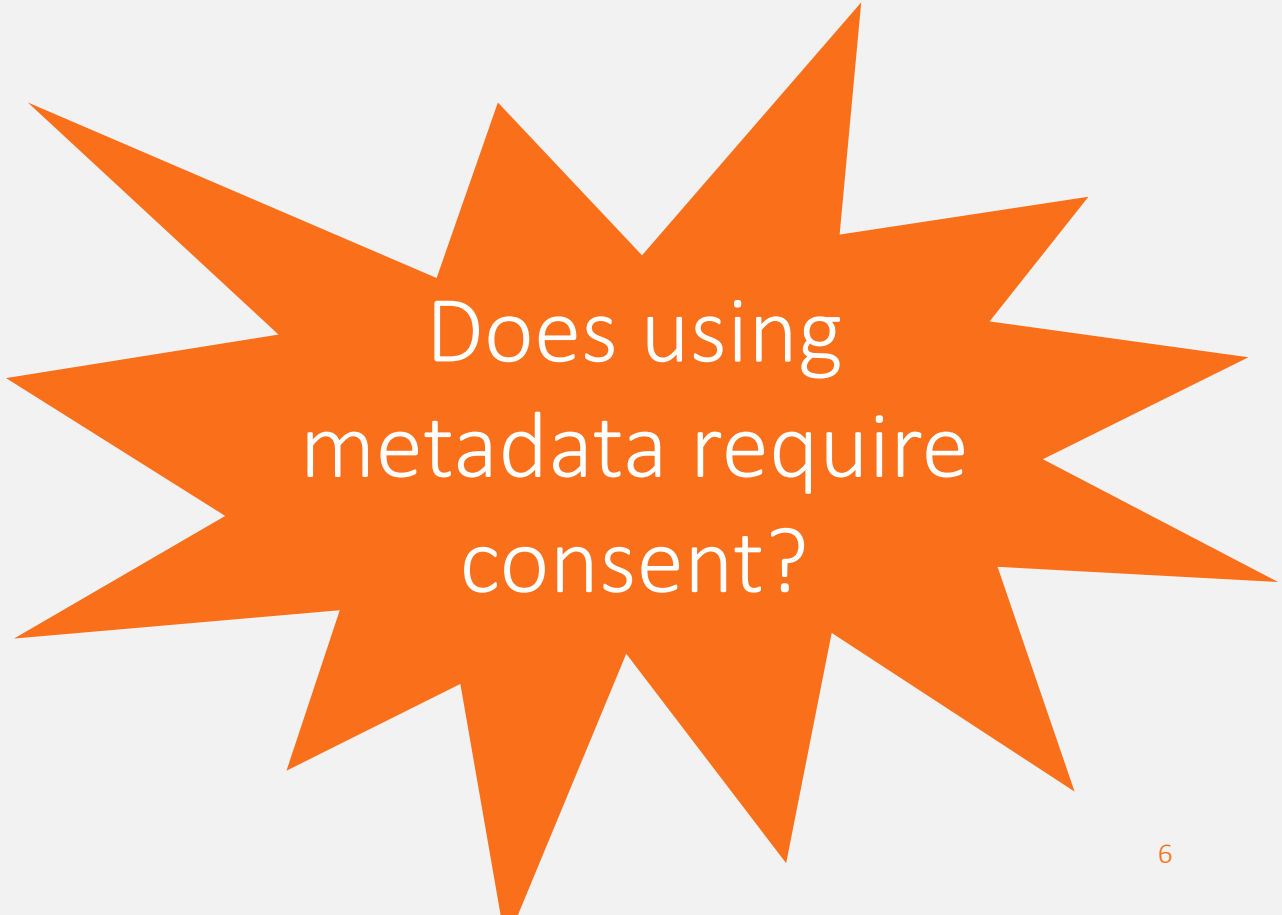
Examples are in these movie

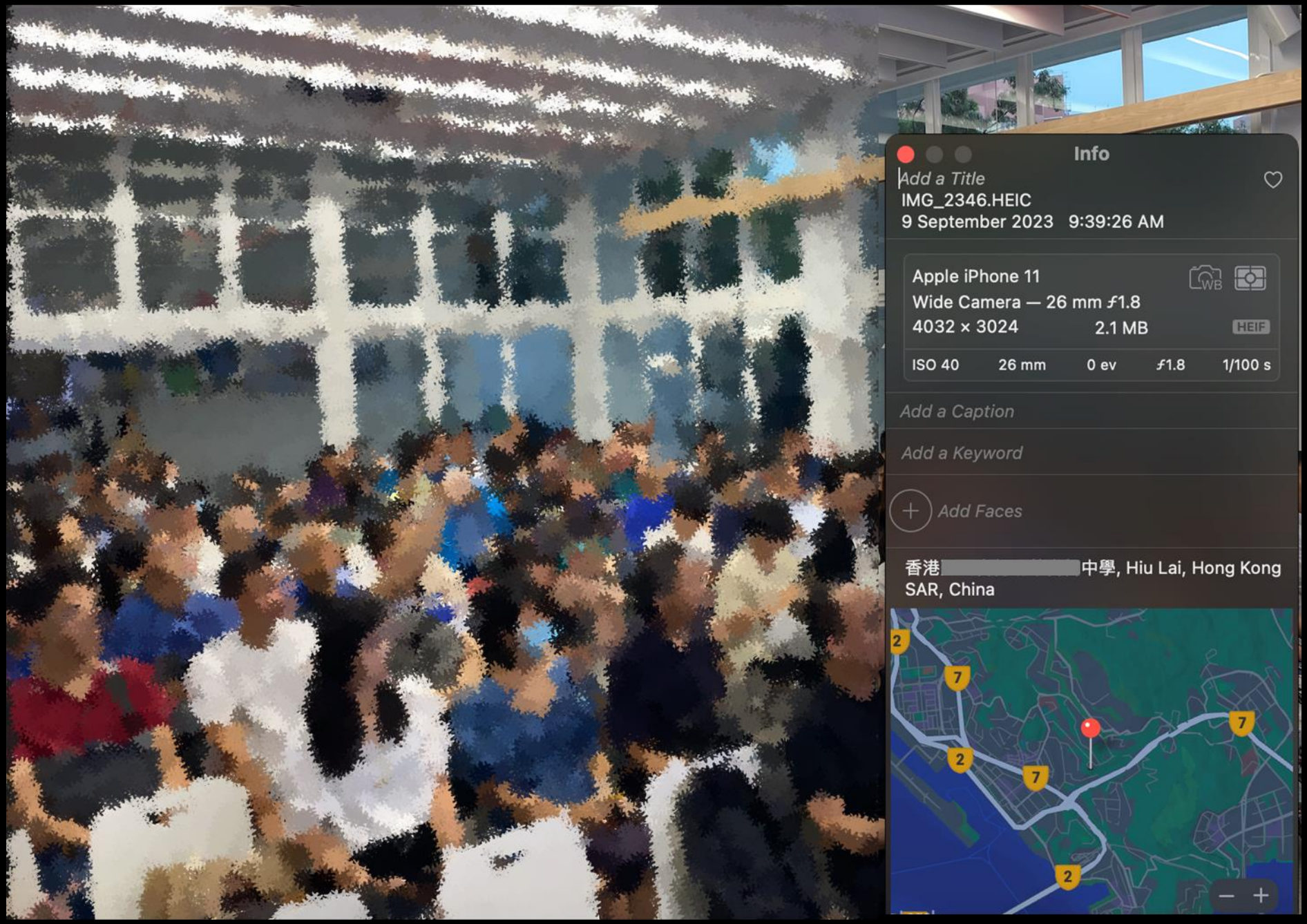
Photo taken from Netflix website, Copyrights belong to the owner.

Open-source intelligence (OSINT) *is the collection and analysis of data gathered from open sources (covert sources and publicly available information) to produce actionable intelligence.*

Why is Metadata created ?

- Machine Processing, automating tasks
  - Classifications
  - Routing
- Debugging
- Statistical
  - Date Time
- Copyright

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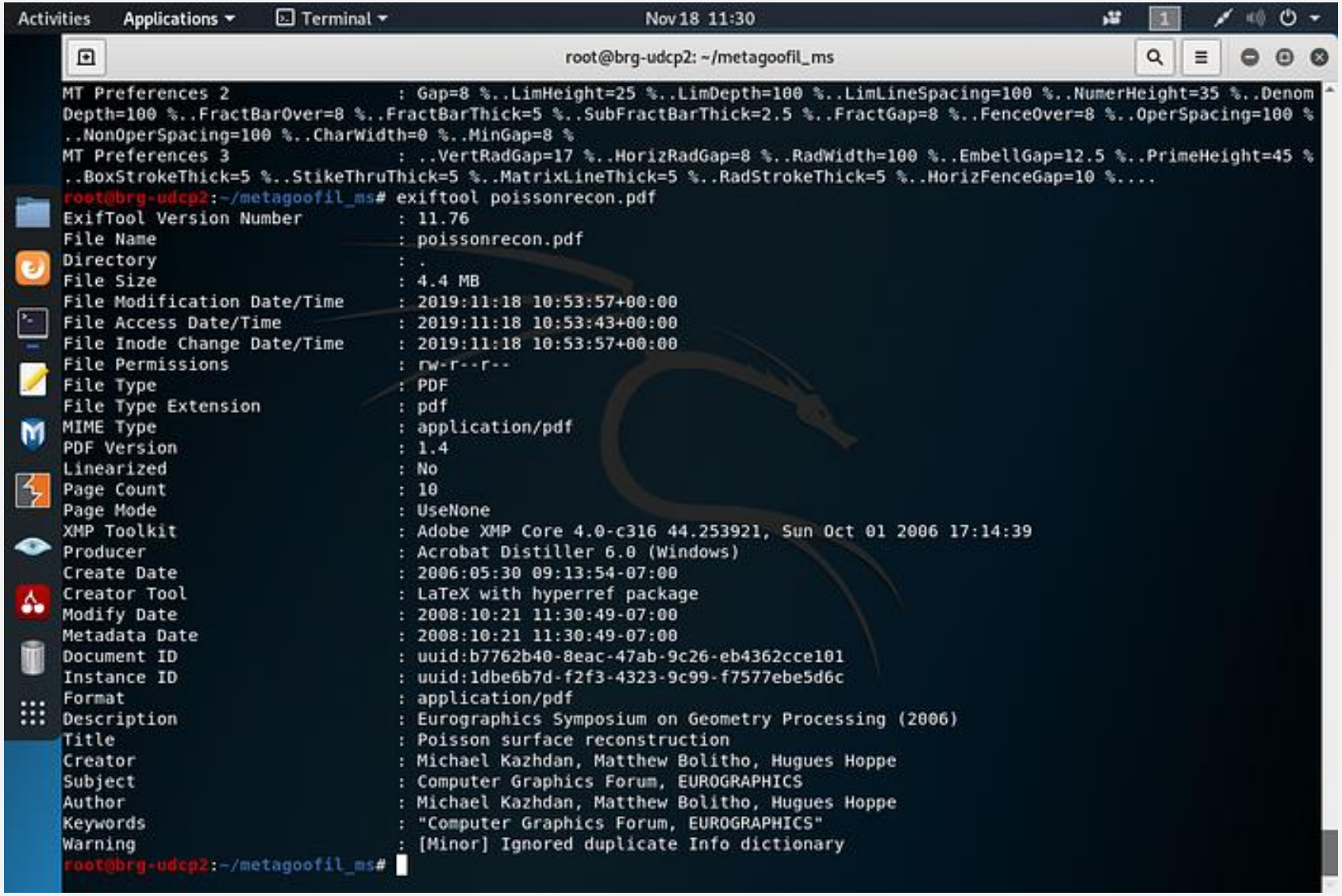
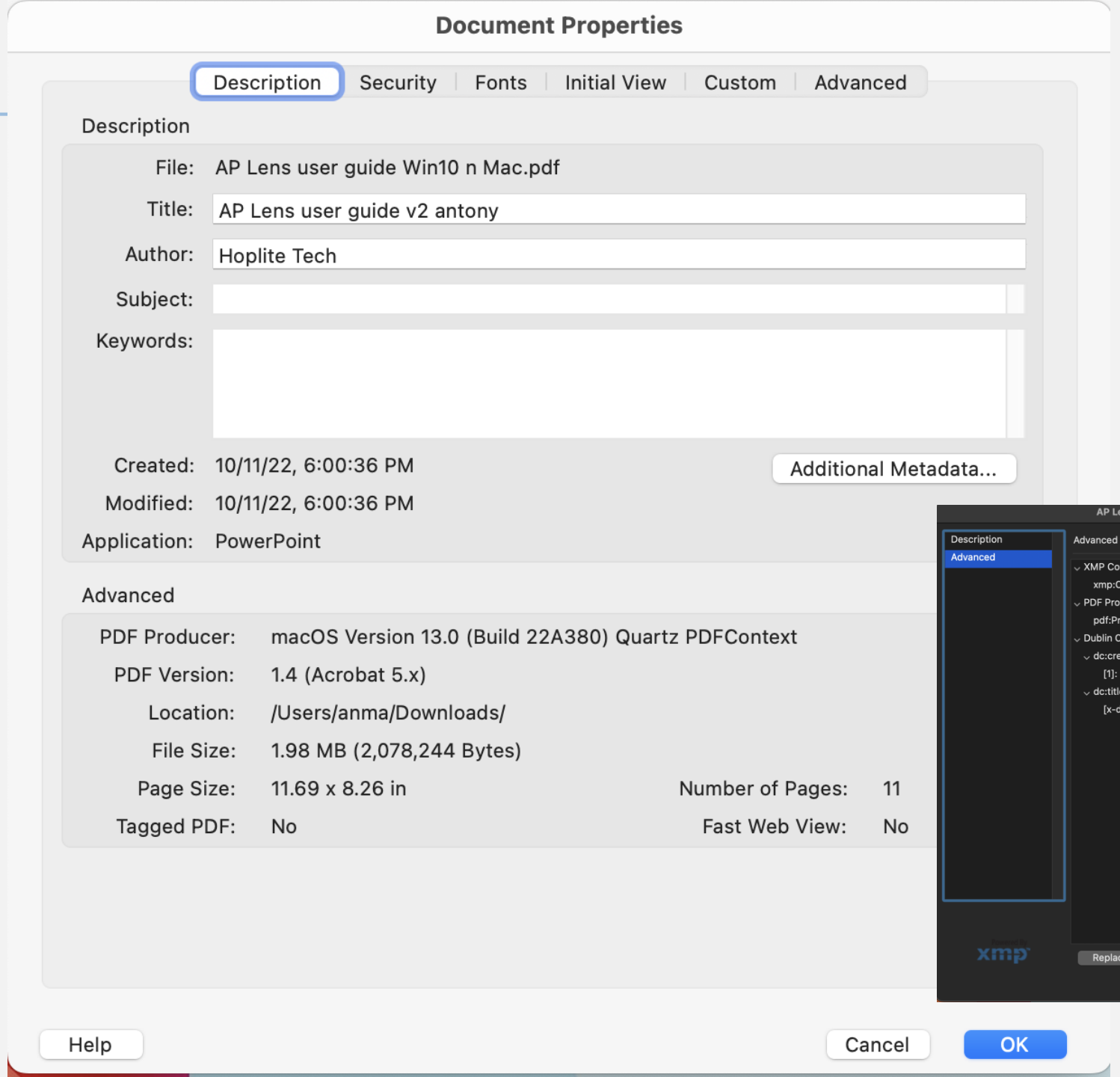
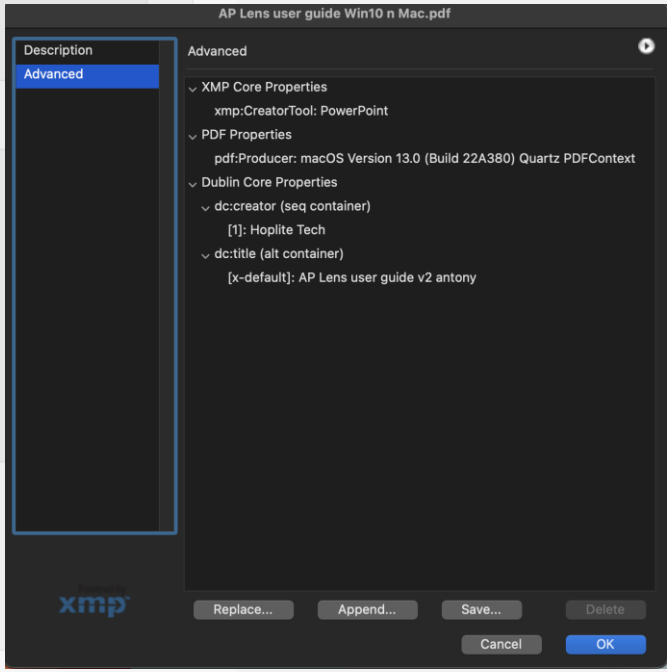


[OSINT Metadata Collecting for Reconnaissance | by Miguel Sampaio da Veiga | Hacker Toolbelt | Medium]

PDF File Meta Data





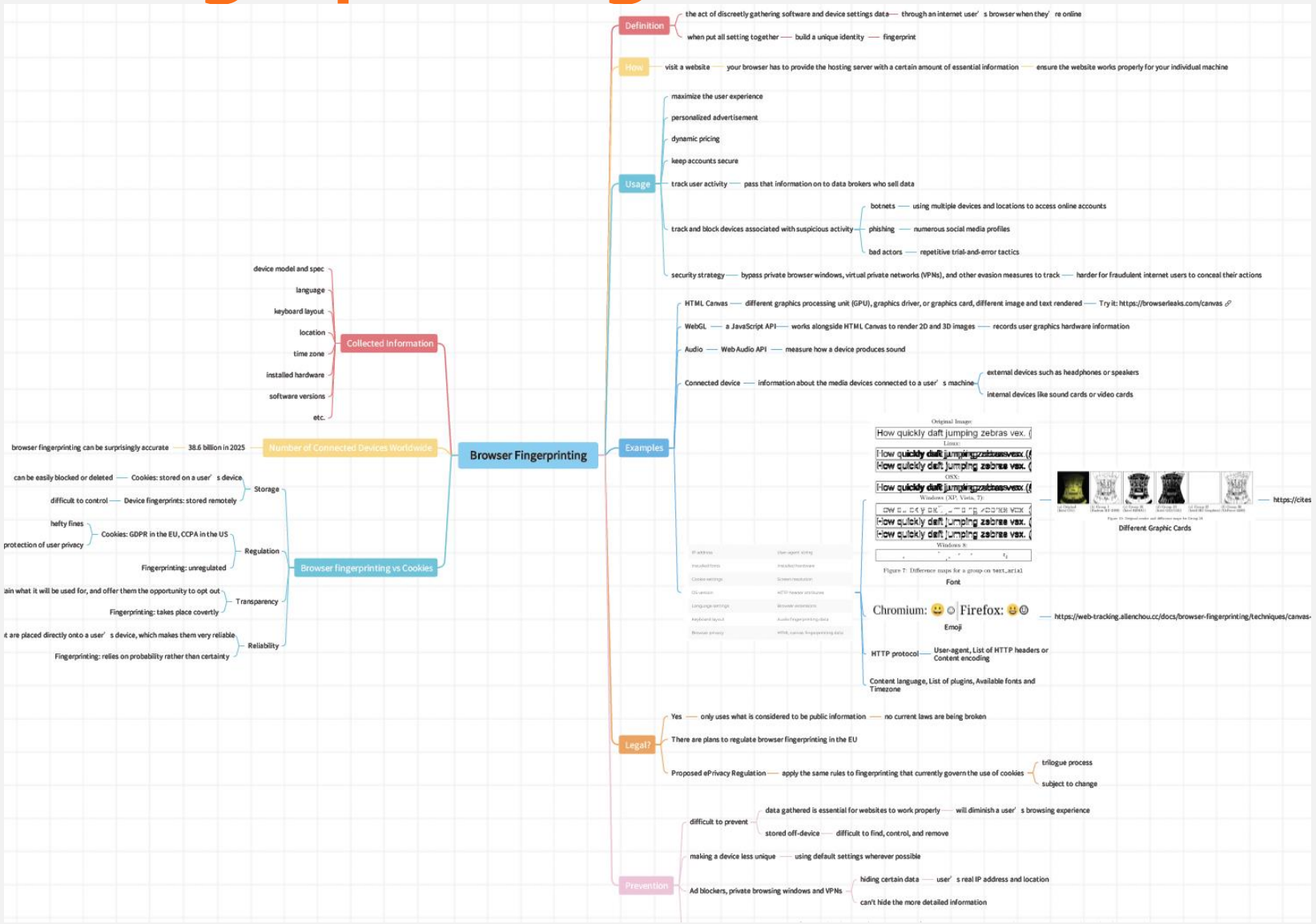
Next step, find your answer

ChatGPT Prompt to ask for next step :

for a general phone user, list the steps and tools for removing photo metadata with an objectives on protect data privacy

Behavior (Dynamic) Meta Data

Browser Fingerprinting



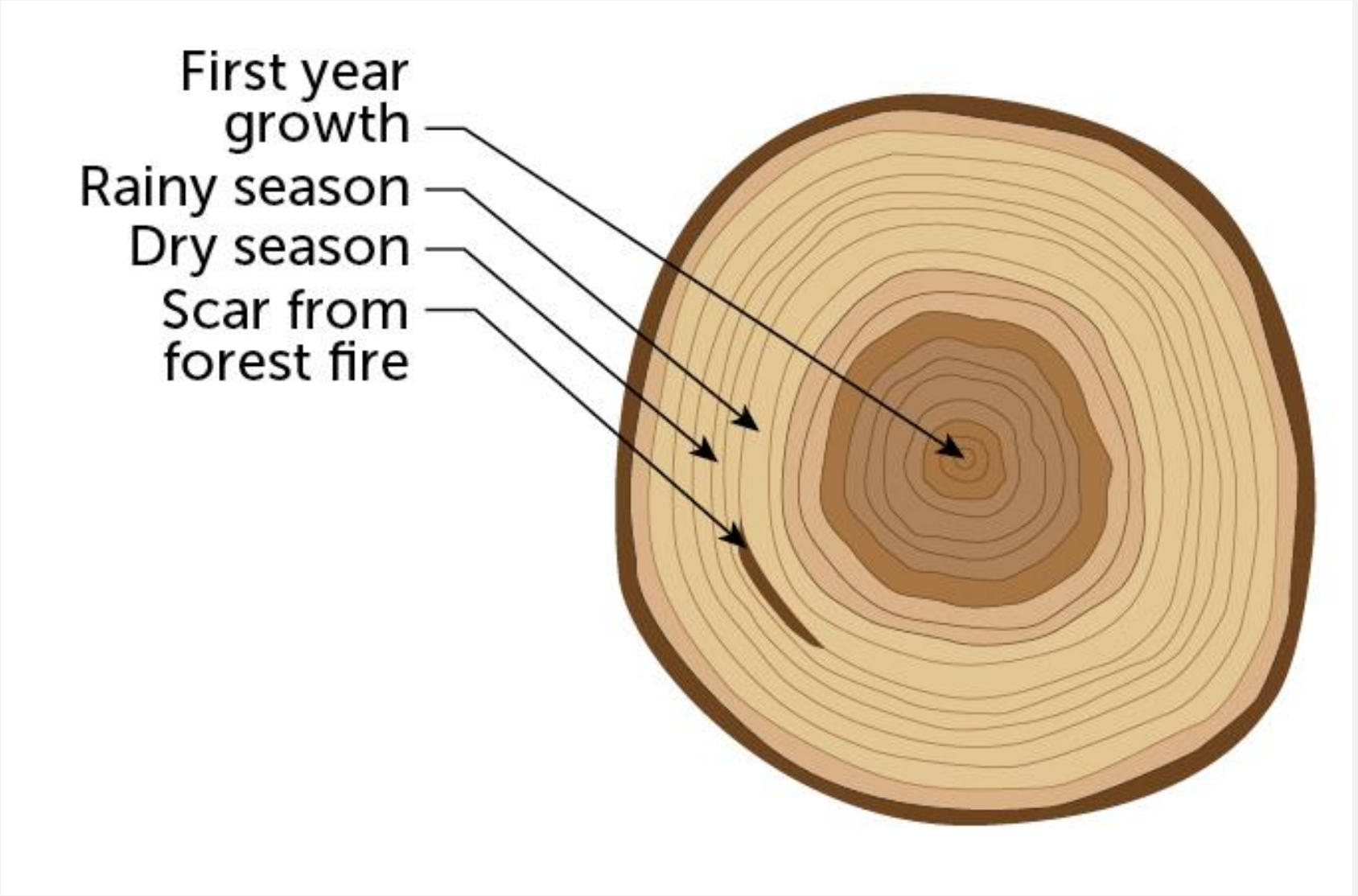
- Definition
  - the act of discreetly gathering software and device settings data — through an internet user's browser when they're online
  - when put all setting together — build a unique identity — fingerprint
- How
  - visit a website — your browser has to provide the hosting server with a certain amount of essential information — ensure the website works properly
- Usage
  - maximize the user experience
  - personalized advertisement
  - dynamic pricing
  - keep accounts secure
  - track user activity — pass that information on to data brokers who sell data
  - track and block devices associated with suspicious activity
    - botnets — using multiple devices and locations to access online accounts
    - phishing — numerous social media profiles
    - bad actors — repetitive trial-and-error tactics

Next step, find your answer

ChatGPT Prompt to ask for next step :

Explain Browser Fingerprinting to a primary school student with basic knowledge of internet. Focus on data privacy protection and its implications. Provide some examples with storytelling

Privacy risk are accumulated



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