

Digital Forensics, Investigation, and Response, Fourth Edition - Lab 02

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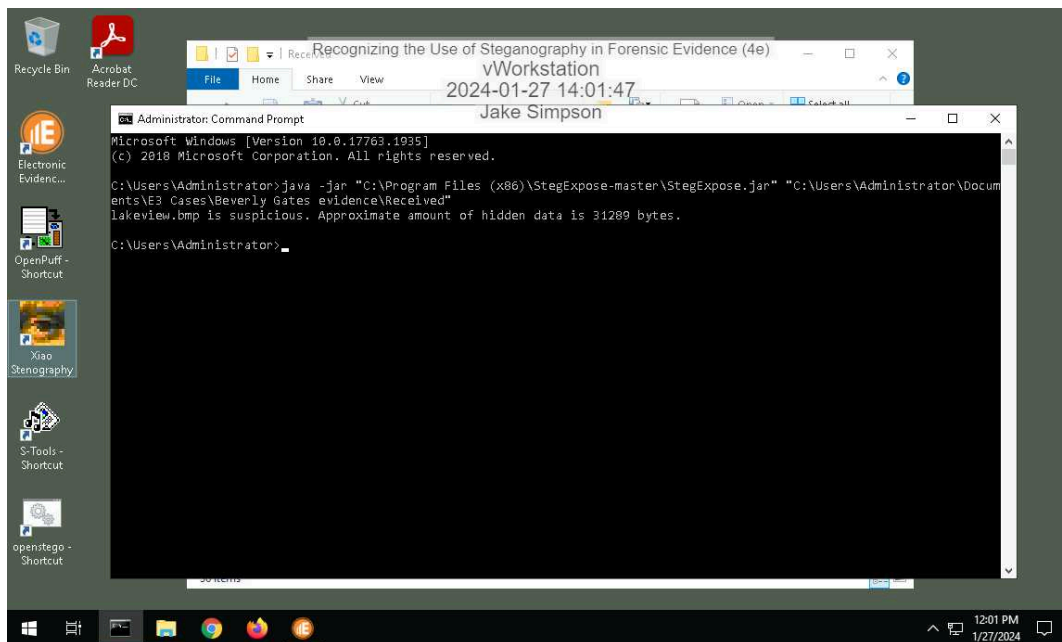
0 hours, 52 minutes

100%

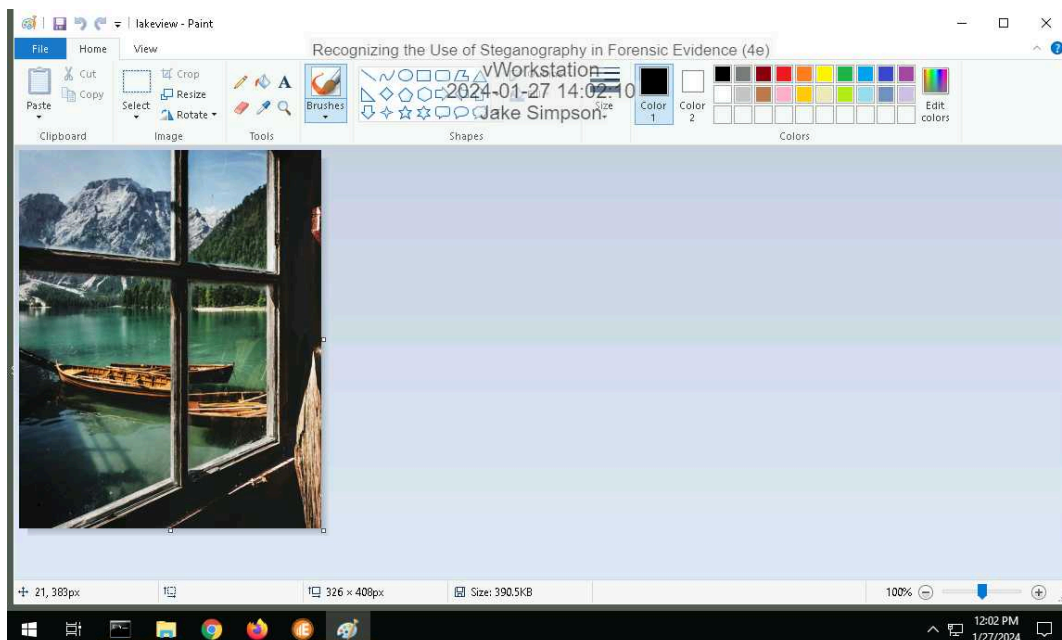
Recognizing the Use of Steganography in Forensic Evidence (4e)

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10. Make a screen capture showing the **StegExpose** results.



13. Make a screen capture showing the **suspicious file** in **Microsoft Paint**.



Part 3: Extract Hidden Data from Image Files

2. Record the passphrase saved in the ReadMe file.

landmarks

16. Make a screen capture showing the contents of the file extracted by OpenPuff.



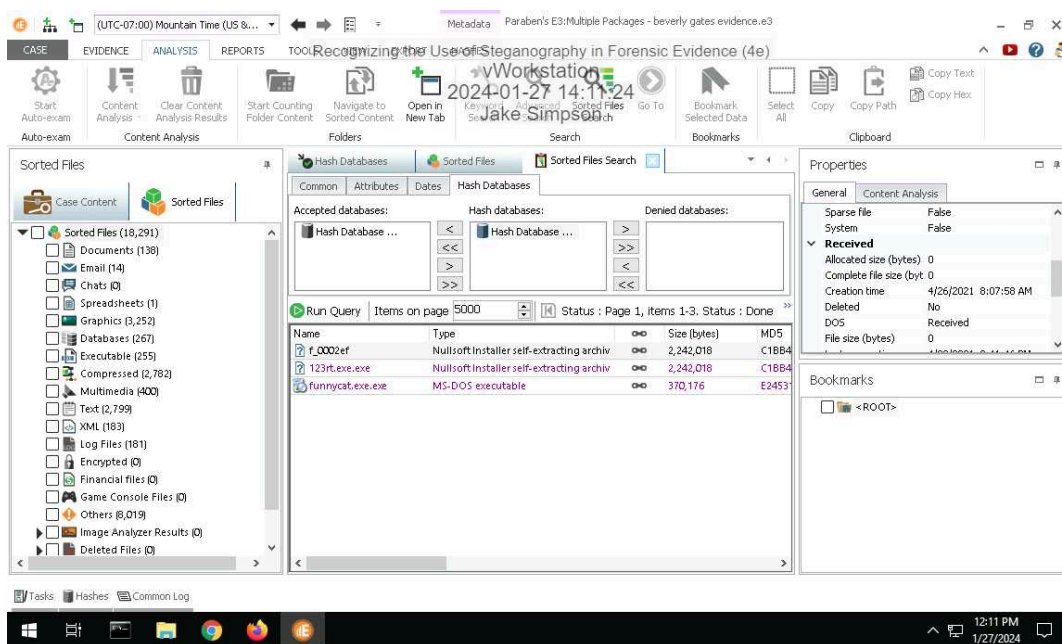
17. Describe the contents of the hidden file. How might it be relevant to the current investigation?

The contents appear to be specific locations. This could be important to the investigation into her illegal drug trafficking.

Section 2: Applied Learning

Part 1: Detect Steganography Software on a Drive Image

5. Make a screen capture showing the search result and its description.



Part 2: Detect Hidden Data in Image and Audio Files

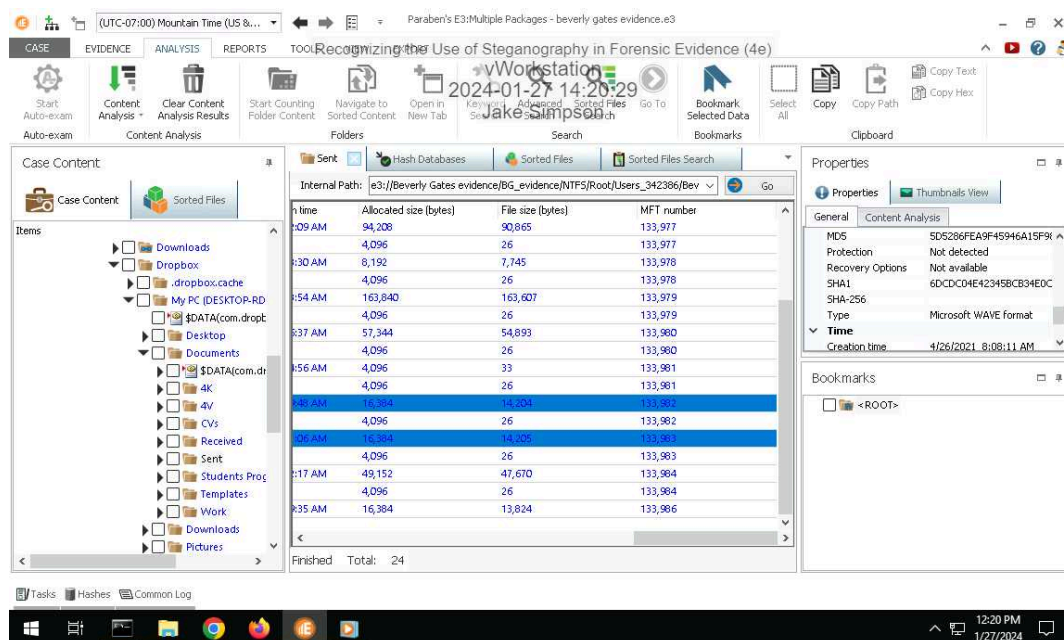
4. Identify the image file with concealed data according to the StegExpose steganalysis tool.

dB9olser.gif is suspicious

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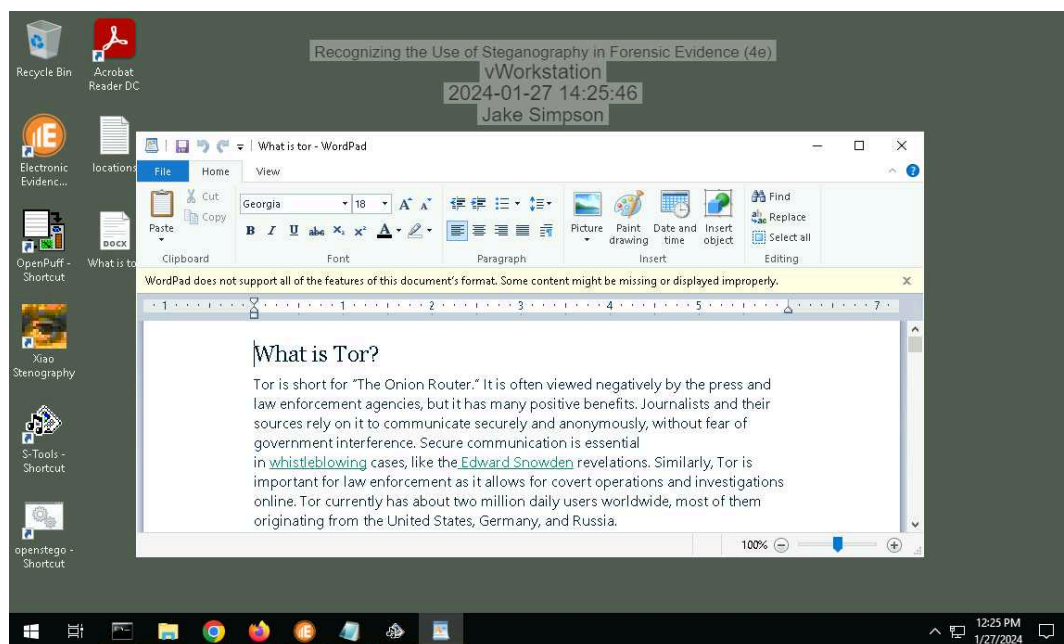
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7. Make a screen capture showing the WAV file sizes and hash values in E3.



Part 3: Extract Hidden Data from Image and Audio Files

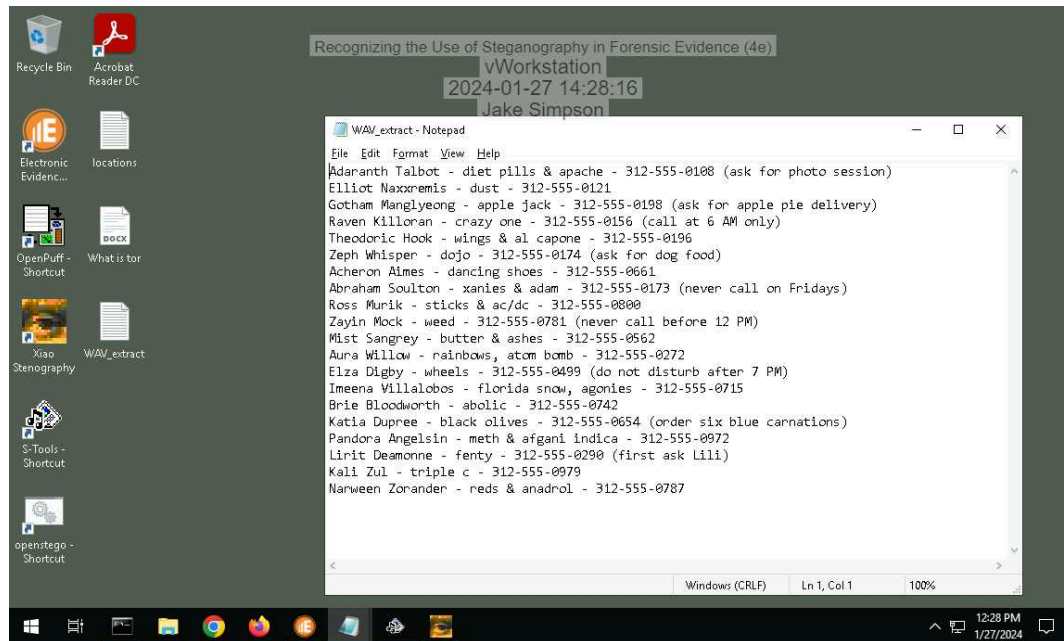
9. Make a screen capture showing the contents of the hidden file extracted by S-Tools.



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15. **Make a screen capture** showing the **contents of the hidden file extracted by Xiao**.



16. **Describe** the contents of the two hidden files. How might they be relevant to the current investigation?

The contents from the gif file show information about Tor which is a software used for anonymous communication. The contents from the WAV file show names and phone numbers of people and drugs corresponding to the people. This is useful for the narcotics investigation

Section 3: Challenge and Analysis

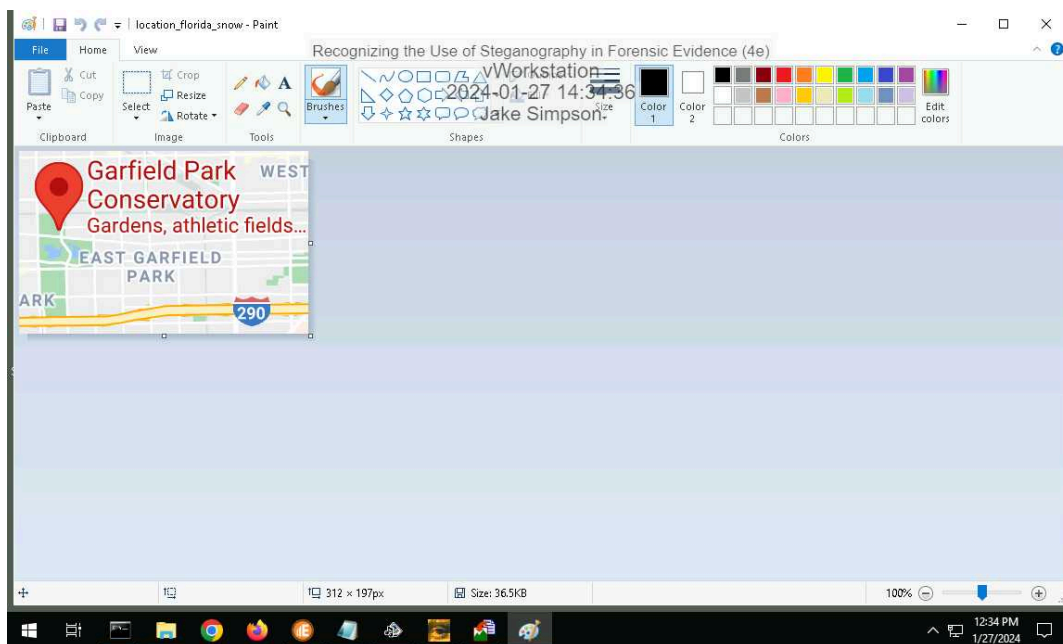
Part 1: Detect More Hidden Data

Record the names of the files that contain concealed data.

Both chichago.bmp and chichago1.bmp are suspicious.

Part 2: Extract More Hidden Data

Make a screen capture showing the **first file extracted by OpenStego**.



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Make a screen capture showing the second file extracted by OpenStego.

