

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

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

Student:

Jose Cruz

Email:

jose.cruz2@udc.edu

Time on Task:

18 hours, 8 minutes

Progress:

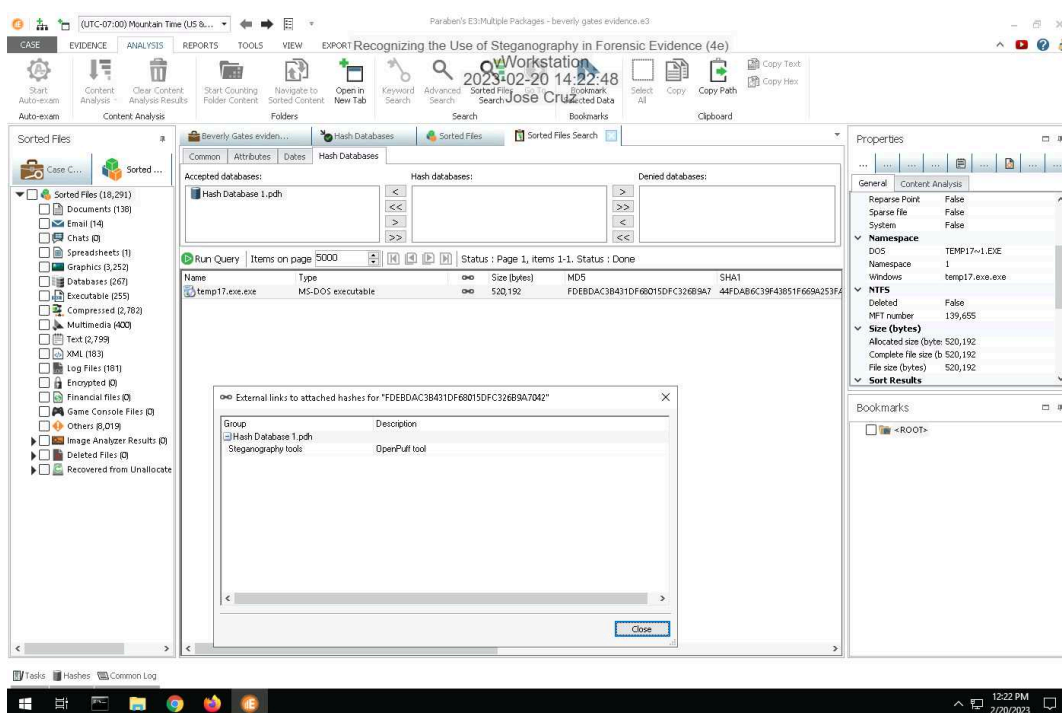
100%

Report Generated: Saturday, February 25, 2023 at 8:37 PM

Section 1: Hands-On Demonstration

Part 1: Detect Steganography Software on a Drive Image

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

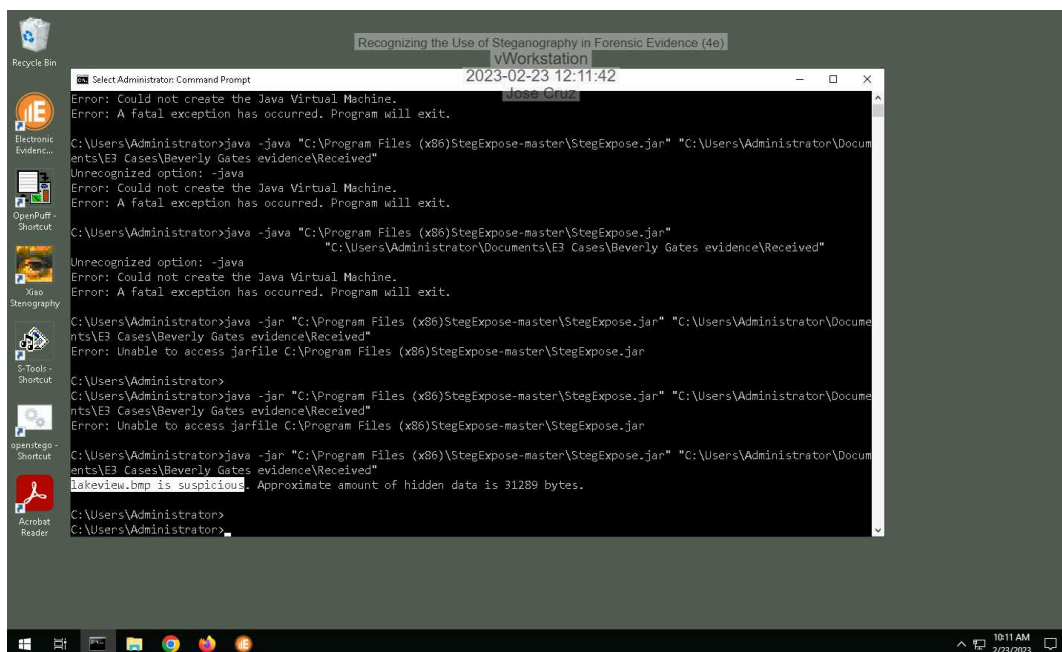


Part 2: Detect Hidden Data in Image Files

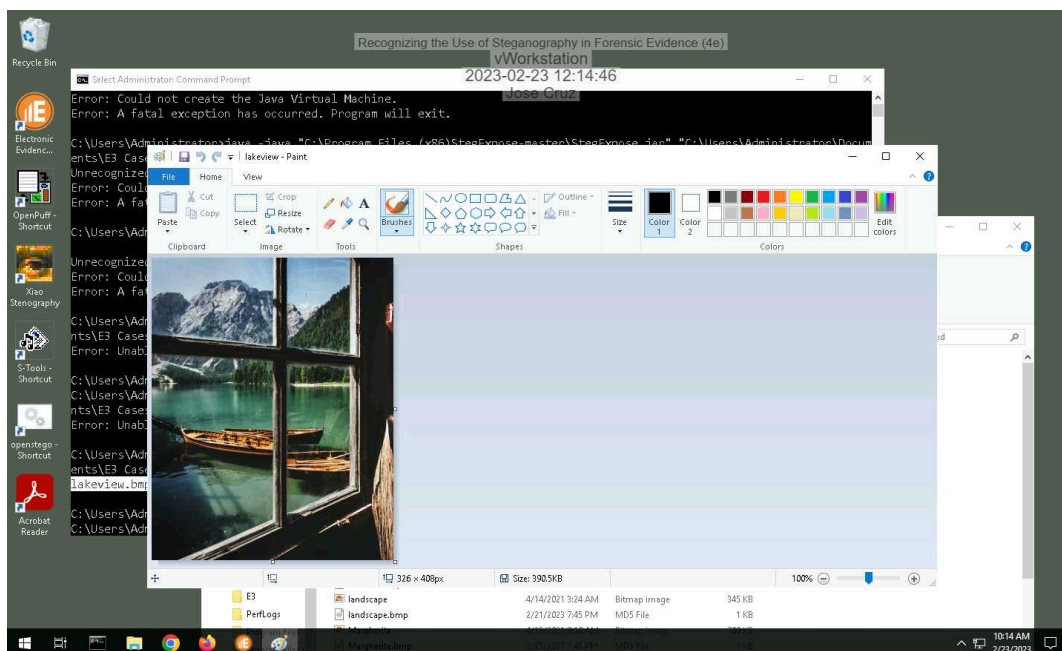
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10. Make a screen capture showing the StegExpose results.



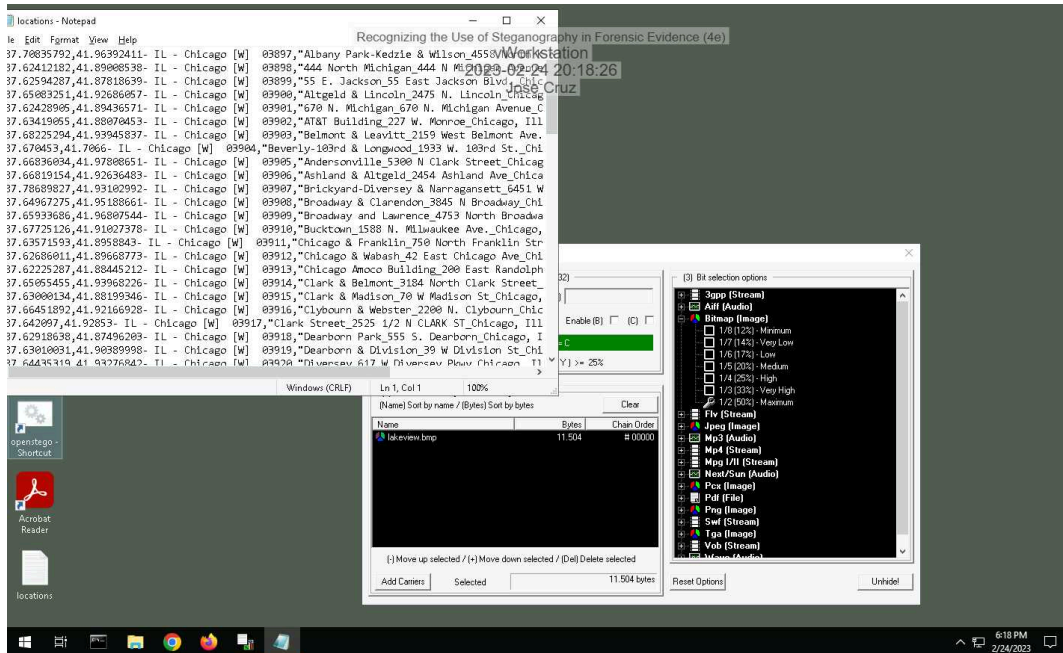
13. Make a screen capture showing the suspicious file in Microsoft Paint.



Part 3: Extract Hidden Data from Image Files

2. Record the passphrase saved in the ReadMe file.

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



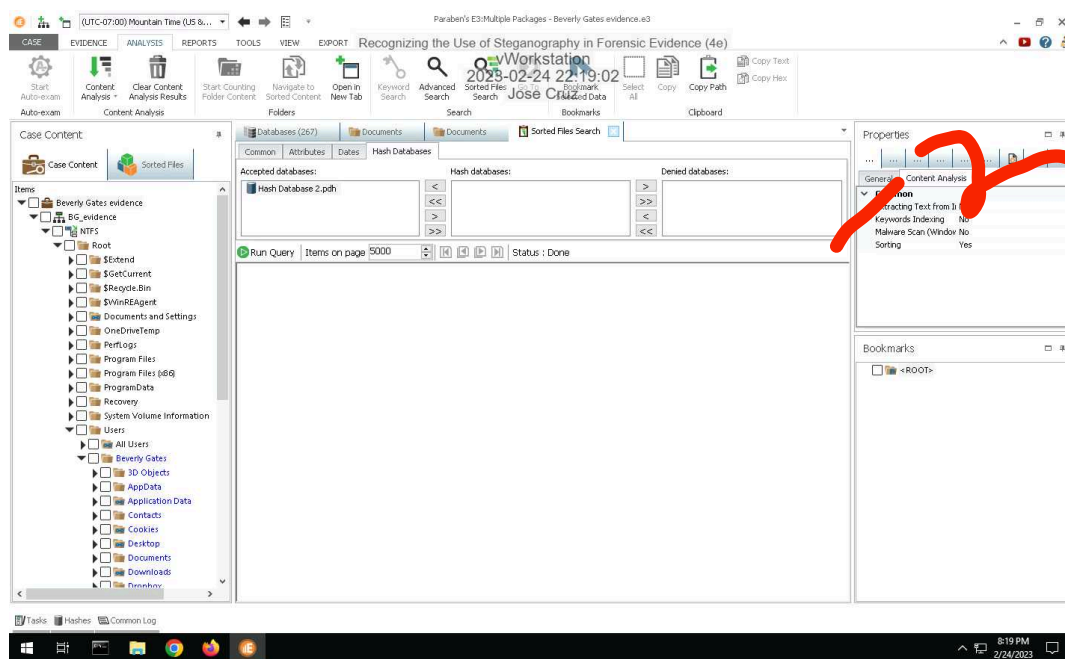
17. Describe the contents of the hidden file. How might it be relevant to the current investigation?

In the text file there is many addresses and random numbers, it can be addresses to Beverly corrupted friends. This information can be relevant to the contacts on her emails. We can try to connect them to see if they match.

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

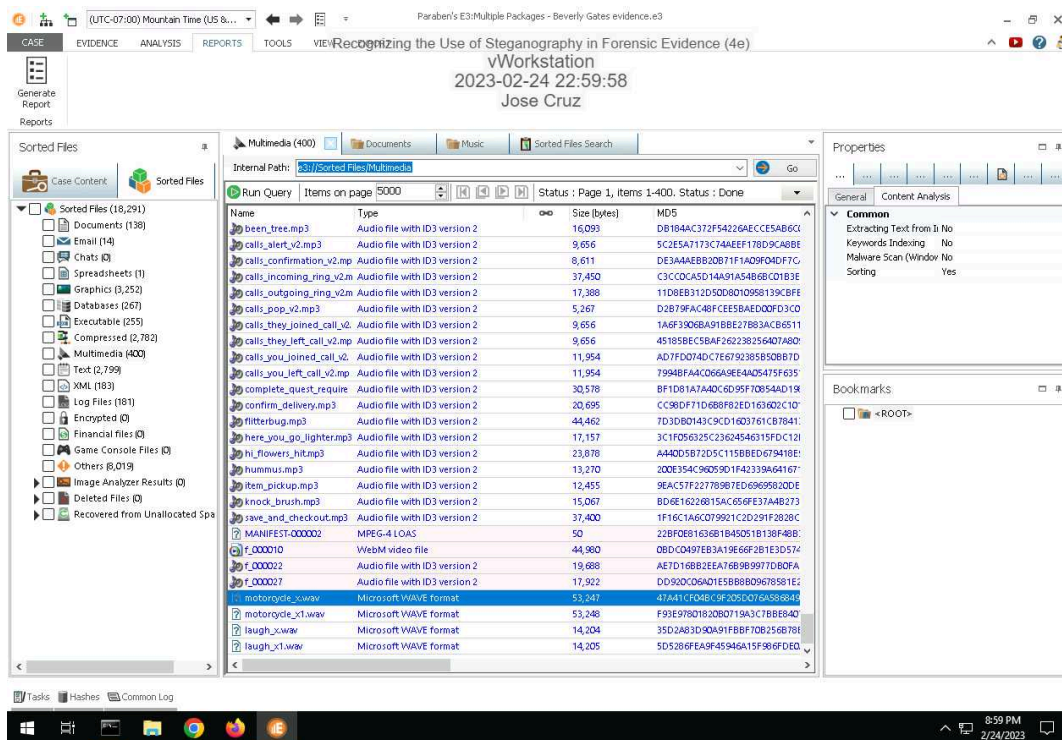
4. Identify the image file with concealed data according to the StegExpose steganalysis tool.

The image file displayed in the command prompt is "dB90lser.gif"

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

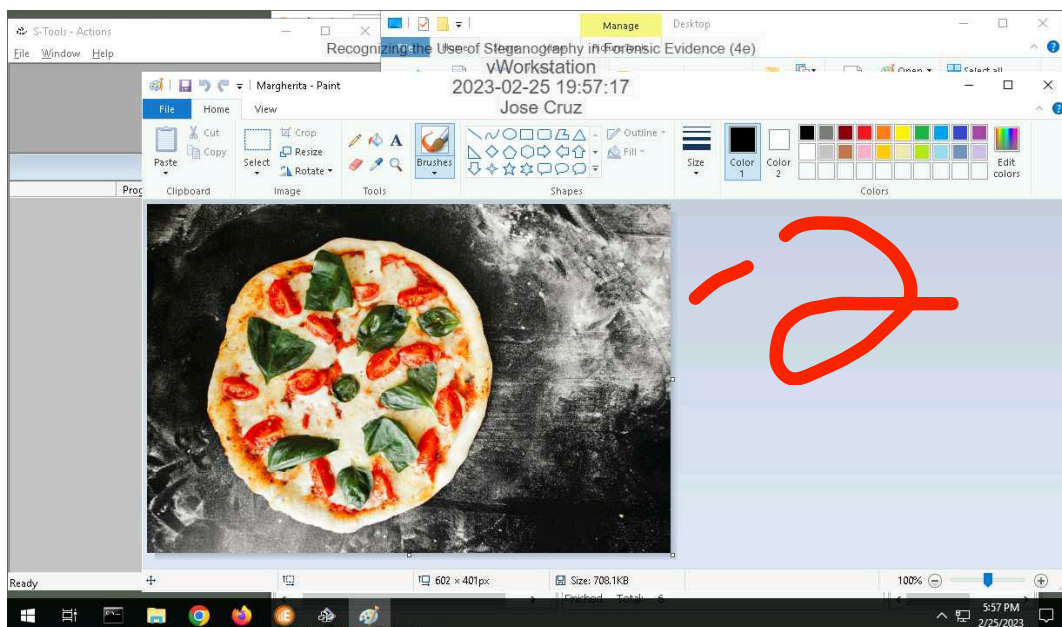


Part 3: Extract Hidden Data from Image and Audio Files

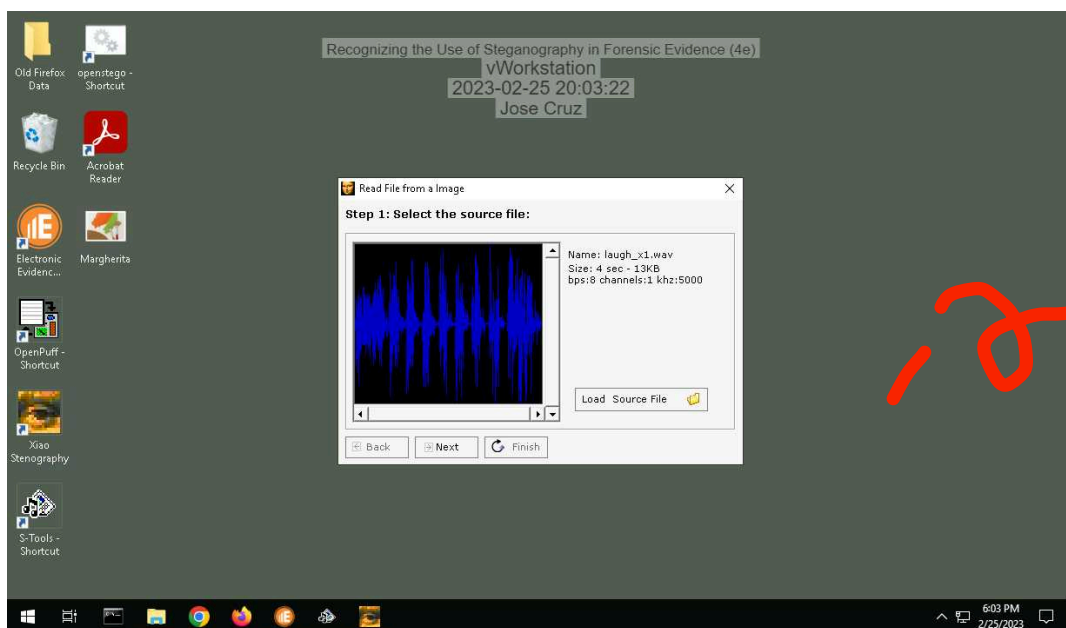
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9. Make a screen capture showing the contents of the hidden file extracted by S-Tools.



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?

Showing so much hidden information using multiple software's, details displaying bit by bit to give more suspicious actions by Beverly.

Section 3: Challenge and Analysis

Part 1: Detect More Hidden Data

Record the names of the files that contain concealed data.

8cEbednRi

8cxn5XK9i

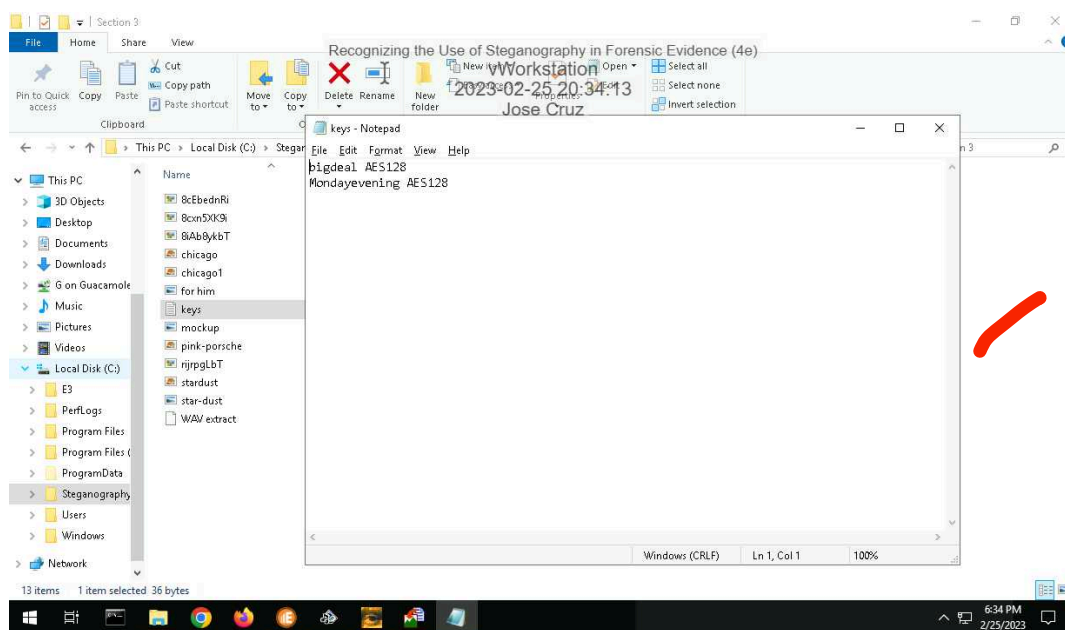
8iAb8ykbT

rijrpgLbT

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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.

