

Digital Forensics Court Report

Forensics Analyst Information

Being a digital forensics analyst, my job was to examine the image file presented to me by the local police and deliver the facts that would seem relevant to the case. The evidence was recovered and verified to be unaltered. Any concerns pertaining to the acquisition of the evidence can be found in this report.

Case Description

Ms Penelope Olsen also known as Mrs Mona Simpson, an employee of Lard Lad Donuts is accused of stealing and leaking the information of company's secret recipe. Police found a USB drive at her last know address which was to be examined.

Forensics Tools Used.

The digital image was examined and analysed using the tool named Autopsy in a Windows Machine. Also, The security staff at the company monitored Ms Penelope's activity using a tool named Wireshark.

Investigation.

Below is the following procedure that I took to extract what data I found to be relevant to the case.

I started analysing the messaging packets provided by the company's security staff. Examining the packets, I found that Ms Penelope has sent some messages to the user stating that the recipe has been downloaded from the file's server which needs to get copied in a thumb drive. The packets also suggests that She was planning to travel to Hawaii.

My second task was to extract the digital image provided by the local police. I extracted the image in the tool named Autopsy and started examining it. I analysed each and every folder in order to find the evidence relevant to the hidden secret recipe. The folder of deleted files in particular gave me a clue if the secret recipe was hidden. I extracted the deleted files in Autopsy which gave me a location that where the secret recipe could be. Also, I extracted the deleted file named Stego.jar which happened to be a Steganography tool which is used to extract as well as hide data. One specific deleted folder gave me the exact file where the secret recipe was hidden. I tried to extract it in Steganography but the file was password protected. Going through other files in the digital image, I discovered two office files where one file in particular gave me the password for the extraction of the secret recipe. I used the password found in the image file and extracted the secret recipe. These steps and specifically steganography was used to hide the evidence for stealing the secret recipe.

Also, there was someone else named Lisa which mentioned the secret about recipe to her dad. It indicates that Lisa could be the daughter of Mrs Simpson and that her dad could actually be the husband of Mrs Simpson. Above recovered data is all relevant to the case.

Conclusion.

This and the technical report has pointed out pieces of information relating to the case of Ms Penelope Olsen alias Mrs Mona Simpson. It is important to state that both the reports states the evidence of secret recipe and Ms Penelope alias Mrs Simpson actually stole the secret recipe. It is now up to the judge reading this report to determine if this information is of any value to the case. My job was to present the facts as I have found in the suspects USB drive.