

Answer the following in this section Creating an Image

1. Source Drive **Generic Flash Disk USB Device**
2. The capacity of the source disk in # of bytes **246 MB**
3. Type of Forensic Tool Used **AccessData® FTK® Imager 3.1.5.0**
4. Destination Location **C:\Users\Godwin Monserate\Desktop\2ND Sem 2020-2021\Information Assurance and Security\Digital Forensics\Photo Crime\Drugs\drug-case.001**
5. Target Filename **drug-case.001**
6. Estimated time to finish developing the image **3 minutes 58 seconds**
7. Hash Value MD5 **56516c8503b3280098983d683d04846b**
8. Hash Value SHA1 **ebe9c92bd64600e807ab454e5b05dba9092c9d59**

Disk Analysis

1. Number of Files in the Source Drive **193 files**
2. Number of Files in the Target Image **221 files**
3. Number of Folders in the Source Drive **10 folders**
4. Number of Folders in the Target Image **12 folders**
5. Number of Deleted Files **28 files**
6. Number of Deleted Folders **2 folders**

Data Recovery

1. Extract the Deleted Files in the Root
Number of Files Extracted? **24**
2. Extract the Deleted Folders
Number of Folders Extracted? **2**
Number of Files Extracted in the Folder (Specify folder and number of files)
2020 files – 3 files
Networking Competition – 0

Data Analysis

1. Examine the contents of the file if it is an image file or a document file
Number of JPEG Files: **25**
Number of Document (.doc) Files: **2**
2. After Examining the signature format of the files, Identify the following:
What is the signature Format of JPEG files? **ÿØÿà**
how many jpeg files have been altered? **0**
have you recovered the file back to its original format? **No**
What is the signature format of a word document file? **Ï.à;±.á and PK**
how many doc files have been altered? **0**
have you recovered the file back to its original format? **No**
3. After recovering the file into its original form.
Number of JPEG Files: **25**
Number of Document (.doc) Files: **2**

4. Use HASH calculator for the image file and the source file, and compare both hash values.

Source

MD5 value **56516c8503b3280098983d683d04846b**

SHA1 value **ebe9c92bd64600e807ab454e5b05dba9092c9d59**

Image

MD5 value **56516c8503b3280098983d683d04846b**

SHA1 value **ebe9c92bd64600e807ab454e5b05dba9092c9d59**

Does the output between the source and the target image render a similar value?

Yes, it has the same hash value because for the altering of files, I used an image of the image instead of using the first image for the recovery of files.

Conclusion

With all the provided evidence, an image copy of data was created to preserve the evidence using **FTK Imager** which was done by **Christian Stewart, Digital Forensic Examiner**. This information was obtained from **First Responder Insp. Godwin S. Monserate** and digital forensic process was used to undergo significant and thorough analysis on a thumb drive.

Upon recovery of deleted files and thorough file searching, 17 significant images have been found. Below are the images which are deemed substantial evidence of drugs done by the perpetrator **Kushiro Yamamoto**, a big-time drug pusher. A list of all drug transactions has been found as one of the significant pieces of evidence present in the thumb drive. Transaction clients and proof of transactions are also shown below.

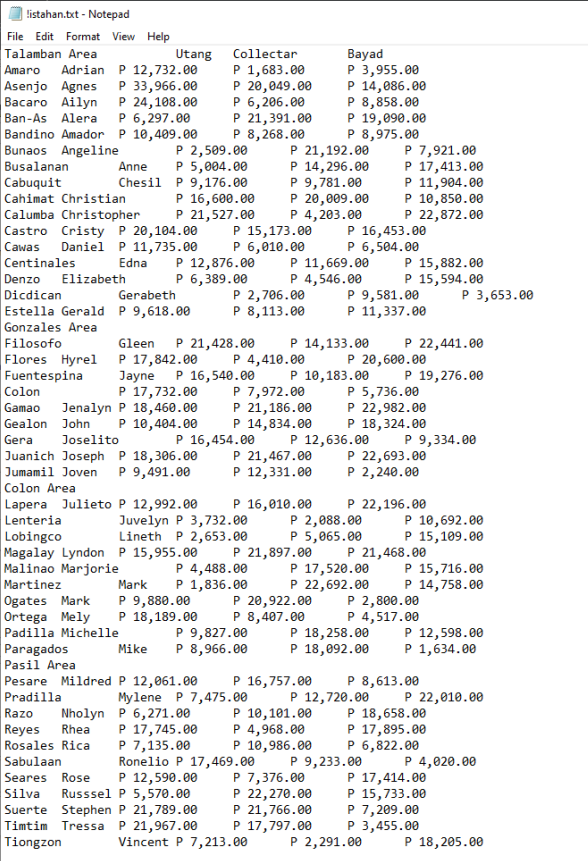
EVIDENCE TABLE		
Figure	Date Deleted	Date Recovered
 <p>Figure 1 listahan.txt</p>	03/21/2021	10/12/2022



Figure 2
Georgie-client.jpg

03/21/2021

10/12/2022



Figure 3
marijuana_20drug_20deal 500per30mg.jpg

03/21/2021

10/12/2022



Figure 4
mario-client.jfif

03/21/2021

10/12/2022

 <p>Figure 5 maryjane.jfif</p>	03/21/2021	10/12/2022
 <p>Figure 6 MJ1.jfif</p>	03/21/2021	10/12/2022
 <p>Figure 7 MJ2.jfif</p>	03/21/2021	10/12/2022



Figure 8
partydrugs 1 - VIP.jfif

03/21/2021

10/12/2022



Figure 9
sarah and justine - client.jpg

03/21/2021

10/12/2022

Kushiro Yamamoto managed to remove files from the memory of the thumb drive and this was evident due to deleted files not having any information inside. However, there are evidences found within the thumb drive that is sufficient-enough proof of his involvement in drugs and criminal acts. Images found below are proof of the failed deletion of evidence since it was present in a separate folder labelled “Religion”

EVIDENCE TABLE		
Figure	Date Modified	Date Recovered
 <p>Figure 10 clientPic.jfif</p>	03/21/2021	10/12/2022
 <p>Figure 11 coke powder.jfif</p>	03/21/2021	10/12/2022
 <p>Figure 12 cyber-drug-dealer-1000per10mg.jpg</p>	03/21/2021	10/12/2022



Figure 13
extassy 700perPc.jpg

03/21/2021

10/12/2022



Figure 14
extassy.jfif

03/21/2021



10/12/2022



Figure 15
jefferson – client.jfif

03/21/2021

10/12/2022

 <p>Figure 16 Joe-client.jfif</p>	03/21/2021	10/12/2022
 <p>Figure 17 Jonas-client.jpg</p>	03/21/2021	10/12/2022

Videos have also been discovered within the thumb drive that contained information on how their drug cartel created drugs to be distributed.

Recommendation

The Digital Forensic team comprised of the First Responder Insp. Godwin S. Monserate and Digital Forensic Examiner, Christian Anthony C. Stewart, have analyzed the information obtained and have obtained substantial evidence to convict the perpetrator, **Kushiro Yamamoto** for multiple instances of drug possession and connections to a drug cartel.

Kushiro Yamamoto, a drug pusher, provided evidence within his thumb drive, a list of all transactions along with several images as legitimacy of such - along with physical evidence such as a 9mm Smith and Wesson Pistol. A trial is due for the convicted and we strongly conform to the severe punishment of the accused based upon presented evidence of several instances of crime.