

# Affidavit

I, the affiant, Eden Will Sng Jin Xuan, ID No. 20243939C Occupation: Senior Digital Forensics Investigator  
Address: 2514 S ELIZABETH ST SALT LAKE CITY UT 84106-4305 USA, do solemnly and sincerely swear that:

1. I am a Senior Digital Forensics Investigator with Orem Police Forensics Lab. I have a doctorate degree in Cyber Forensics & Malware Analysis.  
My professional Background and experience include.
  - a. 2018 Singapore Sing Health Data Breach.
  - b. 2021 United States of America, Colonial Pipeline ransomware attack.
  - c. 2023 United States of America Database server Ransomwares
2. I have been Requested by Orem Police Forensics Lab to render my expert opinion regarding the digital forensics analysis of the digital evidence relating to district court case number IT3563PA201520MEdenWillSngJinXuan.
3. Now Produced and shown to me, annexed hereto, and marked as Exhibit A-1, is a true copy of my Expert Report, which contains my Expert Opinion. I testify that the Expert Report is produced by me, and I accept full responsibility for my Expert report.
4. Notwithstanding the fact that my Expert Opinion was requested by the Plaintiff, I confirm that my view set forth in my Expert Opinion have not been influenced by the Plaintiff. I believe that my opinions expressed in my expert report are correct.
5. I have read and understand the duties of an expert witness as set out in Order 40A of the Rules of the Court.
6. I understand that in giving the opinions expressed in my Expert Report, my duty is to assist the Court on the matters within my expertise and that this duty overrides any obligations to the party from whom I have received instructions or by whom I am paid. I have complied with that duty.

| References in Affidavit<br>Exhibition Mark | Nature of Exhibit         |
|--|---------------------------|
| A-1  | Expert Report             |
| A-2  | 64 MB Toshiba Thumb Drive |
| A-3  | 32 MB Toshiba Thumb Drive |
| A-4  | Tableau TD3 Duplicator    |

Sworn by the abovenamed  
Eden Will Sng Jin Xuan Before Me,  
On this 25<sup>th</sup> Day of December 2023



\_\_\_\_\_  
Signature of Affiant



\_\_\_\_\_  
Signature and Name of Notary Public

**THIS IS THE EXHIBIT MARKED "A-1"**

**REFERRED TO IN THE AFFIDAVIT**  
**OF EDEN WILL SNG JIN XUAN**  
**SWORN THIS 25<sup>TH</sup> DAY**  
**OF DECEMBER 2023**

**BEFORE ME**

*neuvillette* **Neuvillette**

---

**Signature & Name of Notary Public**



# Examination Report

## Case Information

|                 |   |
|-----------------|---|
| Case Number     | IT3563PA201520MEDENWILLSNGJINXUAN   |
| Case Date       | 2023-Dec-01   |
| Examiner Name   | Eden Will Sng Jin Xuan  |
| Examiner I.D. # | 201520M   |
| Agency          | Orem Police Forensics Lab   |
| Description     | Investigation of Elvis the hut<br>To search for the following<br><br>Theft of Credit Cards<br>Counterfeiting of US Currency<br>Counterfeiting of US Passports |



## School Of Information Technology Cyber Forensics Process

|  |  |
|--|--|
| <b>Admin No &amp; Team Members Name:</b> | 201520M: Eden Will Sng Jin Xuan                |
| <b>PEM Group:</b>                        | SF2102   |
| <b>Module:</b>                           | IT3563 Cyber Forensics Process                 |
| <b>Assignment:</b>                       | Orem Police Forensics Lab Practical Assignment |
| <b>Module Tutor:</b>                     | Mr. Victor Chua                                |

---

Prepared by: Eden Will Sng Jin Xuan #201520M Initials:

Date of Report: 2023-Dec-05

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## Examination Report

### Summary of Findings

Through the examination and analysis of Exhibits "A-2" and "A-3" I have found the following relevant documentation that is relevant to the three objectives:

- Theft of Credit Card
- Counterfeiting of US Currency
- Counterfeiting of US Passport

### Relevant Documents:

#### Theft of Credit Cards

5 Relevant Documents Were found related to theft of credit cards

- Theft of credit cards

### Pictures of Interest

#### Counterfeit Currency

8 Images were found related to counterfeiting of US currency.

#### Counterfeit US passport

15 Images were found related to counterfeiting of US passports.

#### Theft of Credit Cards

23 Images are associated with the theft of credit cards.

- Pictures of interest

### Internet Artifacts

#### Theft of Credit Cards, Counterfeit US passports

6 Internet Artifacts were associated with Theft of Credit Cards, Counterfeit US passports.

- Internet artifacts

I have strong belief that Elvis the hut has evidence supporting that he has indeed done.

- Theft of Credit Card
- Counterfeiting of US Currency
- Counterfeiting of US Passport

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

Date of Report: 2023-Dec-05

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Examination Tools

The following tools and equipment were used to process the submitted items of evidence:

**Evidence**

Each item was individually inventoried, cataloged and photographed. As part of the cataloging procedures, each submitted item is assigned a unique Bar Code Number (BCN). Additionally, for each piece of Evidence submitted, I created a physical "image" which was then saved to forensically prepared media.

The following devices were examined (for further information, see the enclosed worksheets):

| Name       | Acquisition MD5                  | Verification MD5                 | Evidence Number | Examiner Name                |
|------------|----------------------------------|----------------------------------|-----------------|------------------------------|
| DAY 2 MWF  | 9da41b110926ee229a14629a7e2d8547 | 9da41b110926ee229a14629a7e2d8547 | 2               | Eden Will<br>Sng Jin<br>Xuan |
| ID THEFT 1 | fc67dc2a33b568a774cea733e368bac5 | fc67dc2a33b568a774cea733e368bac5 | 1               | Eden Will<br>Sng Jin<br>Xuan |

---

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# Curriculum Vitae

Eden Will Sng Jin Xuan

## BIOGRAPHY

Eden Will Sng Jin Xuan is the Senior Forensics Investigator at Orem Police Forensics Lab. Mr. Sng has worked with Orem Police Forensics Lab from 2016 to current. Mr. Sng has contributed immensely to the Orem Police Forensics team. Mr. Sng has simplified the previously complicated digital forensics process into a robust forensics team.

Mr. Sng has provided expert opinions in the areas of computer hacking and identity fraud.

Notably, Mr. Sng has participated in multiple court hearings such as:

- a. 2018 Singapore Sing Health Data Breach.
- b. 2021 United States of America, Colonial Pipeline ransomware attack.
- c. 2023 United States of America Database server Ransomwares

Mr. Sng graduated from the Massachusetts Institute of Technology with a doctorate degree in Cyber Forensics and Malware Analysis.

## NOTABLE CASES OF RECORD

- 2016 Mitchell Flowers Identity Fraud case
- 2018 Singapore Sing Health Data Breach
- 2019 Charles Bananas Computer Hacking Case
- 2021 United States of America, Colonial Pipeline ransomware attack.

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- 
- 2023 United States of America Database server Ransomwares

### EDUCATION & Professional Development

#### *Technical Skills*

Linux, Cisco Networking, Windows Server, Fortinet, Encase, Cellebrite, Magnet Axiom, Velociraptor, Wireshark, Kali Linux, Microsoft Excel, Microsoft Word, X-Ways Forensics, Relativity, Logikcull, NextPoint, Microsoft PowerPoint, Microsoft Access, VMware Workstation, Tableau Duplicator

#### *Competitions:*

- 2011 – Albert Vidaal, WorldSkills Internationals Utah County
- 2009 – Gold Medalist, WorldSkills America Skill 99 Digital Forensics & Process Handling Category

#### *Education:*

- 2012 – 2016 MIT Doctor of Science, Cyber Forensics & Malware Analysis
- 2009 - 2012 MIT Bachelor of Science, Cybersecurity & Forensics
- 2006 – 2009 NYP Diploma in Cybersecurity & Digital Forensics

#### *Certifications:*

- EC-Council - Computer Hacking Forensics Investigator
- Encase – Encase Certified Examiner

EC-Council Computer Hacking Forensics Investigator Certificate



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Encase Certified Examiner



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Nanyang Polytechnic, Diploma in Cybersecurity & Digital Forensics



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MIT Bachelor of Science, Cybersecurity & Forensics

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

UPON THE RECOMMENDATION OF THE FACULTY  
HEREBY CONFERS ON

Eden Will Sng Jin Xuan

THE DEGREE OF  
BACHELOR OF SCIENCE

IN  
Cybersecurity & Forensics

IN RECOGNITION OF PROFICIENCY IN THE GENERAL AND THE SPECIAL  
STUDIES AND EXERCISES PRESCRIBED BY SAID INSTITUTE FOR SUCH DEGREE  
GIVEN THIS DAY UNDER THE SEAL OF THE INSTITUTE AT CAMBRIDGE  
IN THE COMMONWEALTH OF MASSACHUSETTS

February 14, 2012

SECRETARY

PRESIDENT



MIT Doctor of Philosophy,

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

UPON THE RECOMMENDATION OF THE FACULTY  
HEREBY CONFERS ON

*Eden Will Sng Jin Xuan*

THE DEGREE OF  
**DOCTOR OF PHILOSOPHY**

INrecognition of scientific attainments and the ability  
to carry on original research as demonstrated by a thesis  
in the field of

*Cyber Forensics & Malware Analysis*

GIVEN THIS DAY UNDER THE SEAL OF THE INSTITUTE AT CAMBRIDGE  
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FEBRUARY 18, 2015

SECRETARY



PRESIDENT

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# *Department of Orem Police*

# *Forensics Lab*

## Requester Info

| Requester Details |                              |
|-------------------|------------------------------|
| Name              | Xavier Augustine             |
| Office Phone      | (801) 812-3456               |
| Cell Phone        | (801) 809-1234               |
| Requested Date    | 2023, December 1st           |
| Position          | Senior Criminal Investigator |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *E*

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## Introduction

### Background Information

Since arriving at Mountain Valley High School, Elvis is known for being a hacker-extraordinaire, a mischievous counterfeiter, and an all-around bad influence.

Recently, Elvis was arrested on suspicion of counterfeiting US currency, producing fake identification (including US passports), credit card theft and replication, and card number generation.

### Case Brief/Case Summary

Security personnel at JC Penney in Orem, Utah were alerted by sales associates when Elvis tried to use a JC Penney credit card that had been reported lost or stolen. Elvis was apprehended at the store and detained by police. Subsequently, Orem police obtained a search warrant for both Elvis's house and his school lab.

Eden is task to conduct the search and seizure of evidence at Elvis's house. Eden have found a 64MB USB thumb drive in Elvis's possession, which Eden have collected and subsequently passed it a police officer to transport it to Orem Police Forensic Lab reception for intake of evidence.

Elvis has been quite involved in computer classes during the last few quarters. Elvis has also been a teacher's assistant and has access to the drive keys that allow hard drives to be swapped in and out of classroom machines. Police believe Elvis might have been taking hard drives home for use as well.

On the same day later, Eden conducted a search in Elvis' school with the same Search Warrant. Eden seized a 32MB USB thumb drive from Elvis' school locker and pass the evident to a Police officer to transport it to the Orem Police Forensic Lab reception for intake of evidence.

Eden also requested the school to interview the staff in charge of the PC lab and Elvis's closest friend Michelle to find out Elvis daily school routine and the lab PC account information & lab layout.

### Objectives:

The objectives of the Forensics Report are to document any findings related to the offense Elvis the Hut has committed:

1. Counterfeiting US currency
2. Counterfeiting US passports
3. Theft of credit card information

---

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**Case Agent**

| Agent Details  |  |
|----------------|--|
| Name           | Gwen Chan                                |
| Office Phone   | (801) 898-7654                           |
| Cell Phone     | (801) 810-1234                           |
| Requested Date | 2023, December 1st                       |
| Position       | Senior Forensics Specialist Investigator |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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## DIGITAL FORENSICS SERVICE REQUEST

By submitting this form, the customer agrees that the laboratory will select the technical procedures best fit to complete the request.

|                           |   |   |                                   |
|---------------------------|---|---|-----------------------------------|
| <b>RCFL Use Only</b>      | <b>RCFL Request #:</b> 12345  | <b>Request Type:</b><br>Forensics Examination   | <b>Date:</b>                      |
| <b>Agency Information</b> | <b>Submitting Agency:</b> Orem Police   | <b>Squad/Unit:</b> Crime Investigator   | <b>Task Force:</b> N/A            |
|                           | <b>Agency Case Number:</b><br>IT3563PA201520MEDenWillSngJinXuan   | <b>Crime (plain English):</b> Identity Fraud  |                                   |
|                           | <b>Submitting Person (last, first):</b> Augustine, Xavier   | <b>Title:</b> Senior Criminal Investigator  |                                   |
|                           | <b>Email:</b> xave@orempolice.us  | <b>Office Phone:</b> (801) 812-3456   | <b>Cell Phone:</b> (801) 809-1234 |
|                           | <b>Case Agent (last, first):</b> <input type="checkbox"/> Same Chan, Gwen   | <b>Title:</b> Senior Forensics Specialist Investigator  |                                   |
|                           | <b>Email:</b> gwen@orempolice.us  | <b>Office Phone:</b> (801)898-7654  | <b>Cell Phone:</b> (801) 810-1234 |
| <b>RCFL Information</b>   | <b>Request:</b> <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Follow-up:   | <b>Type:</b> <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Field/On-site   |                                   |
|                           | <b>New Evidence Being Submitted:</b> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N   | <b>Asset Forfeiture Potential:</b> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br><input type="checkbox"/> Unknown |                                   |
|                           | <b>Special Handling:</b> <input type="checkbox"/> Bio-Hazard <input type="checkbox"/> Classified Material <input type="checkbox"/> Drug-Related <input type="checkbox"/> Special Master   | <input checked="" type="checkbox"/> N/A   |                                   |
|                           | <b>Has anyone viewed/examined/accessed this evidence prior to submitted to the RCFL?</b> <input checked="" type="checkbox"/> Y (see comments) <input checked="" type="checkbox"/> N   |   |                                   |
|                           | <b>RCFL Members Consulted/Conducting Triage:</b> Eden Will Sng Jin Xuan   |   |                                   |
| <b>Legal</b>              | <b>Type:</b> Search Warrant   | <b>Date Received by RCFL:</b>   |                                   |
|                           | <b>Evidence Seizure Location:</b>   | <b>Evidence Seizure Date:</b>   |                                   |
| <b>Device Information</b> | <b>Number/Type of Items Submitted</b> (i.e., 2 laptops, 1 thumb drive): ONE Thumb drive 64mb , ONE 3 thumb drive 32MB   |   |                                   |
|                           | <b>Operating System or Device Type:</b> Windows ; If "Other" or multiple, specify here:   |   |                                   |
|                           | <b>Special Handling:</b> <input type="checkbox"/> Bio-Hazard <input type="checkbox"/> Classified Material <input type="checkbox"/> Drug-Related <input type="checkbox"/> Special Master <input checked="" type="checkbox"/> N/A |   |                                   |

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|                        |   |  |   |  |  |
|------------------------|---|--|---|--|--|
|                        | N/A   |  |   |  |  |
|                        | <b>Mobile Device</b>  | <b>Device State:</b> Other (see comments) No Mobile Device Seized. | <b>Lock:</b> Password <input type="checkbox"/> Known <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> | N/A  |  |
|                        |   | <b>Make:</b> N/A   | <b>Model:</b> N/A   | <b>S/N or IMEI:</b> N/A  |  |
| <b>Service Request</b> | <b>Request:</b> <input checked="" type="checkbox"/> Preview <input checked="" type="checkbox"/> Imaging <input checked="" type="checkbox"/> Examination <input type="checkbox"/> Pre-CAIR <input type="checkbox"/> Post-CAIR  |  |   | <b>CAIR-Trained?</b> <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A |  |
|                        | <b>Describe, in detail, services needed. List any investigative, legal, or court deadlines. Explain answers above as necessary.</b>   |  |   |  |  |
|                        | <p>Suspect, Elvis the Hut is suspected of.</p> <ol style="list-style-type: none"> <li>1. Counterfeiting US currency</li> <li>2. Counterfeiting US passports</li> <li>3. Theft of credit card information</li> </ol> <p>We have seized the Two Thumb drives that belong to Elvis the Hut during a search warrant investigation.</p> <p>Requesting forensic investigation into the two thumb drives which are 64mb and 32mb thumb drives respectively.</p> <p>Some credit card number references<br/>           Credit Card Number Formats<br/>           American Express Card number format 1234 123456 12345<br/>           Master and VISA Card number format 1234 1234 1234 1234<br/>           JC Penney Card number format 123 123 123 1 1</p> <p>The deadline for the trials is the 4<sup>th</sup> of January. This is a criminal case.</p> <p>There is no Mobile phone involved.</p> |  |   |  |  |
|                        | <p>If passwords are unknown, email biographical information to sdrclf@fbi.gov. If known, include here: N/A</p>  |  |   |  |  |
|                        | <b>Number of Copies of Results:</b> 2 <input type="checkbox"/>  |  | <b>If Mobile Device, choose extraction type:</b> N/A  |  |  |

I acknowledge that archive derivative evidence maintained by the SDRCFL Evidence Control Facility will be destroyed after a period of four (4) years. I understand that I must submit a request in writing for the media to be further maintained at my agency. Handwritten initials: *Eden*

| RCFL Use | PROCESS              | NAME                   | DATE            | PROCESS                 | NAME                   | DATE            |
|----------|----------------------|------------------------|-----------------|-------------------------|------------------------|-----------------|
|          | <b>Received By</b>   | Eden Will Sng Jin Xuan | 2023 December 1 | <b>Technical Review</b> | Eden Will Sng Jin Xuan | 2023 December 6 |
|          | <b>Initial Entry</b> | Eden Will Sng Jin Xuan | 2023 December   | <b>Admin Approval</b>   | Eden Will Sng Jin Xuan | 2023 December   |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden* Date of Report: 2023-Dec-05

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|               |                        |                 |                       |                        |                 |
|---------------|------------------------|-----------------|-----------------------|------------------------|-----------------|
|               |                        | 1               |                       |                        | 6               |
| Reviewed By   | Xavier Augustine       | 2023 December 1 | Notified for Pick Up  | Eden Will Sng Jin Xuan | 2023 December 6 |
| Assigned By   | Gwen Chan              | 2023 December 1 | Report(s) Distributed | Eden Will Sng Jin Xuan | 2023 December 6 |
| Assigned To   | Eden Will Sng Jin Xuan | 2023 December 1 | Evidence Returned     | Eden Will Sng Jin Xuan | 2023 December 7 |
| Reassigned By | N/A                    | -               | Closed                | Eden Will Sng Jin Xuan | 2023 December 7 |
| Reassigned To | N/A                    | -               |                       |                        |                 |
| Priority      | 1 2 3 4 5              |                 | CART ID               |                        |                 |

### Meeting Minutes

| Meeting Notes  |  |
|--|--|
| Title of Minutes:  | Elvis the Hut  |
| <b>Agenda:</b>   |  |
| Disclosure of Elvis the Hut Case.<br>Briefing of Forensics Investigation process needed<br>Legal documentation needed for the forensics case to succeed.<br>Handing of responsibilities to respective team members |  |
| Date/Time  | Location:  |
| 2023 December 1 <sup>st</sup><br>0900 – 0930 Hours   | Orem Police Criminal Investigation Office<br>(95 E Center St, Orem, UT 84057, USA) |
| Attendees  | Absentees  |
| 1. Xavier Augustine<br>2. Gwen Chan<br>3. Eden Will Sng Jin Xuan<br>4. Amelia Watson<br>5. Sherlock Holmes   | 1. Danielle Chua   |
| <b>Milestones</b>  |  |
| Concluded that Eden would be representing as Expert Witness for Orem Police Forensics Lab  |  |
| Gwen will aid in the Resource Planning and Forensics Request Service Form Signing  |  |

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Xavier Augustine has filed for search warrant which will allow Eden, Amelia and Sherlock to conduct physical Searching of the premises labelled in the search Warrant.

**Action Needed**

**Eden:**

1. To Conduct Data Collection
2. Evidence Extraction
3. Examination
4. Analysis
5. And conclusion of Forensics Report
6. Eden to go to the district court for a public notary for granting of affidavit to present the forensics report, evidence and tools used.
7. Consolidate all findings into a Forensics Report with Affidavit Exhibit Attached.

**Amelia Watson:**

Assist Eden in the Searching and interview of the Suspects.

**Sherlock Holmes**

Assist Eden in the Searching and interview of the Suspects.

**Danielle Chan:**

Assist Eden in the Searching and interview of the Suspects.

**Gwen Chan:**

Create the Forensics Request Form needed for the Criminal Case

**Next Meeting**

Next meeting would be a week from now.

Ensure that the forensics report, documentation, legal writing is sufficient.  
Suggest conclusion to the Elvis the Hut Case Study.

**Minutes Taken by:**

**Minutes Approved By:**

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|                                       |   |
|---------------------------------------|---|
| Amelia Watson<br><i>Amelia Watson</i> | Sherlock Holmes<br><i>Sherlock Holmes</i> |
|---------------------------------------|---|

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| Resource Planning  |   |          |                             |                    |
|--|---|----------|-----------------------------|--------------------|
| Resource Planning Invoice  |   |          |                             |                    |
| Description  |   |          |                             |                    |
| Estimated cost needed to cover for the Forensics Investigation for Elvis the Hut Case. |   |          |                             |                    |
| Time estimated for Case  |   |          |                             |                    |
| Dec 2023 – Late Jan 2023   |   |          |                             |                    |
| Comments:  |   |          |                             |                    |
| if cost exceeds a new contract will be signed again to renew the case proceedings      |   |          |                             |                    |
| Item No.   | Item                                      | Quantity | Est. Costs (USD\$) Per Unit | Total Cost (USD\$) |
| 1  | EnCase Forensic Version 7.12.01.18        | 3        | 3,500                       | 10,500             |
| 2  | Tableau TD3 Forensic Imager Version 2.0.0 | 3        | 4,000                       | 12,000             |
| 3  | Lab operating cost                        | 2        | 50,000                      | 100,000            |
| 4  | Hard Drives 1TB WD Drives                 | 6        | 100                         | 600                |
| 5  | Crime Scene Documentation Kit             | 6        | 2000                        | 12,000             |
| 6  | Cables, Wiring, Adapters, Power Supply    | 10       | 1000                        | 10,000             |
| 7  | Manpower Cost                             | 4        | 7,500                       | 30,000             |
| 8  | Legal Costs                               | -        | 100,000                     | 100,000            |
| 9  | Transportation                            | -        | 1000                        | 1000               |
| 10   | Miscellaneous Office Supplies             | -        | 100                         | 100                |
| Total Cost   |   |          |                             | \$384,200          |

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## Identifying Data Sources

Based on our Search Warrants, we have identified that the possible Data sources for the following:

- Identity Fraud
- Counterfeiting of US Currency
- Counterfeiting of US Passport

Is in the thumb drive seized.

| Data Sources Identified       |                                    |
|-------------------------------|------------------------------------|
| Data Category                 | Physical Data Source               |
| Counterfeiting of US Currency | 64MB Thumb drive, 32MB Thumb Drive |
| Identity Fraud                | 64MB Thumb drive, 32MB Thumb Drive |
| Counterfeiting of US Passport | 64MB Thumb drive, 32MB Thumb Drive |

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Other Sources that could be considered during imaging of thumb drive.

| Data Sources Identified  |                                   |
|--|-----------------------------------|
| Data Category  | Digital Data sources              |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Emails                            |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Photo Attachments                 |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Text Documents                    |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Instant Messaging                 |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Deleted Files                     |
| Counterfeiting of US Currency, Identity Fraud, Counterfeiting of US Passport | Data hiding through Steganography |

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**Interview with Classmate and Staff**

| <b>Interview Notes</b>   |   |
|--|---|
| <b>Individual Name</b>   |   |
| Michelle Lee   |   |
| <b>Relationship to Suspect</b>   |   |
| Best Friend  |   |
| Date/time  | Location  |
| 2023, December 1 <sup>st</sup> 1300hrs   | Mountain Valley Highschool, 1859 S COLUMBIA LN OREM UT 84097-8131 USA   |
| Question   | Answer  |
| Hello Michelle, this is Eden from the Orem Police Team. As part of the investigation, you will have to provide to me the information about Elvis the hut to be as accurate and truthful as possible.<br><br>Failure to comply or attempts to hide the truth will lead to legal consequences. | Understood, I will answer to the best of my abilities!  |
| What is your relationship with Elvis?  | I am Elvis BFF (Best Friend Forever). I have known him since childhood. We played around the same neighbourhood playground plenty of times. |
| What are the things that Elvis has shared with you on a daily or weekly basis?   | We always talk about the latest pop music like Taylor Swift.<br><br>Like we also exchange plenty of song                                    |

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|  |   |
|--|---|
|  | <p>recommendations.</p> <p>Oh, yea and Elvis likes to talk about his techy things. He calls himself a radical hacktivist that hacks for the freedom of people.</p>  |
| Tell me more about his activities relating to this “hacktivist”? | <p>Totally, Like, after class he would like to go to the computer lab and research thing on the computer.</p> <p>Since our school lab has a policy which remove local files over 1 day of inactivity, we would have to bring our own storage solution to school to save any documents we did on the lab.</p> <p>While I do not know the details of his “hacktivist” he does some hack tricks and questionable things on the computer that looks illegal</p> |
| Where does Elvis store his files after using the school pc?      | <p>Oh, like in his thumb drive, he usually keeps it at his locker room, he does not like to bring much to school.</p> <p>Keeping it minimal yea.</p>  |
| Where is his Locker?   | Oh, like its located at locker door F-10,   |

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|   | His locker is locked with a passcode if I recalled correctly its 0039.<br><br>➤ <a href="#">locker Room</a> |
|---|---|
| Thank you so much for cooperating with Orem Police! | Sure, no problem!   |
| <b>Witness Name</b>                                 | <b>Witness Signature</b>  |
| Amelia Watson                                       | <i>Amelia Watson</i>  |

| <b>Interview Notes</b>   |   |
|--|---|
| <b>Individual Name</b>   |   |
| Ms. Lecia Hope   |   |
| <b>Relationship to Suspect</b>   |   |
| Homeroom Teacher   |   |
| Date/time  | Location  |
| 2023 December 1 <sup>st</sup> 1330hrs  | Mountain Valley Highschool, 1859 S COLUMBIA LN OREM UT 84097-8131 USA   |
| Question   | Answer  |
| Hello Ms. Hope, this is Eden from the Orem Police Team. As part of investigation, you will have to provide to me the information about Elvis the hut to be as accurate and truthful as possible.<br><br>Failure to comply or attempts to hide the truth will lead to legal consequences. | No issues.  |
| What is your relationship with Elvis?  | I am his homeroom teacher assigned for 3 years now.   |
| Tell me about Elvis's behavior in class.   | He comes late on certain days. Sometimes Elvis would reach school early. Elvis is a quiet kid; he rarely interacts with much of the class. He is seen talking with Michelle frequently. |

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| Could you send me his timetable and attendance list?         | Sure absolutely<br>> timetable<br>>attendance  |
|--|--|
| Was there any suspicious activity that Elvis was seen doing? | I overhead that Elvis wanted to be a famous hacktivist in mountain valley high. Recently he has been staying at the computer lab for hours. I overhead from my colleagues there are times he stood back later than the school hours. |
| Is there anything else you would like to add on?             | Nope, that should be all I know to the best of my abilities.   |
| Thank you for cooperating with the Orem police.              | It is a pleasure chatting with you.  |
| Witness Name   | Witness Signature  |
| Amelia Watson  | <i>Amelia Watson</i>   |

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| Interview Notes  |  |
|--|--|
| <b>Individual Name</b>   |  |
| Mr. Donovan Chua   |  |
| <b>Relationship to Suspect</b>   |  |
| System Administrator of the School   |  |
| Date/time  | Location   |
| 2023 December 1 <sup>st</sup> 1345 Hours   | Mountain Valley Highschool, 1859 S COLUMBIA LN OREM UT 84097-8131 USA  |
| Question   | Answer   |
| Hello Mr. Chua, this is Eden from the Orem Police Team. As part of investigation, you will have to provide to me the information about Elvis the hut to be as accurate and truthful as possible.<br><br>Failure to comply or attempts to hide the truth will lead to legal consequences. | Yes, I understand.   |
| What is your relationship to Elvis?  | I am Elvis the hut teacher in charge for the computer lab lessons and modules. I have promoted him to be a teaching assistant due to his proficiency in using the computer as well as his active participation during lessons. |
| How frequently is that?  | Once every three days, he tends to use it for a few hours to complete tasks on the computer.   |
| Was Elvis given any Privileges for being a teaching Assistant?   | He was given drive keys to access the computer. This is because Elvis has  |

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|  |  |
|--|--|
|  | exceptional skills in troubleshooting. We would like him to sharpen his skill further in computing.  |
| Did you notice anything suspicious with Elvis's internet usage behavior?                                       | Besides surfing to websites that are not listed in the education websites. He didn't visit any extremist websites such as terrorism, hate speech and more.                             |
| Could you send me the School Master Floor Plan, Lab Layouts and the labs Elvis visited, Acceptable Use Policy? | Sure, here they are.<br><a href="#">&gt;Master Floor Plan</a><br><a href="#">&gt;Lab Layout</a><br><a href="#">&gt;Labs Elvis Visited</a><br><a href="#">&gt;Acceptable Use Policy</a> |
| Thank you so much for cooperating, we hope to hear you soon.   | Sure, no problem.  |
| <b>Witness Name</b>  | <b>Witness Signature</b>   |
| Amelia Watson  | <i>Amelia Watson</i>   |

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### Forensics Tools

These are the forensics tools and accreditation that verify the suitability for processing the forensics evidence case. We are extremely detailed and dedicated to ensuring that our forensics process meets the highest legal standards and quality.

---

### Hardware Used

1. Tableau TD3 Forensics Imager Version 2.0.0

[Click here.](#)

---

### Software Used

1. EnCase Forensic Version 7.12.01.18

[Click here.](#)

---

### Lab Accreditation

Orem Police Forensics is certified ISO 170255 for forensics Testing,  
We are proudly accredited by the ANSI National Accreditation Board (ANAB). For ISO17025, Forensics Testing.

The accreditation will last till 2026, November 30.

>[Click here](#) to refer to the Accreditation of our labs.

---

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### Duplicator Results

These are the results of the duplicator testing.

#### 64mb Thumb Drive Duplicator Results

----- Start of Tableau TD3 Log Entry -----

Task: Disk to File

Status: Ok

Created: 2023-12-01 15:30

Closed: 2023-12-01 15:40

User: Tableau

Case ID:

IT3563PA201520MEDenWillSngJinXuan

Case Notes:

Duplication of Evidence Drives for ID THEFT

Duplicator serial num: 01d1101a

Duplicator firmware timestamp: Aug 12, 2009, 11:43:33

Duplicator firmware revision: 2.10

Duplicator log ID num: 1

----- Disk-to-File Results -----

# of sectors: 125,034 (64.0MB)

Destination filename convention: Default

Segment size in sectors: 10,159 (5.2 MB)

Segments expected: 14 Segments written: 14.

Filename of first segment: TD2\_IMG/\_MUF-32DB\_S6SCRW2T126072R/IDTHEFT1.001

Total errors: 0

Errors recorded: 0

SHA1: 37540375c5f6cca01f9e47420b3c9d3fa81ed4e8

MD5: fc67dc2a33b568a774cea733e368bac5

----- Source Disk -----

Model: MUF-32DB S/N: S6SCRW2T126072R

Firmware Revision: 04.04V01 Capacity in sectors reported Pwr-ON: 125,034 (64.0MB) Capacity in sectors reported by HPA: 125,034 (64.0MB)

Capacity in sectors reported by DCO: 125,034 (64.0MB)

HPA in use: No

DCO in use: No

---

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### 32mb thumb drive duplicator results

-----Start of Tableau TD3 Log Entry-----

Task: Disk to File

Status: Ok

Created: 2004-06-27 15:05

Closed: 2004-06-27 15:45

User: Tableau

Case ID:

IT3563PA201520MEDenWillSngJinXuan

Case Notes:

Duplicating Evidence Item 1: 32 MB Thumb Drive; Fat32 Partition

Duplicator serial num: 01d1101a

Duplicator firmware timestamp: June 1 2004 11:43:33

Duplicator firmware revision: 3.10

Duplicator log ID num: 7

----- Disk-to-File Results-----

# of sectors: 2,216,000 (32 MB)

Destination filename convention: Default

Segment size in sectors: 160,228 (32 MB)

Segments Expected: 32

Segments written: 32

Filename of first segment: TD3\_IMG/WDCWD1500HLFS01G6UO\_WDWXLY08147051/IDTHEFT2.001

Total errors: 0

Errors recorded: 0

SHA1: 2390770cc9de001ed4c13ecd09e59dbb941707ce

MD5: be05d22f918cfb0e600d578e01f81f1a

-----Source Disk-----

Model: WDC WD1500HLFS-015G6U0

S/N: WD-WXLY0B147051

Firmware Revision: 04.04V01

Capacity in sectors reported Pwr-ON: 7,108,864 (32.0 MB)

Capacity in sectors reported by HPA: 7,108,864 (32.0 MB)

Capacity in sectors reported by DCO: 7,108,864 (32.0 MB)

HPA in use: No

DCO in use: No

-----End of Duplicator-----

---

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### Federated Testing Test Results for Disk Imaging Tool:

#### Tableau TD3 Forensic Imager Version 2.0.0

Tests were Configured for the Following Write Block Scenarios:

1. Large (> 138GB) SATA drive with write blocker built-in to imaging device connected by SATA interface.
2. Large (> 138GB) SATA drive with write blocker built-in to imaging device connected by SATA interface.
3. USB drive with write blocker built-in to imaging device connected by USB interface.

#### Tool Description

Tool Name: Tableau TD3 Forensic Imager Firmware Version:  
2.0.0

Vendor Contact:

Vendor name: Guidance Software Address:  
1055 E. Colorado Blvd.  
Pasadena, CA 91106-2375  
Phone: 866-229-9199  
Web: <https://www.guidancesoftware.com/>

#### Testing Organization

Organization conducting test: Missouri State Public Defender Digital Forensics Lab  
Contact: Kate Davenport  
Authored by: Kate Davenport

This test report was generated using CFTT's Federated Testing Forensic Tool Testing Environment, see [Federated Testing Home Page](#).

#### Results Summary

Tool met expectations for different imaging scenarios successfully.

August 2018      Tableau TD3 Forensic Imager Version 2.0.0

#### Test Environment & Selected Cases

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Hardware:

Tableau TD3 Forensic Imager

FT-LOGS- PNY 32 GB USB

A1 Source Drive- WD Black 500 GB S/N: WX41AB4CL9LF Model: WD5000BPX 00HPJT0

A2 Source Drive- WD Black 500 GB S/N: WX41AB4CLHZ4 Model: WD5000BPX 00HPJT0

A3 Source USB Drive- PNY 32 GB

D2 Destination Drive- Seagate Barracuda 80 GB S/N: 5LRC74XD Model:  
ST3808110AS

Firmware Version: 2.0.0

Federated Testing Version 2

---

### Selected Test Cases

This table presents a brief description of each test case that was performed.

---

---

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*Test Case Status*

| Case           | Description   | Status |
|----------------|---|--------|
| FT-DI-01SATA48 | Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-01SATA48 | Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-01USB    | Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file. | PASSED |

**Test Result Details by Case**

This section presents test results grouped by function.

**FT-DI-01**

**Test Case Description**

Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file.

This test can be repeated to test acquisition of multiple drive types. This test tests the ability of the tool to acquire a specific type of drive (the drive type tested is included in the test case name) to an image file using a specific write blocker (applies only to tools that are used with hardware write blockers) and a certain interface connection between the test computer and the write blocker. The write blocker used and the interface connection between the test computer and the write blocker are listed for each test case in the table below. Two tests are required to test ATA or SATA drives, one to test drives smaller than 138GB (ATA28 & SATA28: 28-bit addressing) and one to test larger drives (ATA48 & SATA48: 48-bit addressing).

**Test Evaluation Criteria**

The hash values computed by the tool should match the reference hash values computed for the source drive.

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August 2018

**Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-01 cases*

| Case            | Src | Blocker (interface)                             | Reference Hash vs Tool Hash |       |
|-----------------|-----|---|-----------------------------|-------|
|                 |     |   | MD5                         | SHA1  |
| FT-DI-01-SATA48 | a1  | write blocker built-in to imaging device (SATA) | match                       | match |
| FT-DI-01-SATA48 | a2  | write blocker built-in to imaging device (SATA) | match                       | match |
| FT-DI-01-USB    | a3  | write blocker built-in to imaging device (USB)  | match                       | match |

**Case Summary**

Results are as expected.

---

## FT-DI-10

**Test Case Description**

Acquire a drive to an image file without enough space for the image file. Test the ability of the tool to notify the user that the image file is incomplete.

**Test Evaluation Criteria**

The tool should issue a message indicating not enough space for the image file.

**Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-10 cases*

| Case     | Message   |
|----------|---|
| FT-DI-10 | Source image is not guaranteed to fit in destination file system. |

**Case Summary**

Results are as expected.

---

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## FT-DI-14

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### **Test Case Description**

Compute the hash value of a drive (without creating an image file). Test the ability to read all data accurately and correctly hash the data.

### **Test Evaluation Criteria**

The hash values computed by the tool should match the reference hash values computed for the source drive.

### **Test Case Results**

The following table presents results for individual test cases.

#### *Test Results for FT-DI-14 cases*

| Case     | Src | Reference Hash vs Tool Hash |       |
|----------|-----|-----------------------------|-------|
|          |     | MD5                         | SHA1  |
| FT-DI-14 | a2  | match                       | match |

### **Case Summary**

Results are as expected.

## Appendix: Additional Details

---

### **Test Drives and Partitions**

The following table presents the state of each source object, drive or partition, including reference hashes and known content.

Both drives and partitions are described in the table. Partitions are indicated in the *Drive* column by the notation **[drive] + [partition number]**. Where **[drive]** is the drive label and **[partition number]** is the

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partition number. For example, the first partition on drive A3 would be A3+1. The type column records either the drive type, e.g. SATA, USB, etc., or the partition type, e.g., NTFS, FAT32, etc., depending on whether a drive or a partition is being described.

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*Test Drives*

| Drive | Type | Content | Sectors             | MD5          | SHA1         | SHA256       | SHA512       |
|-------|------|---------|---------------------|--------------|--------------|--------------|--------------|
| a1    | sata | known   | 976773168 (465GiB)* | A62A5<br>... | EC829<br>... | 33100<br>... | 3EFD8<br>... |
| a2    | sata | known   | 976773168 (465GiB)* | 8FF3A<br>... | D8F8B<br>... | 0C592<br>... | 93B31<br>... |
| a3    | usb  | known   | 61997056 (29GiB)    | 1EA0A<br>... | F95DD<br>... | 45F43<br>... | 17105<br>... |

\* Large 48-bit address drive

**Test Case Admin Details**

For each test run, the test computer, the tester, the source drive, the image file drive, the destination drive, and the date the test was run are listed.

*Test Case Admin Details*

| Case           | User | Host | Blocker (PC interface)                          | Src | Image | Dst  | Date                     |
|----------------|------|------|---|-----|-------|------|--------------------------|
| ft-di-01sata48 | KED  | Td3  | write blocker built-in to imaging device (SATA) | a1  | no    | none | Fri Jul 21 08:32:37 2017 |
| ft-di-01sata48 | KED  | Td3  | write blocker built-in to imaging device (SATA) | a2  | no    | none | Mon Jul 31 08:28:49 2017 |
| ft-di-01usb    | KED  | Td3  | write blocker built-in to imaging device (USB)  | a3  | no    | none | Thu Jul 20 10:42:46 2017 |
| ft-di-10       | KED  | Td3  | N/A   | a2  | d2    | none | Mon Jul 31 05:30:04 2017 |
| ft-di-14       | KED  | Td3  | N/A   | a2  | none  | none | Mon Jul 24 11:22:19 2017 |

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### Test Setup & Analysis Tool Versions

Version numbers of tools used are listed.

#### Setup & Analysis Tool Versions

|   |
|---|
| cftt-di Version 1.20 created 07/05/16 at 14:56:34         |
| cftt-di Version 1.19 created 06/02/16 at 11:27:15         |
| diskwipe.c Linux Version 1.5 Created 03/20/13 at 14:23:34 |

Tool: @(#) ft-di-prt\_test\_report.py Version 1.20 created 07/05/16 at 14:57:20

OS: Linux Version 3.2.0-51-generic

Federated Testing Version 2, released 6/30/2017

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## Federated Testing Test Results for Disk Imaging Tool:

### EnCase Forensic Version 7.12.01.18

Tests were Configured for the Following Write Block Scenarios:

Large (> 138GB) SATA drive with Tableau T35u connected to PC by USB interface

Large (> 138GB) SATA drive with Tableau T35u connected to PC by USB interface

### Tool Description

Tool Name: EnCase Forensic Tool Version:

7.12.01.18 Operating System: Windows 8.1

Vendor Contact:

Vendor name: Guidance Software  
Address: 1055 E. Colorado Blvd.  
Pasadena, CA 91106-2375  
Phone: 866-229-9199  
Web: <https://www.guidancesoftware.com/>

### Testing Organization

Organization conducting test: Missouri State Public Defender Digital Forensics Lab

Contact: Kate Davenport

Authored by: Kate Davenport

This test report was generated using CFTT's Federated Testing Forensic Tool Testing Environment, see [Federated Testing Home Page](#).

### Results Summary

The tool met expectations for different imaging scenarios successfully. One notable finding was observed. When a partition with an NTFS file system was acquired (test FTDI-05-NTFS), the acquisition hashes created by EnCase did not match the reference hashes for the partition. However, when the image file was rehashed omitting the partition slack, the hash matched the reference hash for the acquired NTFS file system. EnCase acquired the file system and its contents completely, but not the partition slack.

### Test Environment & Selected Cases

Hardware:

Freddie-Dell Inspiron 7737

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Workstation B- Lenovo ThinkStation P510 Signature Edition

FT-LOGS- PNY 32 GB USB & Patriot 256 GB USB

A1 Source Drive- WD Black 500 GB S/N: WX41AB4CL9LF Model: WD5000BPKX00HPJTO

A2 Source Drive- WD Black 500 GB S/N: WX41AB4CLHZ4 Model: WD5000BPKX00HPJTO

A4 Source Drive- WD Caviar 250 GB S/N: WMART1348638 Model: WD2500AAJS00VTA0

A5 Source Drive- WD Caviar 250 GB S/N: WMART1348638 Model: WD2500AAJS00VTA0

D2 Destination Drive- Seagate Barracuda 80 GB S/N: 5LRC74XD Model:  
ST3808110AS

Operating System: Windows 8.1

Software: EnCase Forensic 7.12.01.18

#### Write Blockers Used in Testing

| Blocker Model | Firmware Version |
|---------------|------------------|
| Tableau T35u  | 7.17             |

Federated Testing Version 1.1

#### Selected Test Cases

This table presents a brief description of each test case that was performed.

#### Test Case Status

| Case           | Description   | Status |
|----------------|---|--------|
| FT-DI-01SATA48 | Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-01SATA48 | Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file. | PASSED |

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|                |  |        |
|----------------|--|--------|
| FT-DI-05FAT32  | Acquire partition of a given type to an image file and compute selected hashes for the acquired data. Test the ability to read a given partition type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-05NTFS   | Acquire partition of a given type to an image file and compute selected hashes for the acquired data. Test the ability to read a given partition type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-05NTFS-2 | Acquire partition of a given type to an image file and compute selected hashes for the acquired data. Test the ability to read a given partition type accurately and correctly hash the data while creating an image file. | PASSED |
| FT-DI-10       | Acquire a drive to an image file without enough space for the image file. Test the ability of the tool to notify the user that the image file is incomplete.   | PASSED |
| FT-DI-13       | Compute the hash value of the acquired data within an image file. Test the ability of the tool to recompute the hash of an existing image file.  | PASSED |
| FT-DI-14       | Compute the hash value of a drive (without creating an image file). Test the ability to read all data accurately and correctly hash the data.  | PASSED |

### Test Result Details by Case

This section presents test results grouped by function.

#### FT-DI-01

##### *Test Case Description*

Acquire drive of a given type using a given write blocker connected to a computer with a given interface to an image file and compute selected hashes for the acquired data. Test the ability to read a given drive type accurately and correctly hash the data while creating an image file.

This test can be repeated to test acquisition of multiple drive types. This test tests the ability of the tool to acquire a specific type of drive (the drive type tested is included in the test case name) to an image file using a specific write blocker (applies only to tools that are used with hardware write blockers) and a certain interface connection between the test computer and the write blocker. The write blocker used and the interface connection between the test computer and the write blocker are listed for each test case in the table below. Two tests are required to test ATA or SATA drives, one to test drives smaller than 138GB (ATA28 & SATA28: 28-bit addressing) and one to test larger drives (ATA48 & SATA48: 48-bit addressing).

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***Test Evaluation Criteria***

The hash values computed by the tool should match the reference hash values computed for the source drive.

**Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-01 cases*

| Case            | Src- | Blocker (interface) | Reference Hash vs Tool Hash |       |
|-----------------|------|---------------------|-----------------------------|-------|
|                 |      |                     | MD5                         | SHA1  |
| FT-DI-01-SATA48 | a1   | Tableau T35u (USB)  | match                       | match |
| FT-DI-01-SATA48 | a2   | Tableau T35u (USB)  | match                       | match |

**Case Summary**

Results are as expected.

**FT-DI-05**

***Test Case Description***

Acquire partition of a given type to an image file and compute selected hashes for the acquired data. Test the ability to read a given partition type accurately and correctly hash the data while creating an image file.

***Test Evaluation Criteria***

The hash values computed by the tool should match the reference hash values computed for the source drive.

**Test Case Results**

The following table presents results for individual test cases

*Test Results for FT-DI-05 cases*

| Case            | Src  | Reference Hash vs Tool Hash |       |
|-----------------|------|-----------------------------|-------|
|                 |      | MD5                         | SHA1  |
| FT-DI-05-FAT32  | a4+1 | match                       | match |
| FT-DI-05-NTFS   | a4+2 | Match                       | match |
| FT-DI-05-NTFS-2 | a5+2 | match                       | n/a   |

**Anomalies**

The following table lists any observed anomalies and provides additional details.

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*Test Anomalies for FT-DI-05 cases*

| Case                      | Anomaly  |
|---------------------------|--|
| FT-DI-05-NTFS             | <b>Tool MD5 and SHA1 do not match reference hashes</b> |
| FT-DI-05-NTFS MD5 ref     | 15942BBA33AD9487AC5EA7CF335C97F2                       |
| FT-DI-05-NTFS MD5 ref-FS  | 364D5EC8B6B49C754332A6E0969C4825                       |
| FT-DI-05-NTFS MD5 tool    | 01568D5B8E5E2E52AD9CF1953C5C4740                       |
| FT-DI-05-NTFS SHA1 ref    | 382AB1CAB5E62AE2703DE7BA89A5FFE5686AD31C               |
| FT-DI-05-NTFS SHA1 ref-FS | FE92972A356D4717672B3CFFEA7C135A22F198E4               |
| FT-DI-05-NTFS SHA1 tool   | 289E1D16518F97599C68230FEF45666A4C07B89E               |

**Case Summary**

Results are as expected.

In test FT-DI-05-NTFS when EnCase was used to acquire an NTFS partition, the acquisition hashes created by EnCase did not match the reference hashes for the partition. However, when the image file was rehashed omitting the partition slack, test FT-DI-05NTFS-2, the hash matched the reference hash for the acquired NTFS file system. These findings show that EnCase acquired the file system and its contents completely, but not the partition slack. This should be noted if using EnCase to acquire an NTFS partition.

## FT-DI-10

**Test Case Description**

Acquire a drive to an image file without enough space for the image file. Test the ability of the tool to notify the user that the image file is incomplete.

**Test Evaluation Criteria**

The tool should issue a message indicating not enough space for the image file.

**Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-10 cases*

| Case     | Message   |
|----------|---|
| FT-DI-10 | The target drive must be at least 465.8 GB. Truncate the restore by 391.3 GB? |

**Case Summary**

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Results are as expected.

### **FT-DI-13**

#### ***Test Case Description***

Compute the hash value of the acquired data within an image file. Test the ability of the tool to recompute the hash of an existing image file.

#### ***Test Evaluation Criteria***

The hash values computed by the tool should match the reference hash values computed for the source drive.

#### **Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-13 cases*

| Case     | Src | Reference Hash vs Tool Hash |       |
|----------|-----|-----------------------------|-------|
|          |     | MD5                         | SHA1  |
| FT-DI-13 | a1  | match                       | match |

#### **Case Summary**

Results are as expected.

### **FT-DI-14**

#### ***Test Case Description***

Compute the hash value of a drive (without creating an image file). Test the ability to read all data accurately and correctly hash the data.

#### ***Test Evaluation Criteria***

The hash values computed by the tool should match the reference hash values computed for the source drive.

#### **Test Case Results**

The following table presents results for individual test cases.

*Test Results for FT-DI-14 cases*

| Case     | Src | Reference Hash vs Tool Hash |       |
|----------|-----|-----------------------------|-------|
|          |     | MD5                         | SHA1  |
| FT-DI-14 | a1  | match                       | match |

#### **Case Summary**

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Results are as expected.

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**Forensics Lab Accreditation for Orem Police Forensics Lab**



**CERTIFICATE OF ACCREDITATION**

**The ANSI National Accreditation Board**

Hereby attests that

**Orem Police Forensics Lab**

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**ISO/IEC 17025:2017**

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In the field of

**Forensic Testing**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

[Redacted]

Expiry Date: 30 November 2026  
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Evidence Worksheet A-2

|   |   |                       |            |
|---|---|-----------------------|------------|
| <b>Case Number:</b>                     | IT3563PA201520M                                     | <b>Exhibit Number</b> | A-2        |
| <b>Laboratory Number:</b>               | #98765  | <b>Control Number</b> | #88666     |
| <b>Hard Drive #1 Label Information:</b> |   |                       | ID Theft 1 |
| <b>Manufacturer:</b>                    | SanDisk   |                       |            |
| <b>Model</b>                            | SanDisk Ultra Dual Drive Go USB Type-C 64MB - Black |                       |            |
| <b>Serial Number</b>                    | SD64-tZMjqFVeA/4JASHUpyPg                           |                       |            |
| <b>Capacity</b>                         | 64mb  |                       |            |
| <b>Heads</b>                            | -   |                       |            |
| <b>Cylinders</b>                        | -   |                       |            |
| <b>Sectors</b>                          | 126,688   |                       |            |

|   |
|---|
| <b>Hard Drive #1 Parameter Information</b>  |
| <b>Image of Harddrive seized</b>  |
|  |
| <b>Software Used for Disk Extraction</b>  |

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| EnCase Forensic Version 7.12.01.18 |                  |                                 |                 |       |
|------------------------------------|------------------|---------------------------------|-----------------|-------|
| <b>Capacity:</b>                   | <b>Cylinder:</b> | <b>Heads</b>                    | <b>Sectors:</b> |       |
| 64 MB                              | -                | -                               | 126,688         |       |
| <b>LBA Addressable Sectors</b>     | -                | <b>Formatted Drive Capacity</b> | 61.9 Mb         |       |
| <b>Volume Label</b>                |                  |                                 |                 |       |
| BEEFEDUP                           |                  |                                 |                 |       |
| Partitions                         |                  |                                 |                 |       |
| Name                               | Bootable         | Start                           | End             | Type  |
| BEEFUP                             | Yes              | 0                               | 126.688         | FAT32 |

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Evidence Worksheet A-3

**Evidence Worksheet A-3**

|   |  |                       |        |
|---|--|-----------------------|--------|
| <b>Case Number:</b>                     | IT3563PA201520M  | <b>Exhibit Number</b> | A-3    |
| <b>Laboratory Number:</b>               | #98765   | <b>Control Number</b> | #88779 |
|   |  |                       |        |
| <b>Hard Drive #1 Label Information:</b> | DAY2 MWF   |                       |        |
| <b>Manufacturer:</b>                    | Samsung  |                       |        |
| <b>Model</b>                            | Samsung MUF-256DA/APC USB Type-C 32MB Flash Drive - Blue |                       |        |
| <b>Serial Number</b>                    | SD32-ve9wvuqi'PJiKiYwL/u6                                |                       |        |
| <b>Capacity</b>                         | 32mb   |                       |        |
| <b>Heads</b>                            | -  |                       |        |
| <b>Cylinders</b>                        | -  |                       |        |
| <b>Sectors</b>                          | 44,288   |                       |        |
|   |  |                       |        |

**Hard Drive #1 Parameter Information**

**Image of Harddrive seized**

|  |
|--|
|  |
|--|

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#### Software Used for Disk Extraction

EnCase Forensic Version 7.12.01.18

| Capacity:               | Cylinder: | Heads                    | Sectors: |
|-------------------------|-----------|--------------------------|----------|
| 32 MB                   | -         | -                        | 44.288   |
| LBA Addressable Sectors | -         | Formatted Drive Capacity | 21.6MB   |
| Volume Label            |           |                          |          |
| WIN 2K                  |           |                          |          |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

Date of Report: 2023-Dec-01

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| Partitions |          |       |        |      |
|------------|----------|-------|--------|------|
| Name       | Bootable | Start | End    | Type |
| WIN 2K     | Yes      | 0     | 44,288 | NTFS |

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Evidence Worksheet A-3

**Evidence Worksheet A-3**

|   |  |                       |        |
|---|--|-----------------------|--------|
| <b>Case Number:</b>                     | IT3563PA201520M  | <b>Exhibit Number</b> | A-3    |
| <b>Laboratory Number:</b>               | #98765   | <b>Control Number</b> | #88779 |
|   |  |                       |        |
| <b>Hard Drive #1 Label Information:</b> | DAY2 MWF   |                       |        |
| <b>Manufacturer:</b>                    | Samsung  |                       |        |
| <b>Model</b>                            | Samsung MUF-256DA/APC USB Type-C 32MB Flash Drive - Blue |                       |        |
| <b>Serial Number</b>                    | SD32-ve9wvuqi'PjIKiYwL/u6                                |                       |        |
| <b>Capacity</b>                         | 32mb   |                       |        |
| <b>Heads</b>                            | -  |                       |        |
| <b>Cylinders</b>                        | -  |                       |        |
| <b>Sectors</b>                          | 44,288   |                       |        |
|   |  |                       |        |

**Hard Drive #1 Parameter Information**

**Image of Harddrive seized**

|  |
|--|
|  |
|--|

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#### Software Used for Disk Extraction

EnCase Forensic Version 7.12.01.18

| Capacity:               | Cylinder: | Heads                    | Sectors: |
|-------------------------|-----------|--------------------------|----------|
| 32 MB                   | -         | -                        | 44.288   |
| LBA Addressable Sectors | -         | Formatted Drive Capacity | 21.6MB   |
| Volume Label            |           |                          |          |
| WIN 2K                  |           |                          |          |

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| Partitions |          |       |        |      |
|------------|----------|-------|--------|------|
| Name       | Bootable | Start | End    | Type |
| WIN 2K     | Yes      | 0     | 44,288 | NTFS |

**Chain of Custody Form**

|  |   |  |
|--|---|--|
| <b>Evidence Custody Form</b>   |   | 1. Case Control Number:<br>IT3563PA201520M |
| <b>Evidence Received Form</b>  |   |  |
| 2.(Full Name):<br><br>Kravitz the Hut  | 3. (Full Address):<br><br>875 S OREM BLVD STE 1 OREM UT 84058-5024 USA              |  |
| 4. Primary Phone<br>(801)783-3646  | 5. Secondary Phone:<br><br>None   |  |
| 6. Email<br>KravitzH@hotmail.com   | 7. Date/Time<br>1200hrs   |  |
| 8. Purpose<br>Seizure of thumb drive that is suspected of containing evidence of identity fraud, counterfeiting of currency and counterfeiting passport. | 9. Comments<br>Kravitz the hut complied with us; the thumb drive is black in color. |  |

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| 10. Item Number<br>1) IT3563-64MB-TD-Elvis  | 11. Tag Number<br>#88666   |                         |   |  |  |
|---|--|-------------------------|---|--|--|
| 12. Description<br>Black SanDisk Thumb drive with 64mb Capacity.<br>Was found on Elvis the hut bedroom. |  |                         |   |  |  |
| Releasing Person (if available)<br>13. Printed Name:<br>Kravitz the Hut                                 | Person Taking Initial Custody:<br>15. Printed Name:<br>Eden Will Sng Jin Xuan                      |                         |   |  |  |
| 14. Signature:<br>     | 16. Signature<br> |                         |   |  |  |
| 17. Chain of Custody  |  |                         |   |  |  |
| Item #  | Tag #  | Date/Time               | Released By   | Received By  | Purpose  |
| 1)IT3563-<br>64MB-<br>TD-Elvis  | #88666   | 2023<br>December<br>1st | Kravitz the Hut   | Eden Will Sng Jin<br>Xuan  | Seizure of<br>Evidence<br>belonging to<br>Elvis the Hut  |
|   |  |                         | -   | Orem Police<br>Forensics Lab   |  |
|   |  |                         |  |  |  |
| 1)IT3563-<br>64MB-<br>TD-Elvis  | #88666   | 2023<br>December<br>1st | Eden Will Sng Jin<br>Xuan   | Amelia Watson  | Handover to<br>Amelia to safely<br>Transport the<br>evidence back to<br>Orem Police<br>Forensics Lab |
|   |  |                         | Orem Police<br>Forensics Lab  | Orem Police  |  |
|   |  |                         |  |  |  |
| 1)IT3563-<br>64MB-<br>TD-Elvis  | #88666   | 2023<br>December<br>2nd | Amelia Watson   | Eden Will Sng Jin<br>Xuan  | Retrieve<br>Evidence from<br>Evidence Vault<br>from Emily to<br>allow for imaging                    |
|   |  |                         | Orem Police   | Orem Police<br>Forensics Lab   |  |

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|                                |        |                         | <i>Amelia</i>                | <i>Eden</i>                  | of the Evidence  |
|--------------------------------|--------|-------------------------|------------------------------|------------------------------|--|
| 1)IT3563-<br>64MB-<br>TD-Elvis | #88666 | 2023<br>December<br>2nd | Eden Will Sng Jin<br>Xuan    | Amelia Watson                | Return of the<br>Original<br>Evidence back to<br>Emily after<br>imaging is<br>completed.                       |
|                                |        |                         | Orem Police<br>Forensics Lab | Orem Police                  |  |
|                                |        |                         | <i>Eden</i>                  | <i>Amelia</i>                |  |
| 1)IT3563-<br>64MB-<br>TD-Elvis | #88666 | 2023<br>December<br>7th | Amelia Watson                | Eden Will Sng Jin<br>Xuan    | Collection of<br>Evidence to be<br>brought to the<br>district court as<br>exhibits to the<br>forensics report. |
|                                |        |                         | Orem Police                  | Orem Police<br>Forensics Lab |  |
|                                |        |                         | <i>Amelia</i>                | <i>Eden</i>                  |  |

#### 18. Final disposition

Action Taken:

None, Courts proceeding is still being carried out.

| Receiving Person or Destruction Witness  |  |
|--|--|
| Full Name<br>Gwen Chan   | Full Address<br>645 N 100 W APT E OREM UT 84057-3967 USA |
| Primary Phone<br>(801)898-7654   | Secondary Phone<br>(801) 810-1234                        |
| Email<br>Gwen@orempolice.us  | Date/Time<br>2023, December 7                            |
| Comments<br><br>Oversee the safe storage of the<br>evidence for the 64mb Thumb<br>drive. | Signature:<br><br><i>Gwen</i>                            |

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**Chain of Custody Form**

|  |   |
|--|---|
| <b>Evidence Custody Form</b>   |   |
| 1. Case Control Number:<br>IT3563PA201520M   |   |
| <b>Evidence Received Form</b>  |   |
| 2.(Full Name):<br>Michelle Lee   | 3. (Full Address):<br>1506 W 400 S OREM UT 84058-5226 USA   |
| 4. Primary Phone<br>(801)678-5678  | 5. Secondary Phone:<br>None   |
| 6. Email<br><a href="mailto:MichelleLee@mvhs.edu.us">MichelleLee@mvhs.edu.us</a>   | 7. Date/Time<br>2023 December 1 <sup>st</sup> , 15 00 Hours   |
| 8. Purpose<br><br>Seizure of thumb drive that is suspected of containing evidence of identity fraud, counterfeiting of currency and counterfeiting passport. | 9. Comments<br><br>Thumb drive was found in Elvis the Hut Locker after being shared by Michelle Lee that Elvis the hut usually stores his electronics in his personal Locker. |
| 10. Item Number<br>1) IT3563-32MB-TD-Elvis   | 11. Tag Number<br>#88779  |
| 12. Description  |   |
| Releasing Person (if available)  | Person Taking Initial Custody:  |
|  | 15. Printed Name:   |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

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| 13. Printed Name:                  |        | Eden Will Sng Jin Xuan   |   |  |  |
|------------------------------------|--------|--|---|--|--|
| 14. Signature:                     |        | 16. Signature<br> |   |  |  |
| 17. Chain of Custody               |        |  |   |  |  |
| Item #                             | Tag #  | Date/Time  | Released By   | Received By  | Purpose  |
| 1)<br>IT3563-<br>32MB-<br>TD-Elvis | #88779 | 2023<br>December<br>1st  | Michelle Lee  | Eden Will Sng Jin<br>Xuan  | Seizure of<br>Evidence<br>belonging to<br>Elvis the Hut  |
|                                    |        |  | Mountain Valley High<br>School  | Orem Police<br>Forensics Lab   |  |
|                                    |        |  |    |    |  |
| 1)<br>IT3563-<br>32MB-<br>TD-Elvis | #88779 | 2023<br>December<br>1st  | Eden Will Sng Jin<br>Xuan   | Amelia Watson  | Handover to<br>Amelia to<br>safely<br>Transport the<br>evidence back<br>to Orem<br>Police<br>Forensics Lab |
|                                    |        |  | Orem Police<br>Forensics Lab  | Orem Police  |  |
|                                    |        |  |  |  |  |
| 1)<br>IT3563-<br>32MB-<br>TD-Elvis | #88779 | 2023<br>December<br>2nd  | Amelia Watson   | Eden Will Sng Jin<br>Xuan  | Retrieve<br>Evidence<br>from<br>Evidence<br>Vault from<br>Emily to allow<br>for imaging of<br>the Evidence |
|                                    |        |  | Orem Police   | Orem Police<br>Forensics Lab   |  |
|                                    |        |  |  |  |  |
| 1)<br>IT3563-<br>32MB-<br>TD-Elvis | #88779 | 2023<br>December<br>2nd  | Eden Will Sng Jin<br>Xuan   | Amelia Watson  | Return of the<br>Original<br>Evidence back<br>to Emily after<br>imaging is<br>completed.                   |
|                                    |        |  | Orem Police<br>Forensics Lab  | Orem Police  |  |

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|                                    |        |                         |               |                              |  |
|------------------------------------|--------|-------------------------|---------------|------------------------------|--|
|                                    |        |                         | <i>Eden</i>   | <i>Amelia</i>                |  |
| 1)<br>IT3563-<br>32MB-<br>TD-Elvis | #88779 | 2023<br>December<br>7th | Amelia Watson | Eden Will Sng Jin<br>Xuan    | Collection of<br>Evidence to<br>be brought to<br>the district<br>court as<br>exhibits to<br>the forensics<br>report. |
|                                    |        |                         | Orem Police   | Orem Police<br>Forensics Lab |  |
|                                    |        |                         | <i>Amelia</i> | <i>Eden</i>                  |  |

18. Final disposition

Action Taken:

None, Courts proceeding is still being carried out.

Receiving Person or Destruction Witness

|  |  |
|--|--|
| Full Name<br>Gwen Chan   | Full Address<br>645 N 100 W APT E OREM UT 84057-3967 USA |
| Primary Phone<br>(801)898-7654   | Secondary Phone<br>(801) 810-1234                        |
| Email<br>Gwen@orempolice.us  | Date/Time<br>2023, December 7                            |
| Comments<br><br>Oversee the safe storage of the<br>evidence for the 64mb Thumb<br>drive. | Signature:<br><br><i>Gwen</i>                            |

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**Examiner Note [Evidence Collection]**

*2023, December 1<sup>st</sup>*

*09 00 Hours*

Breaking News rang across the news outlet on NBC, CBS, ABC and Fox News Networks.  
Elvis the Hut was arrested by Orem Police on suspicions of Identity Fraud and Currency Counterfeiting.

*2023, December 1<sup>st</sup>*

*10 00 Hours*

The forensics lab was notified of Elvis the Hut arrest on suspicion of identity fraud.  
Case Agent, Xavier Augustine has notified the Forensics Lab Team of Orem Police of the case brief and situation.

>Case Brief Meeting Notes

*2023, December 1<sup>st</sup>*

*10 15 Hours*

The forensics team, Gwen Chan, has then requested that I should represent the Orem Police in the criminal court due to my experience. As such, Gwen Chan has filed a request for me to handle the Expert Witness in the criminal court.

*2023, December 1<sup>st</sup>*

*10 30 Hours*

Based on the case brief provided by Xavier Augustine. We are told that Elvis the Hut has left possible evidence in his home and at the school compound. The Evidence that was suspected were stored in thumb drives.

To allow for searching of Elvis the Hut and school properties, Xavier Augustine has filed and claimed a search warrant from the district court.

>Search Warrant

*2023, December 1<sup>st</sup>*

*11 00 Hours*

With the search warrant received, Gwen Chan has signed a forensics request form granting me authorization to work on the evidence that will be seized.

>Forensics Request Form

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2023, December 1<sup>st</sup>

11 30 Hours

I prepared my Forensics Field Kit and gear to head over to Elvis the Hut house. My team at the criminal investigator case joined me in my search warrant. This is to ensure Elvis the Hut would be corporate with the Orem police nicely.

In my forensics kit I have prepared the following to ensure that the search process is complete

>forensics Field Kit

2023, December 1<sup>st</sup>

12 00 Hours

I and my team Reached Elvis house, here is the documentation of his house.

>Elvis the hut house

as I and my team had a search warrant. Elvis the hut and family are present at the site to cooperate with us.

Before entering the house, I and my team verified that all our necessary documentation was completed and ready. We wear gloves to ensure no contamination to the crime scene is made.

We searched around Elvis the hut room.

>the room.

Here I found a thumb drive that is suspected of containing evidence.

>exhibit A-2

The evidence is photographed at the scene where it was found. Kravitz the hut, Elvis the hut father, has released the thumb drive for us to inspect. Next, I signed my chain of custody form with Kravitz the hut which contains the 64mb Thumb Drive:

>Chain of Custody Form

The thumb drive is carefully picked up with gloves and placed in a faraday bag. The faraday bag is protected from fire, water, electrical damage, as well as fall protection and tampering.

It will be transported to Orem Police Forensics laboratory for further evaluation.

Our laboratory is ISO17025 Certified for Forensics Testing

>ISO17025 Accreditation

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Finally, I passed over the chain of custody to my colleague, Amelia who would safely transport back the evidence to Orem Police Forensics Lab into the Evidence Vault.

This ensures an audit trail is established.

*2023, December 1<sup>st</sup>*

*12 30 Hours*

A separate search warrant was granted for the search of Elvis the hut school compound.

Here is the search warrant.

>search warrant Mountain Valley Highschool

Before entering the school, a photograph is taken outside the school.

>mountain valley High school

We checked our authorization for the search warrant and the forensics request form.  
Once completed we wear our gloves before heading into the school

---

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2023, December 1<sup>st</sup>

13 00 Hours

When we reached the school compound, I first interview Ms. Lecia Hope, Elvis's Homeroom Teacher. We interviewed Elvis the Hut Close friend Michelle. Subsequently I also interviewed the School System Administrator, Mr. Chua, in more detail.

>Interview Notes, Ms. Lecia Hope, Home Room Teacher  
>Interview Notes Michelle Lee, Best Friend  
>Interview Notes, Mr. Donovan Chua, System Administrator

Based on the sharing I have gathered the possible places where Elvis has hidden the evidence.

Which is the following:

1. Computer Lab
2. Homeroom
3. Locker

Moreover, I have obtained the computer acceptance use policy, Elvis's attendance, and Elvis timetable from the interview questions.

2023, December 1<sup>st</sup>

1400hr

During my search of the computer lab, it did not have any important leads.

Moreover, the school policy has stated the clearing of user sessions after each user usage. Therefore, no leads were made about evidence relating to Elvis the hut.

>computer lab documentation

Lastly based on Michelle interview, Elvis does use his locker. As such Michelle has agreed to allow us to view the locker of Elvis.

Here we found Elvis the hut thumb drive hidden inside the locker.

>locker room Elvis the hut.

First, I took a photo of the evidence then I ensured my gloves were clean before packing the evidence. I packed the thumb drive in a faraday bag which protects the thumb drive from physical damage, water damage, fire damage and electrical damage.

I completed the chain of custody form with Michelle. Afterwards, the chain of custody was handed over to my colleague Amelia to be brought back to the forensics evidence vault for safe keeping.

The evidence is protected from fire, water, electrical discharge, internet access. The evidence is safely transported back to the Orem Forensics Police lab.

---

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**Examiner Note [Acquisition]**

2023, December 1<sup>st</sup>

1500hr

I reached back to my forensics lab. First, I retrieved the original evidence from the evidence vault storage. Amelia will then release the original evidence of the 64mb Thumb Drive and the 32 mb Thumb drives. Amelia will also hand the chain of custody to me for the time I would need to duplicate the original evidences into duplicated copies.

Firstly, I retrieved the test reports done by our Third Party Vendors on our hardware tools and software tools. This ensures that my tools are certified for legal forensics investigation.

Here are the results:

>Tableau Forensics Imager TD3 Duplicator Results  
>Encase Forensics V7.12.0.1 Results.

To supplement the results, we have gathered on our hardware and software tools,

Orem police Lab is certified suitable for forensic testing:

>17025 Accreditation

Afterwards, I bought 6 new hard drives and wiped the hard drive using Tableau TD3 Duplicator. This ensures the drive is uncontaminated when cloned.

I attached the SATA and power cable of the wiped drive to TD3 duplicator to commence the duplication of the thumb drive. Afterwards, I duplicated the original evidence of the 64 mb thumb drive and the 32 mb thumb drive into 2 hard drives simultaneously.



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Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

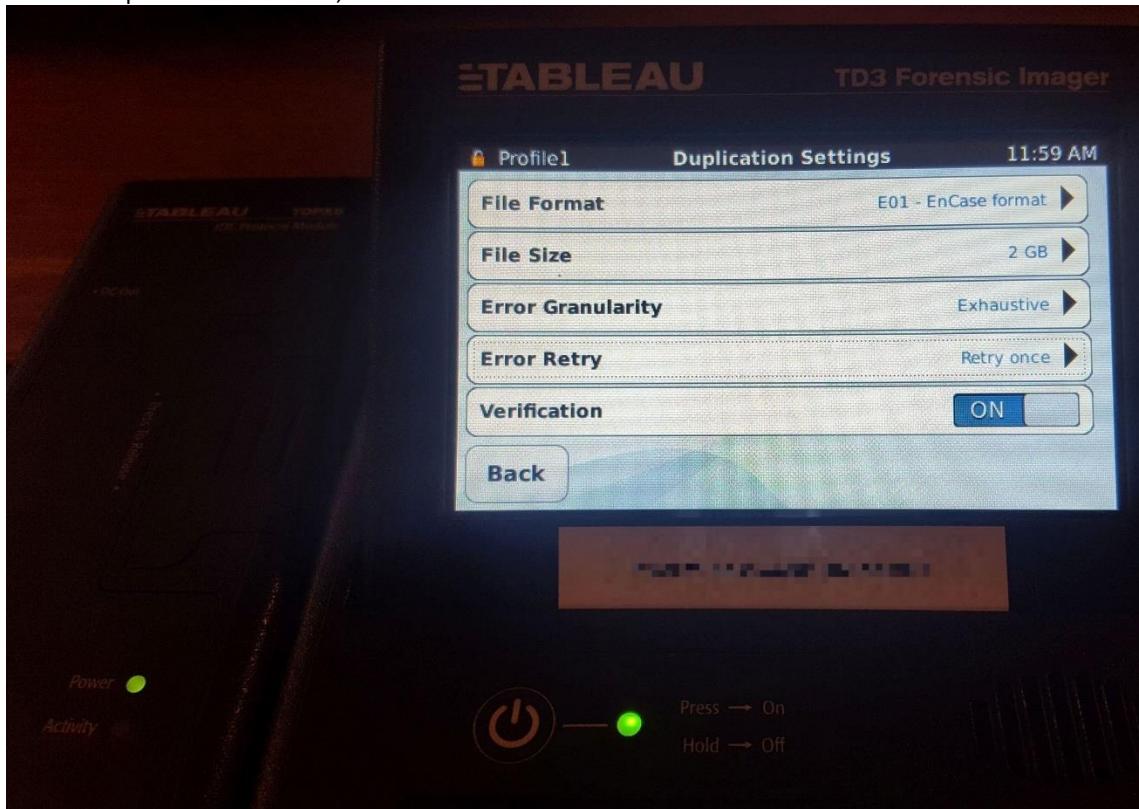
Date of Report: 2023-Dec-01

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Set the output file to be in E01, this is in Encase format.



Run the TD3 Duplicator and let it duplicate the files

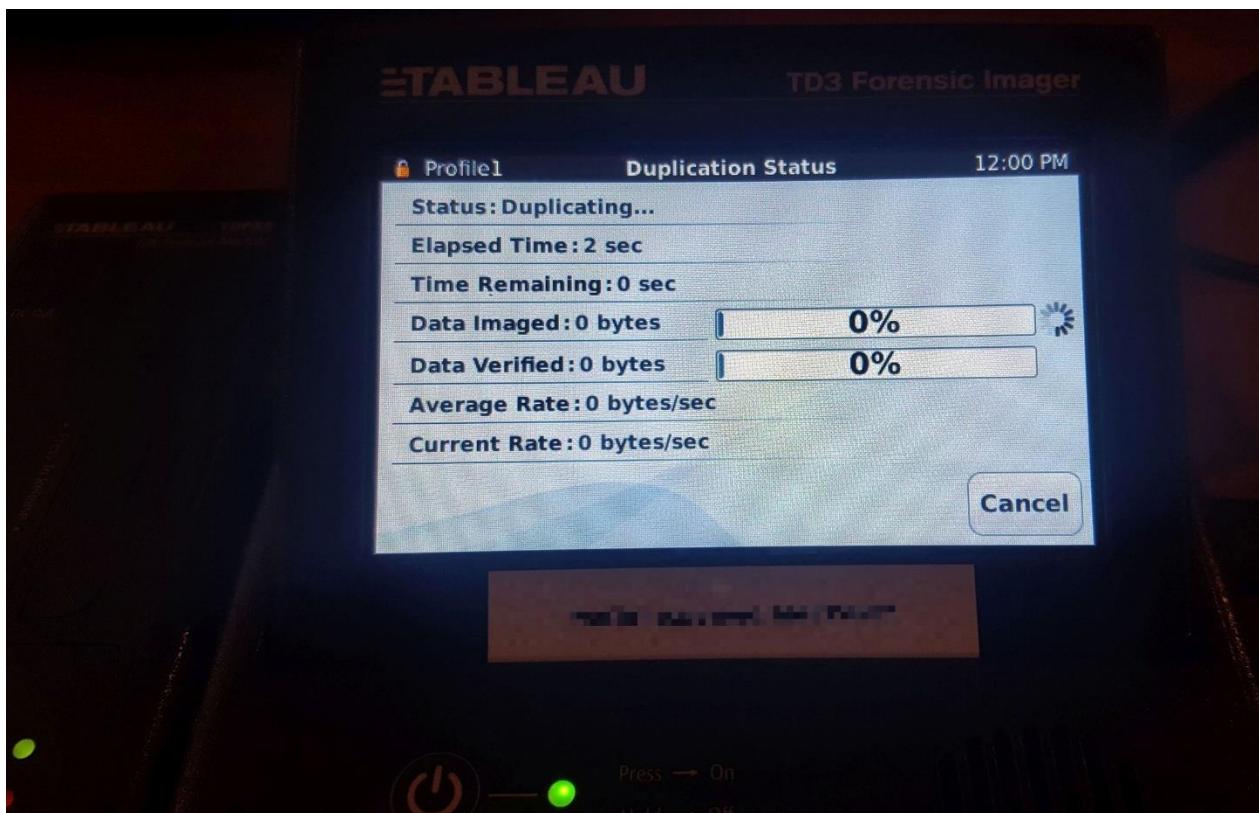
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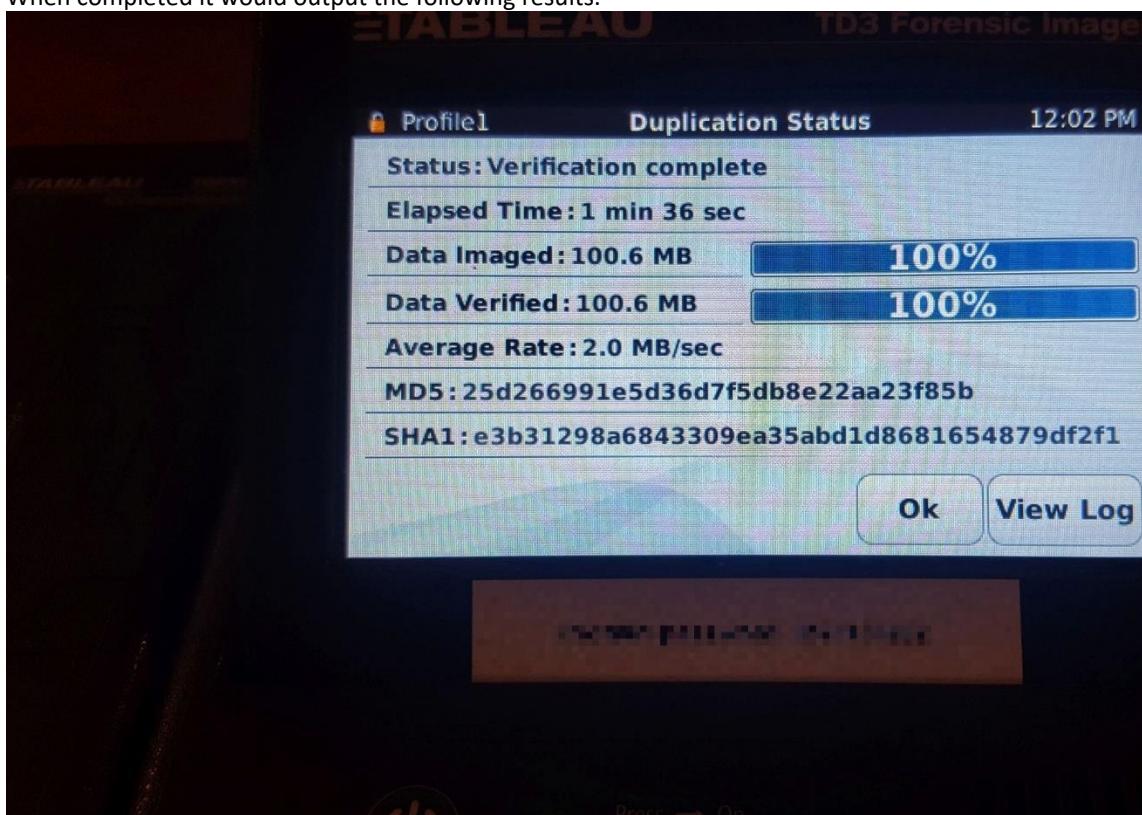
Date of Report: 2023-Dec-01

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When completed it would output the following results.



Here it outputs the hash values which is the disk images, and the time it takes to duplicate.

During the duplication, I am confident that there was no tampering of data done. This can be verified by the TD3 duplicator logs for the 64mb and the 32mb thumb drives

>TD3 Duplicator logs

The images produced are.

64 MB Thumb drive:

> ID THEFT 1.E01

32 MB Thumb drive:

> ID THEFT 2.E01

2023, December 1st

1600hrs

Once duplication is completed and verified with the Duplicator logs. I returned the original evidence to Amelia. Amelia will then ensure the original evidence is safely stored in the evidence vault of Orem Police Forensics Lab. During this process the chain of custody is handed back to Amelia.

This concludes the office hours of my Data acquisition of my forensics report. I will continue the findings on 2023

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

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December 2<sup>nd</sup>.

---

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

Date of Report: 2023-Dec-01

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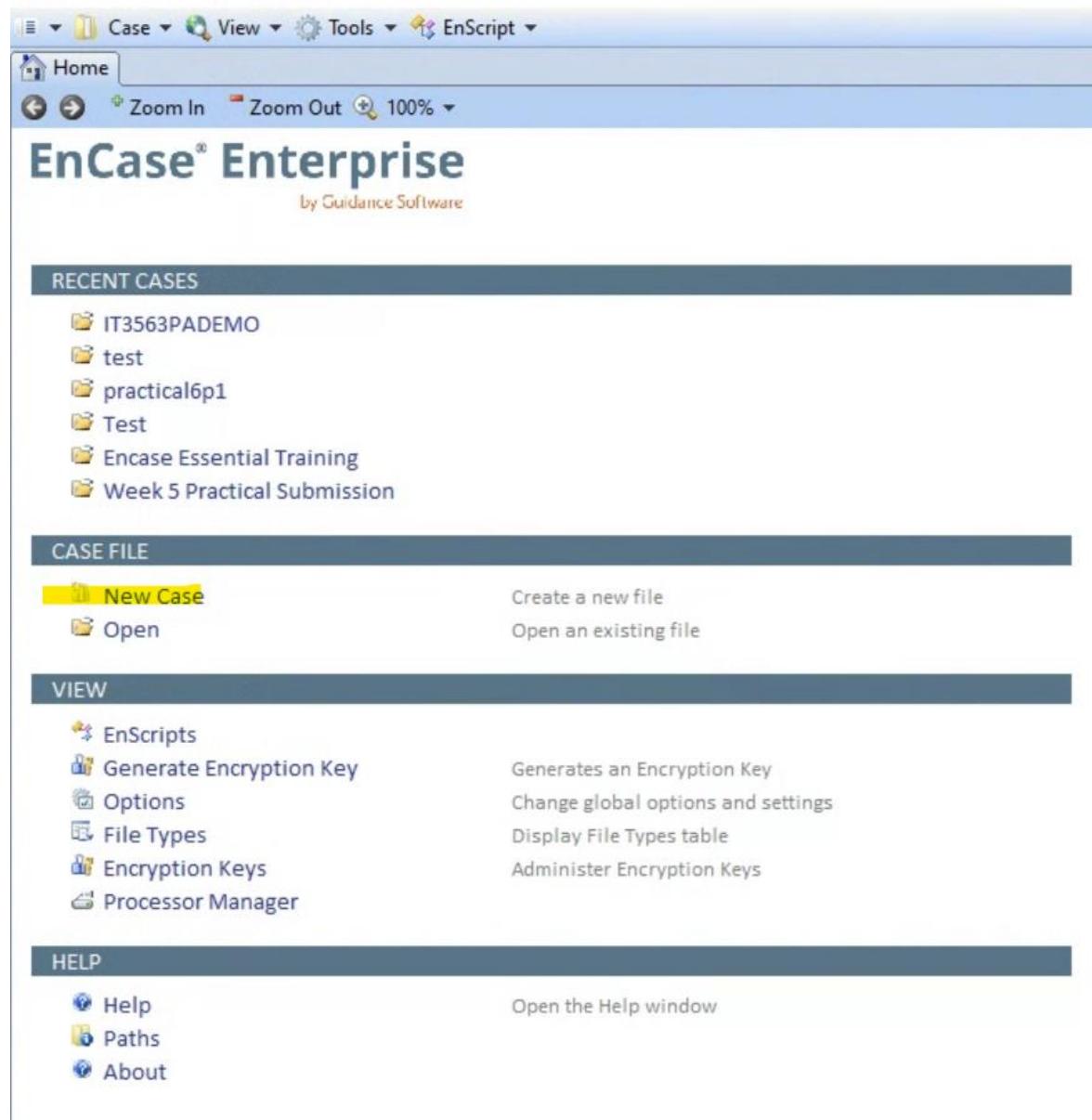
2023, December 2nd

16 30 Hours

Using the Duplicated evidence, I will open Encase forensics training to acquire the case on the Encase software.

Open Encase and create a New Case,

EnCase Forensic Training (Version 7.12.01)



Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

Date of Report: 2023-Dec-01

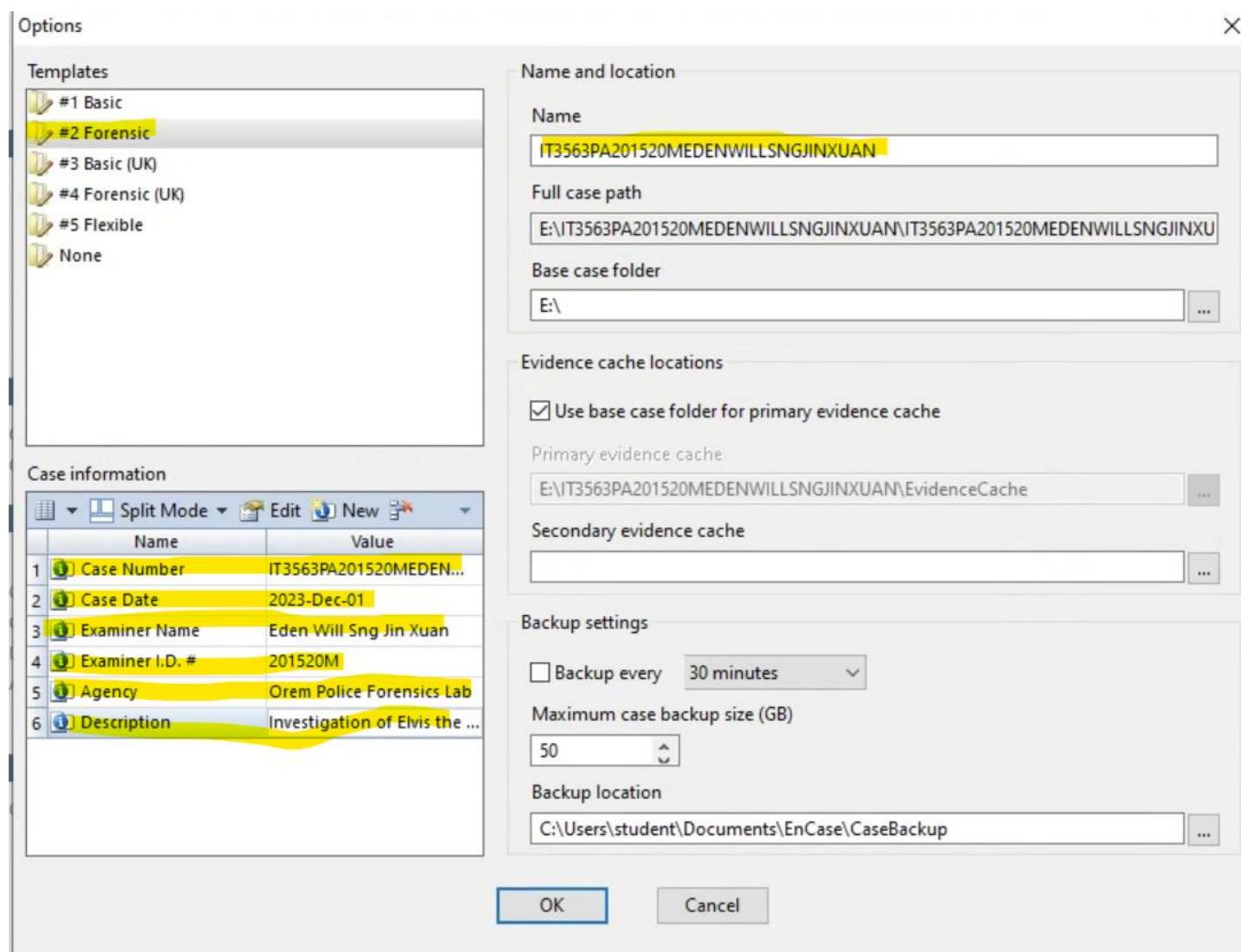
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2023, December 2nd

16 35 Hours



Ensure that the template used is #2 Forensics.

Give the following Details.

1. Name: IT3563PA201520MEDENWILLSNGJINXUAN
2. Case Number: IT3563PA201520MEDENWILLSNGJINXUAN
3. Case Date: 2023-Dec-01
4. Examiner Name: Eden Will Sng Jin Xuan
5. Agency: Orem Police Forensics Lab
6. Description: Investigation of Elvis the Hut Case
  - a. Search for all evidence that are related to
    - i. Theft of Credit Card Information

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

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- ii. Counterfeiting of US Currency
- iii. Counterfeiting of US Passports

Then Click Ok

---

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2023, December 2nd

16 40 Hours

I am now adding the evidence to the Encase Case

Click Add Evidence

The screenshot shows the EnCase Forensic Training (Version 7.12.01) application window. The top menu bar includes 'File', 'Case (IT3563PA201520MEDENWILLSNGJINXUAN)', 'View', 'Tools', 'EnScript', and 'Add Evidence'. Below the menu is a toolbar with icons for Home, Zoom In, Zoom Out, and a 100% view. The main area has several tabs: 'SEARCH' (with a search bar), 'EVIDENCE' (highlighted with a yellow oval, showing 'Add Evidence' and 'Processor Manager'), 'BROWSE' (showing 'Evidence', 'Records', 'Case Analyzer', and 'EnScripts'), 'REPORT' (showing 'Reports', 'Bookmarks', and 'Report Templates'), and 'CASE' (showing 'Options', 'Hash Libraries', 'Save', and 'Close').

It would open you this pane.

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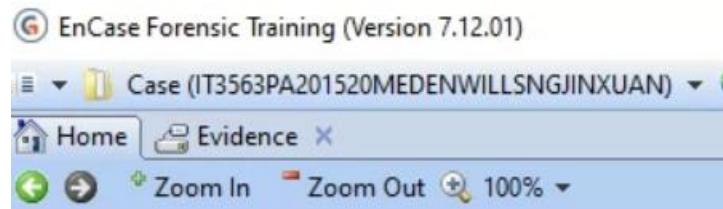
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2023, December 2nd

16 43 Hours

I am now adding the evidence to the Encase Case



## Add Evidence



I then click add evidence file to continue.  
Add the two images we duplicated from earlier.

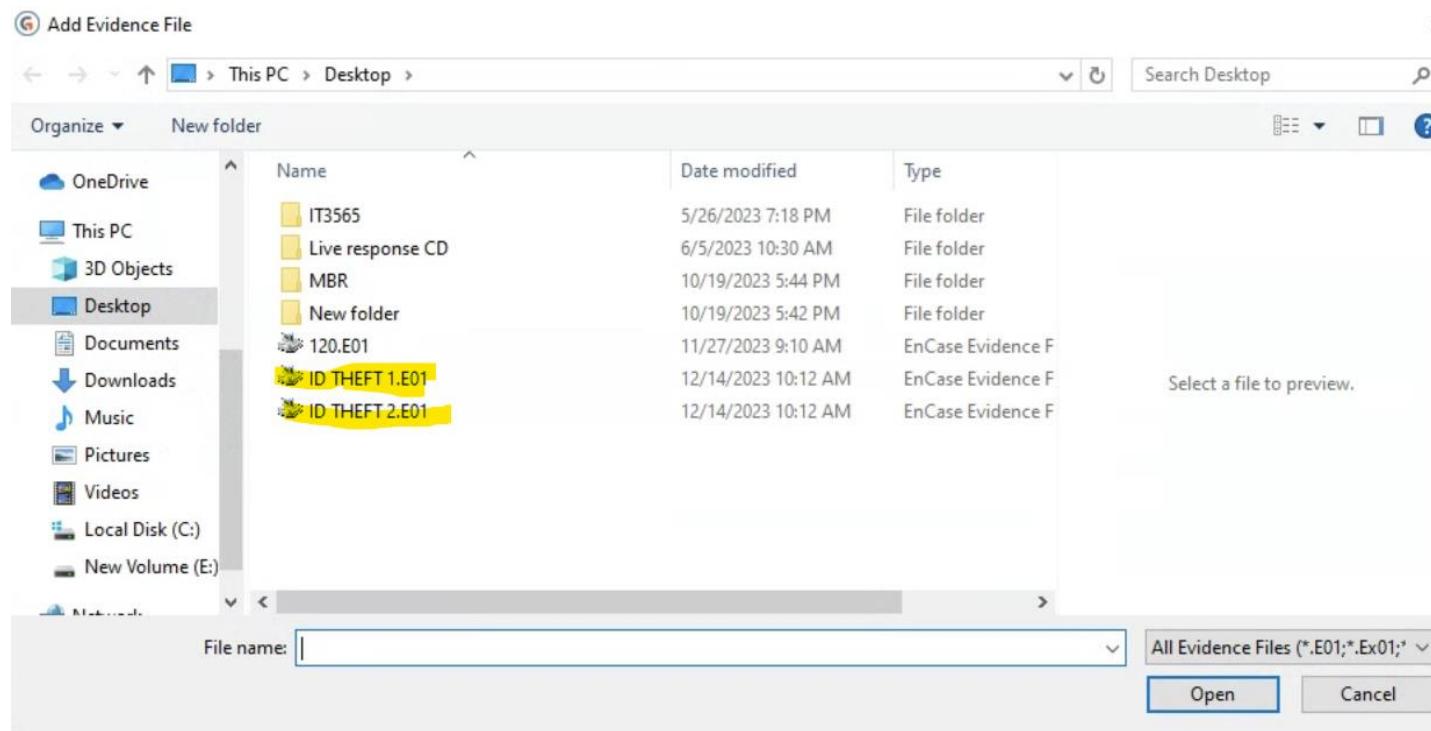
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This would be the result

A screenshot of the EnCase Forensic Training software interface. The top navigation bar shows "Case (IT3563PA201520MEDENWILLSNGJINXUAN)" and "Viewing (Evidence)". Below the toolbar, there are tabs for "Table" and "Timeline", with "Table" currently selected. A table view displays two evidence items: "ID.THEFT 1" with primary path "C:\Users\student\Desktop>ID.THEFT 1.E01" and "DAY 2 MWF" with primary path "C:\Users\student\Desktop>ID.THEFT 2.E01".

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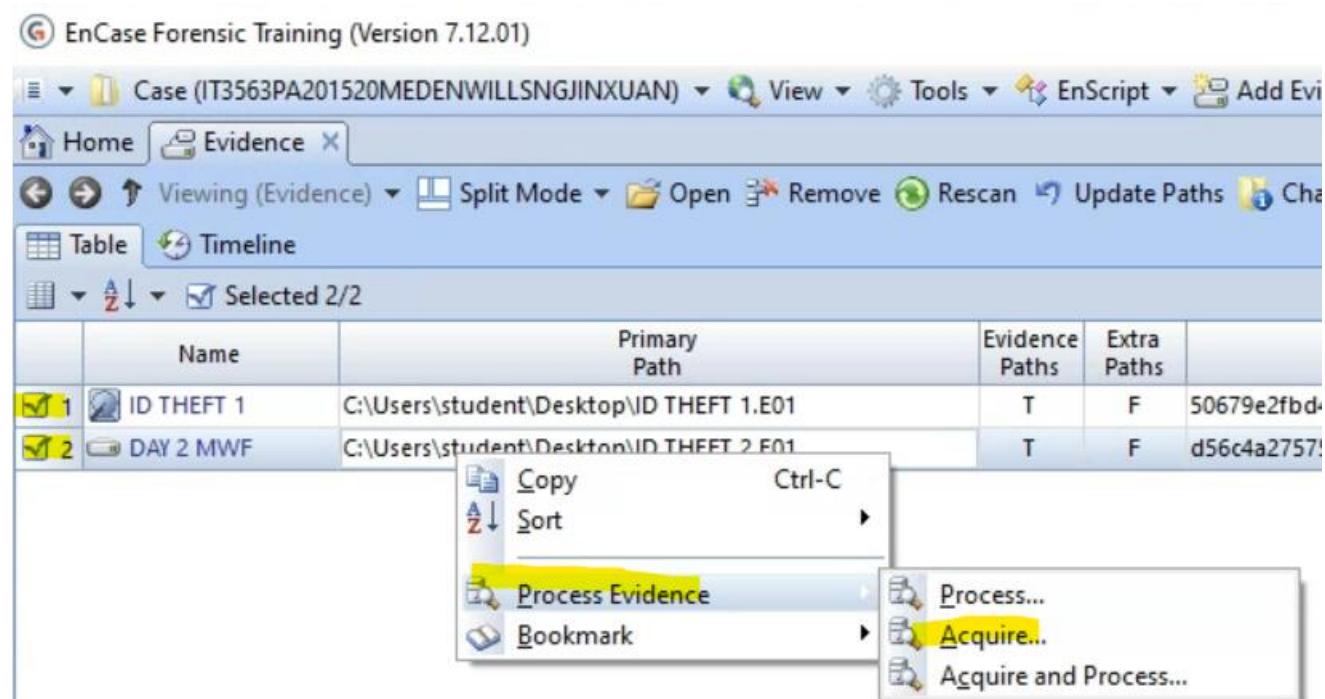
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2023, December 2nd

16 45 Hours

Here ID THEFT 1 refers to the ID Theft 1 image, which is from the 64mb thumb drive we acquired earlier. While DAY 2 MWF is the 32mb Thumb Drive we acquired from ID Theft 2 Image.

Select all the evidence items and acquire them on the Encase software. This ensures that the duplicated data would be edited on a separate copy.



Acquire Device DAY 2 MWF X

**Location** **Format** **Advanced**

|  |                 |
|--|-----------------|
| Name   | Evidence Number |
| DAY 2 MWF  |                 |
| Case Number  | Examiner Name   |
|  |                 |
| Notes  |                 |
| <input type="checkbox"/> Restart Acquisition <input type="checkbox"/> Remote acquisition                 |                 |
| Output Path  |                 |
| E:\IT3563PA201520MEDENWILLSNGJINXUAN\EvidenceCache\DAY 2 MWF.Ex01 <span style="float: right;">...</span> |                 |
| Alternate Path   |                 |
| <span style="float: right;">...</span>   |                 |

OK Cancel

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2023, December 2nd

16 47 Hours

When Acquisition is completed

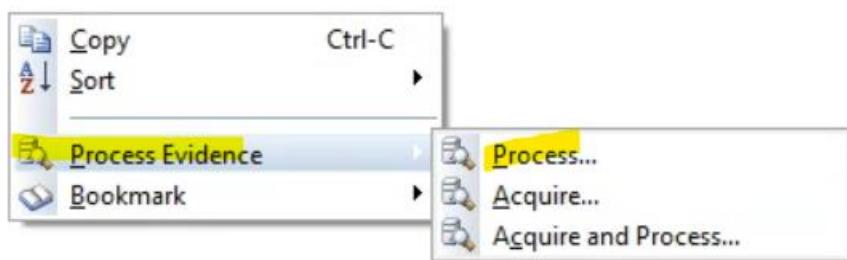
|   | Name       | Primary Path   | Ev |
|---|------------|--|----|
| 1 | DAY 2 MWF  | E:\IT3563PA201520MEDENWILLSNGJINXUAN\EvidenceCache\DAY 2 MWF.Ex01  |    |
| 2 | ID THEFT 1 | E:\IT3563PA201520MEDENWILLSNGJINXUAN\EvidenceCache>ID THEFT 1.Ex01 |    |

The Primary Path should change to the acquisition path.

2023, December 2nd

16 50 Hours

Now I will process the evidence.



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2023, December 2nd

16 55 Hours

Select all the process options.

NOTE if your computer hardware is sufficient, please, add the modules in a sequential order and in small chunks.

---

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EnCase Processor Options

What to Process

Unprocessed Evidence Files (2)  
 Selected Unprocessed Evidence Files (2)  
 Current Item (DAY 2 MWF)  
 Result Set ()

Immediately queue the evidence  
 Overwrite evidence cache

Options Label

Processing Options

EnCase Processor Options

| Task                     | Enabled                             |
|--------------------------|-------------------------------------|
| Prioritization           | <input type="checkbox"/>            |
| Recover Folders          | <input checked="" type="checkbox"/> |
| File signature analysis  | <input checked="" type="checkbox"/> |
| Protected file analysis  | <input checked="" type="checkbox"/> |
| Thumbnail creation       | <input checked="" type="checkbox"/> |
| Hash analysis            | <input checked="" type="checkbox"/> |
| Expand compound files    | <input checked="" type="checkbox"/> |
| Find email               | <input checked="" type="checkbox"/> |
| Find Internet artifacts  | <input checked="" type="checkbox"/> |
| Search for keywords      | <input checked="" type="checkbox"/> |
| Index text and metadata  | <input checked="" type="checkbox"/> |
| Personal Information     | <input checked="" type="checkbox"/> |
| Modules                  | F                                   |
| System Info Parser       | <input checked="" type="checkbox"/> |
| IM Parser                | <input checked="" type="checkbox"/> |
| File Carver              | <input checked="" type="checkbox"/> |
| Windows Event Log Parser | <input checked="" type="checkbox"/> |
| Windows Artifact Parser  | <input checked="" type="checkbox"/> |
| Unix Login               | <input checked="" type="checkbox"/> |
| Linux Syslog Parser      | <input checked="" type="checkbox"/> |
| OS X Artifact Parser     | <input checked="" type="checkbox"/> |
| Snapshot                 | F                                   |

**OK**

To verify that the process is completed it should display this in the process manager

| ID | Case Name  | Path                 | Processor  | Processing Options | Completed          | Start Time | End Time  |
|----|------------|----------------------|--|--------------------|--------------------|------------|-----------|
| 1  | ID THEFT 1 | IT3563PA201520MED... | E:\IT3563PA201520MEDENWILLSNGJINXUAN\EvidenceCa... | Local Machine      | Processing Options |            |           |
| 2  | DAY 2 MWF  | IT3563PA201520MED... | E:\IT3563PA201520MEDENWILLSNGJINXUAN\EvidenceCa... | Local Machine      | Processing Options | Completed  | Completed |

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2023, December 2nd

17 00 Hours

I will ensure that Indexing is enabled.



I also Verify the Hash output, Here the hash matches with the duplicator output we had earlier.

#### ID Theft 1

|                     |  |
|---------------------|--|
| S File Integrity    | Completely Verified, 0 Errors            |
| ↳ Acquisition MD5   | fc67dc2a33b568a774cea733e368bac5         |
| ↳ Verification MD5  | fc67dc2a33b568a774cea733e368bac5         |
| ↳ Acquisition SHA1  | 37540375c5f6cca01f9e47420b3c9d3fa81ed4e8 |
| ↳ Verification SHA1 | 37540375c5f6cca01f9e47420b3c9d3fa81ed4e8 |

#### DAY 2 MWF

|                     |   |
|---------------------|---|
| S File Integrity    | Completely Verified, 0 Errors             |
| ↳ Acquisition MD5   | 9da41b110926ee229a14629a7e2d8547          |
| ↳ Verification MD5  | 9da41b110926ee229a14629a7e2d8547          |
| ↳ Acquisition SHA1  | 0813cdcae0a2e632bfee1e254fb0d012398184ca3 |
| ↳ Verification SHA1 | 0813cdcae0a2e632bfee1e254fb0d012398184ca3 |
| S EnCase Version    | 7.12.01                                   |

This concludes the Data Acquisition of the evidence files. We will now proceed to the Examination of the evidence files. As office hours are over, I will continue the examination notes on the following working day.

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### **Examiner Note [Examination]**

2023, December 2nd

09 00 Hours

First and foremost, I will look for the time zone used for the evidence case, this ensures that my time is synced accurately with the case.

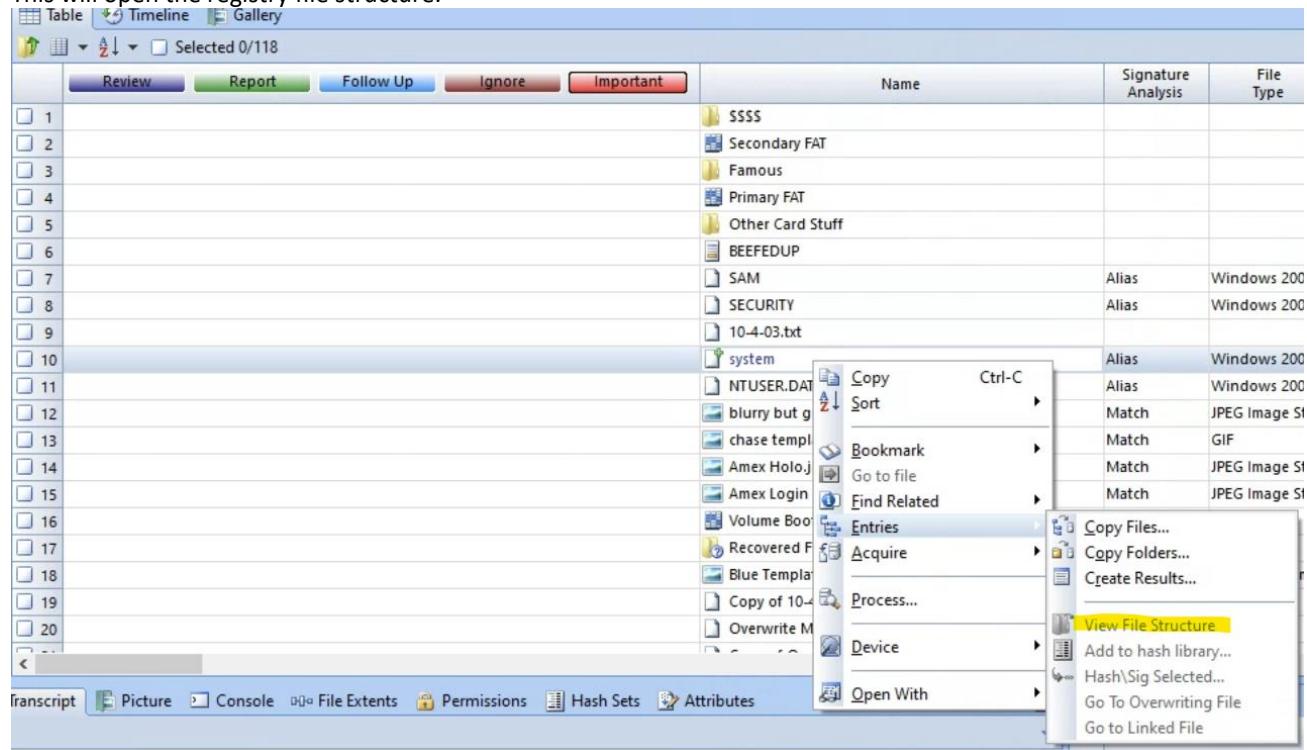
I will first look into ID Theft 1

To see the time zone do the following.

#### **ID Theft**

Right Click on System, entries, view file structures,

This will open the registry file structure.



Visit this file structure.

IT3563PA201520MEDENWILLSNGJINXUAN\ID THEFT 1\system\\$SSPROTO.HIV\ControlSet001\Control\TimeZoneInformation\StandardName (P)

It will reveal the time zone.

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The screenshot shows the EnCase Forensic Training interface. On the left is a tree view of system components under 'Viewing (system)'. In the center is a timeline view with tabs for 'Table', 'Timeline', and 'Gallery'. The timeline shows several log entries numbered 1 through 8. A yellow arrow points to the first entry, which has a checkmark next to it and is labeled 'StandardName'. To the right of the timeline is a list of time zone-related parameters: StandardName, StandardBias, StandardStart, DaylightName, DaylightBias, DaylightStart, ActiveTimeBias, and Bias. At the bottom of the interface, the status bar displays 'Mountain Standard Time'.

Time zone found is Mountain Standard Time

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2023, December 2nd

09 15 Hours

I will be now analyzing the time zone of DAY 2 MWF Image.

Let's visit Day 2 MWF Image

The screenshot shows the EnCase Forensic Training interface. The evidence tree on the left shows a folder named 'DAY 2 MWF' containing several sub-folders like 'SExtend', 'FAKE ID PIX', 'RECYCLER', 'System Volume Information', and 'WINNT'. Under 'WINNT', there are further sub-folders including 'system32', 'config', 'rocket', 'spool', and 'Recovered Folders'. The main pane displays a table of log files with columns for Name, Signature Analysis, and File Type. The table includes entries such as AppEvent.Evt (Match, Windows), default (Alias, Windows), default.LOG (Alias, Windows), default.sav (Alias, Windows), SAM (Alias, Windows), SAM.LOG (Alias, Windows), SecEvent.Evt (Match, Windows), SECURITY (Alias, Windows), SECURITY.LOG (Alias, Windows), software (Alias, Windows), software.LOG (Alias, Windows), software.sav (Alias, Windows), SysEvent.Evt (Match, Windows), system (Alias, Windows), SYSTEM.ALI (Alias, Windows), system.LOG (Alias, Windows), system.sav (Alias, Windows), TempKey.LC (Alias, Windows), userdiff (Match, Log), and userdiff.LC (Alias, Windows). A context menu is open over the 'system' entry in the table, with options like Copy, Sort, Bookmark, Go to file, Find Related, Entries, Acquire, Process..., Device, and Open With. The bottom pane shows a hex dump of a file, and the status bar at the bottom right says 'Open With'.

Open the time zone directory.

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The screenshot shows the EnCase Forensic Training interface. The left pane displays a hierarchical file system tree under the 'Case (IT3563PA201520MEDENWILLSNGJINXUAN)' node. The right pane shows a table titled 'Selected 0/47065' with columns for 'Review', 'Report', 'Follow Up', 'Ignore', and 'Important'. The table lists several entries, with the first one highlighted. The bottom of the screen shows various toolbars and status bars.

|                          | Name           |
|--------------------------|----------------|
| <input type="checkbox"/> | StandardName   |
| <input type="checkbox"/> | StandardBias   |
| <input type="checkbox"/> | StandardStart  |
| <input type="checkbox"/> | DaylightName   |
| <input type="checkbox"/> | DaylightBias   |
| <input type="checkbox"/> | DaylightStart  |
| <input type="checkbox"/> | ActiveTimeBias |
| <input type="checkbox"/> | Bias           |

It will reveal the time zone.

Here is the file location.

IT3563PA201520MEDENWILLSNGJINXUAN\DAY 2 MWF\WINNT\system32\config\system\\$\$\$PROTO.HIV\ControlSet001\Control\TimeZoneInformation\StandardName (PS 873 CL 873 SO 228 TO 0 LE 0)

Change encases time zone to Mountain standard time.

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Time Properties X

| Time Zone  |  | Details        |                             |
|--|--|----------------|-----------------------------|
| <input type="checkbox"/> (UTC-06:00) Central Time (US & Canada)          |  | Year           | 2006                        |
| <input type="checkbox"/> (UTC-06:00) Easter Island                       |  | Time Zone Bias | 420                         |
| <input type="checkbox"/> (UTC-06:00) Guadalajara, Mexico City, Monterrey |  | Daylight Bias  | -60                         |
| <input type="checkbox"/> (UTC-06:00) Saskatchewan                        |  | Standard Bias  | 0                           |
| <input type="checkbox"/> (UTC-07:00) Arizona                             |  | Daylight start | Sunday, Week 1 of Month 4,  |
| <input type="checkbox"/> (UTC-07:00) La Paz, Mazatlan                    |  | Hour 2         |                             |
| <input type="checkbox"/> (UTC-07:00) Mountain Time (US & Canada)         |  | Standard start | Sunday, Week 5 of Month 10, |
| <input type="checkbox"/> (UTC-07:00) Yukon                               |  | Hour 2         |                             |
| <input type="checkbox"/> (UTC-08:00) Baja California                     |  | Year           | 2007                        |
| <input type="checkbox"/> (UTC-08:00) Coordinated Universal Time-08       |  | Time Zone Bias | 420                         |
| <input type="checkbox"/> (UTC-08:00) Pacific Time (US & Canada)          |  | Daylight Bias  | -60                         |
| <input type="checkbox"/> (UTC-09:00) Alaska                              |  | Standard Bias  | 0                           |
| <input type="checkbox"/> (UTC-09:00) Coordinated Universal Time-09       |  | Daylight start | Sunday, Week 2 of Month 3,  |
| <input type="checkbox"/> (UTC-09:30) Marquesas Islands                   |  | Hour 2         |                             |
| <input type="checkbox"/> (UTC-10:00) Aleutian Islands                    |  | Standard start | Sunday, Week 1 of Month 11, |
| <input type="checkbox"/> (UTC-10:00) Hawaii                              |  |                |                             |

Use single DST offset

2006

2007

OK      Cancel

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2023, December 2nd

09 30 Hours

Now that the time zones are synced. I will now search for all relevant evidence that are relevant to the 3 objectives outline in the report:

1. Identity Theft
2. Counterfeiting of US Currency
3. Counterfeiting of US Passport

First, I will begin with a global raw search with the following Regular Expression:

| Credit Card Brand     | Regular Expression for ENCASE     | How it works?  |
|-----------------------|-----------------------------------|--|
| American Express Card | #{4,4}\ ?#{6,6}\ ?#{5,5}          | Matches any card with<br>1234 123456 12345<br>7382 128292 32923<br><br>Patterns<br>This is identified as AMEX cards                |
| Master and VISA Card  | #{4,4}\ ?#{4,4}\ ?#{4,4}\ ?#{4,4} | Matches any cards with<br>1234 1234 1234 1234<br>3829 3813 3527 8391<br><br>Patterns<br>This is identified as Master or Visa Cards |
| JC Penney Card        | #{3,3}\ ?#{3,3}\ ?#{3,3}\ ?#\ ?#  | Matches any cards with<br>123 123 123 1 1<br>382 368 340 1 8<br><br>This is identified as JC Penny                                 |

Example of Raw Search

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New Keyword

Search Expression | Code Page | Keyword tester

Search Expression

```
#{4,4}\ ?#{6,6}\ ?#{5,5}
```

Name

Search Options

|  |  |
|--|--|
| <input checked="" type="checkbox"/> ANSI Latin - 1 | <input checked="" type="checkbox"/> GREP |
| <input checked="" type="checkbox"/> UTF8           | <input type="checkbox"/> Case Sensitive  |
| <input type="checkbox"/> UTF7                      | <input type="checkbox"/> Whole Word      |
| <input checked="" type="checkbox"/> Unicode        |  |
| <input type="checkbox"/> Unicode Big-endian        |  |

Unicode View

```
#####[0020] {0, 1}######[0020] {0, 1}#####
```

GREP Symbols

|        |                                |
|--------|--------------------------------|
| \wFFFF | Unicode character              |
| \xFF   | Hex character                  |
| .      | Any character                  |
| #      | Any number [0-9]               |
| ?      | Repeat zero or one time        |
| +      | Repeat at least once           |
| [A-Z]  | A through Z                    |
| *      | Repeat zero+ times             |
| [XYZ]  | Either X, Y, or Z              |
| [^XYZ] | Neither X nor Y nor Z          |
| \[     | Literal character              |
| (ab)   | Group ab together for ?, +, *, |
| {m,n}  | Repeat m to n times            |
| a b    | Either a or b                  |

OK Cancel

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Repeat the same for Visa & MasterCard and JC Penney.

Visa & Mastercard

Edit "Visa and Mastercard"

Search Expression    Code Page    Keyword tester

Search Expression  
#{4,4}\ ?#{4,4}\ ?#{4,4}\ ?#{4,4}

Name  
Visa and Mastercard

Search Options

|  |  |
|--|--|
| <input checked="" type="checkbox"/> ANSI Latin - 1 | <input checked="" type="checkbox"/> GREP |
| <input checked="" type="checkbox"/> UTF8           | <input type="checkbox"/> Case Sensitive  |
| <input type="checkbox"/> UTF7                      | <input type="checkbox"/> Whole Word      |
| <input checked="" type="checkbox"/> Unicode        |  |
| <input type="checkbox"/> Unicode Big-endian        |  |

GREP Symbols

|        |                                |
|--------|--------------------------------|
| \wFFF  | Unicode character              |
| \xFF   | Hex character                  |
| .      | Any character                  |
| #      | Any number [0-9]               |
| ?      | Repeat zero or one time        |
| +      | Repeat at least once           |
| [A-Z]  | A through Z                    |
| *      | Repeat zero+ times             |
| [XYZ]  | Either X, Y, or Z              |
| [^XYZ] | Neither X nor Y nor Z          |
| \[     | Literal character              |
| (ab)   | Group ab together for ?, +, *, |
| {m,n}  | Repeat m to n times            |
| a b    | Either a or b                  |

Unicode View  
#####[0020] {0, 1}#####[0020] {0, 1}#####[0020] {0, 1}#####

OK    Cancel

JC Penney Card

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Edit "JC Penney"

Search Expression    Code Page    Keyword tester

Search Expression: `#{3,3}\ ?#{3,3}\ ?#{3,3}\ ?#\ ?#`

Name: JC Penney

Search Options:

|  |  |
|--|--|
| <input checked="" type="checkbox"/> ANSI Latin - 1 | <input checked="" type="checkbox"/> GREP |
| <input checked="" type="checkbox"/> UTF8           | <input type="checkbox"/> Case Sensitive  |
| <input type="checkbox"/> UTF7                      | <input type="checkbox"/> Whole Word      |
| <input checked="" type="checkbox"/> Unicode        |  |
| <input type="checkbox"/> Unicode Big-endian        |  |

GREP Symbols:

|        |                                |
|--------|--------------------------------|
| \wFFFF | Unicode character              |
| \xFF   | Hex character                  |
| .      | Any character                  |
| #      | Any number [0-9]               |
| ?      | Repeat zero or one time        |
| +      | Repeat at least once           |
| [A-Z]  | A through Z                    |
| *      | Repeat zero+ times             |
| [XYZ]  | Either X, Y, or Z              |
| [^XYZ] | Neither X nor Y nor Z          |
| \[     | Literal character              |
| (ab)   | Group ab together for ?, +, *, |
| {m,n}  | Repeat m to n times            |
| a b    | Either a or b                  |

Unicode View:

```
###[0020] {0, 1}###[0020] {0, 1}###[0020] {0, 1}#[0020] {0, 1}#
```

OK    Cancel

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Result of Raw Search

Keywords

| Keywords                            |                     |                             |                                     |                          |                          |                                     |                                     |                          |                          |                          |
|-------------------------------------|---------------------|-----------------------------|-------------------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|
|                                     | Name                | Search Expression           | GREP                                | Case Sensitive           | Whole Word               | ANSI Latin - 1                      | Unicode                             | Unicode Big-endian       | UTF-8                    | UTF-16                   |
| <input checked="" type="checkbox"/> | AMEX                | #{4,4}\ ?#{6,6}\ ?#{5,5}    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | Visa and Masterc... | #{4,4}\ ?#{4,4}\ ?#{4,4}... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> | JC Penney           | #{3,3}\ ?#{3,3}\ ?#{3,3}... | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2023, December 2nd

09 45 Hours

Now I will go Encase search all to see what results I may achieve

ID Theft

|                          | Expression                  | Items | Hits   |
|--------------------------|-----------------------------|-------|--------|
| <input type="checkbox"/> | #{4,4}\ ?#{6,6}\ ?#{5,5}    | 149   | 1,731  |
| <input type="checkbox"/> | #{4,4}\ ?#{4,4}\ ?#{4,4}... | 149   | 1,567  |
| <input type="checkbox"/> | #{3,3}\ ?#{3,3}\ ?#{3,3}... | 535   | 26,814 |

Some results were found.

| Card              | Items |  | Hits   |
|-------------------|-------|--|--------|
| Amex              | 149   |  | 1,731  |
| Visa & MasterCard | 149   |  | 1,567  |
| JC Penney         | 535   |  | 26,814 |

Seems like there is plenty of information here,  
Before I add the images, I will create some bookmarks.

Create three Bookmarks for the images.

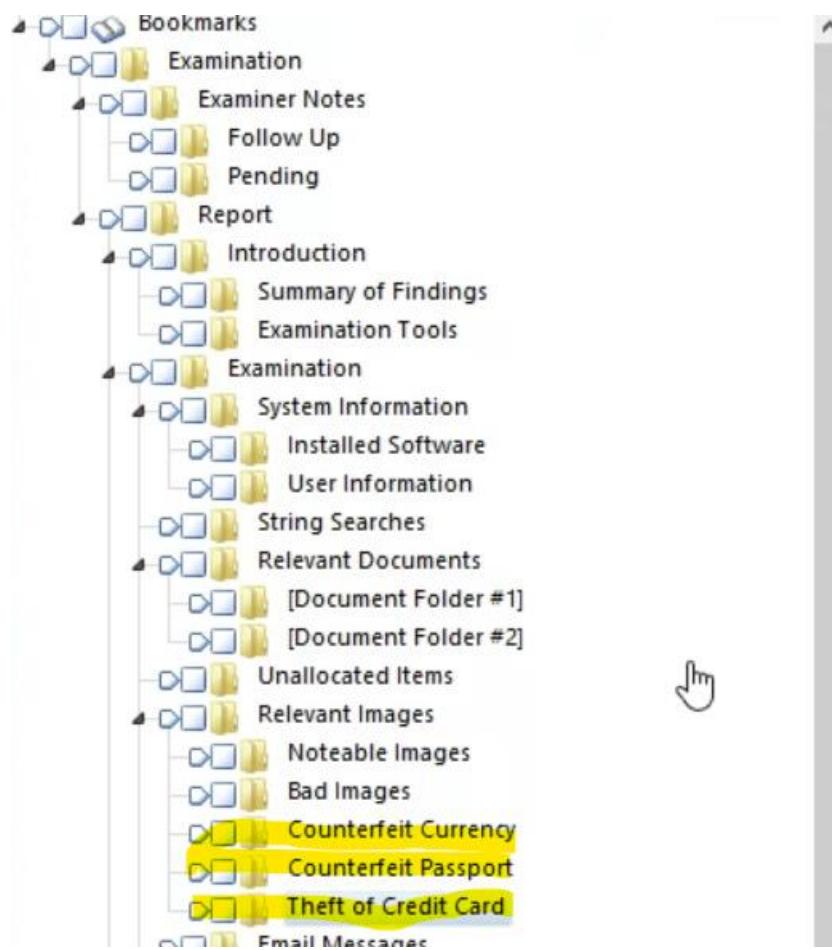
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Results of the searches of Amex, Visa & Mastercard and JC Penney.

Add the images to the right bookmarks.

- >Counterfeiting Currency
- >Counterfeiting US Passport
- >Theft of Credit cards

2023, December 2nd

10 00 Hours



Looking at ID Theft 1 directory, I found some interesting folders.

Clicking on Other Card Stuff reveals more relevant evidence that leads to credit card thefts.

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I will add these findings to the theft of credit cards bookmarks.

---

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The screenshot shows a digital forensic software interface. On the left, a tree-view file browser displays several folders under 'Entries': 'ID THEFT 1' (containing '\$\$\$\$', Credit Cards, Famous, JC PENNY, Other Card Stuff), 'JC PENNY' (containing Jc Penny Credit Cards Application\_files, JCPenney\_files), and 'Recovered Folders'. The main area is a 'Gallery' view with five items listed: '(1) Amex Holo.jpg' (an American Express card image), '(2) Amex Login Template.jpg' (a login template for American Express), '(3) Blue Template.bmp' (a blue-themed template), '(4) blurry but good.jpg' (a blurry image of a card), and '(5) Am Ex Logo.jpg' (an American Express logo). The top menu bar includes options like 'View', 'Tools', 'EnScript', 'Add Evidence', and various search and filter functions.

In the deleted folder of ID theft 1, there appears to show more images that suggest some credit card theft is going on. It might be used for phishing.

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In the Famous folder there appears to have more images that reference theft of credit cards. From the file This is why JCPenney. It shows that there is credit fraud ongoing that is hurting individuals.

④ EnCase Forensic Training (Version 7.12.01)

[Back to the Complaints.com Home Page](#)

**[Complaint of the Day Archive \(Past Days\)](#)**

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**Complaints of the Day e-Message # 5 for November 3, 2002**

**[Next Complaint of the Day](#)**

Complaints.com received the following consumer message on November 2, 2002:

From: LindaPaws@aol.com

RE: JC Penny - lost credit card 4 months ago - \$ 600 in fraudulent charges resulted - given no help from JC Penny

I lost my JC Penny's credit card approximately four months ago. Since then there is now a balance of \$600 + on my account. I have repeatedly called the Customer Service department and Fraud department to no avail. I have explained to them in writing and verbal that these are not my charges.

I had not used the card in five years and suddenly I racked up a \$500 charge within 18 minutes. That should have sent a red flag to someone, but of course it did not. I wrote to the Fraud department and received a letter from them a month later informing me that the signature matched mine, and my card had been scanned. Of course, it was scanned by someone other than me.

Now I am receiving daily calls informing me that I am past due on my balance. It is NOT MY balance. I have called six times in order to speak with a customer service representative - I am either put on hold or disconnected.

Could someone please help me resolve this problem. I have had good credit in the past and I do not want this crazy episode to ruin it. I can't seem to get any results from writing or calling. What else can I do? PLEASE HELP!

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In the JC Penney folder

The screenshot shows the EnCase Forensic Training interface. The left sidebar displays a tree view of evidence items under the 'JC PENNEY' folder, which contains sub-folders like 'Credit Cards Application\_files' and 'Other Card Stuff'. The main pane shows a table of selected evidence items. The table has columns for Name, Signature Analysis, File Type, and File Ext. There are four entries listed:

| Name                                    | Signature Analysis | File Type        | File Ext |
|---|--------------------|------------------|----------|
| JCPenney_files                          | Unknown            |                  |          |
| Jc Penny Credit Cards Application.htm   | Match              | HyperText Mar... | htm      |
| JCPenney.htm                            | Match              | HyperText Mar... | htm      |
| Jc Penny Credit Cards Application_files | Unknown            |                  |          |

There are HTML files found, they contain the following.

The screenshot shows a web browser window displaying a page titled 'Jc Penny Credit Cards Application'. The page content includes a heading 'Are you looking for Jc Penny Credit Cards Application?' and a message stating 'We have searched the internet for the best Jc Penny Credit Cards Application and we hope you enjoy what you find! Click on one of our links below and enjoy! We update our links often so feel free to visit us again if you want more Jc Penny Credit Cards Application.' Below the text is a large gray square with a black 'X' drawn through it.

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The screenshot shows the Orem Police Forensics Lab software interface. The top navigation bar includes options like Viewing (Entry), Split Mode, Filter, Tags, Review Package, Raw Search Selected, Bookmark, Go to file, Find Related, Entries, and Acquire. The left sidebar displays a tree view of files under 'ID THEFT 1', including 'SSSS', 'Credit Cards', 'Famous', 'JC PENNY' (selected), 'Jc Penny Credit Cards Application\_files', 'JCPenney\_files', 'Other Card Stuff', and 'Recovered Folders'. The main area features a 'Table' view with columns for File Ext, Logical Size, Category, Protected, Protection complexity, and Last Accessed. Three items are selected: a folder named '1' (3,072 Folder), an 'htm' document (10,194 Document), and another 'htm' document (18,601 Document). Below the table is a 'Transcript' tab showing a sequence of characters and symbols, likely a snippet of the analyzed file content.

Likely this is a phishing site.  
We will bookmark this as relevant documents.

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10 45 Hours

|   | Name                     | Signature Analysis | File Type         | File Ext | Logical Size |
|---|--------------------------|--------------------|-------------------|----------|--------------|
| 1 | BEWARE !!.jpg            | Match              | JPEG Image Sta... | .jpg     |              |
| 2 | dots off.jpg             | Match              | JPEG Image Sta... | .jpg     |              |
| 3 | 50 off.jpg               | Match              | JPEG Image Sta... | .jpg     |              |
| 4 | High Dollar Purchase.jpg | Match              | JPEG Image Sta... | .jpg     |              |
| 5 | note detail.jpg          |                    |                   | .jpg     |              |
| 6 | note more detail.jpg     |                    |                   | .jpg     |              |
| 7 | PREVENT THIS.jpg         |                    |                   | .jpg     |              |
| 8 | dots off 2.jpg           |                    |                   | .jpg     |              |

In the \$\$\$ Folder

It appears to have files containing counterfeit currencies. Since we already book marked them earlier there is no need for duplicates.

That is all for ID Theft, we will now inspect DAY 2 MWF.

| (1)                     | (2)                | (3)                           | (4)                               | (5)                       | (6)                   |
|-------------------------|--------------------|-------------------------------|-----------------------------------|---------------------------|-----------------------|
| (1) 50 off.jpg          | (2) Am Ex Logo.jpg | (3) Amex Holo.jpg             | (4) Amex Login Template.jpg       | (5) BEWARE !!.jpg         | (6) Blue Template.bmp |
| (7) blurry but good.jpg | (8) CCG1.GIF       | (9) CCG2.GIF                  | (10) CCG3.GIF                     | (11) dots off.jpg         | (12) dreamin.jpg      |
| (13) fake ids.jpg       | (14) harry.jpg     | (15) High Dollar Purchase.... | (16) it passed !.jpg              | (17) made the news !!.jpg | (18) makin a deal.jpg |
| (19) new logo.jpg       | (20) passport.jpg  | (21) this could be handy.jpg  | (22) This is why JCPENNY !...<br> | (23) top this.jpg         | (24) uk id 2.jpg      |

Inspecting DAY 2 MWF shows similar result to ID Theft 1. This indicates that Elvis the Hut does have intentions to commit the crimes of theft of credit cards, counterfeiting of US Currency and counterfeiting of US passports.

I will add the duplicate evidence as bookmarks to the report.

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11 00 Hours

The screenshot shows the EnCase Forensic Training interface. The left pane displays a tree view of evidence items under the 'Internet' category, specifically 'Internet Explorer (Windows) > History'. The right pane is a table view titled 'Selected 6/16' showing 13 entries of 'NTUSER.DAT' files. The table includes columns for Name, File Ext, and Logical Size. The first file is named '1 NTUSER.DAT' and has a size of 46. The last file is '13 NTUSER.DAT' with a size of 134. Several files are selected, indicated by checked checkboxes in the first column.

|                                     | Name          | File Ext | Logical Size |
|-------------------------------------|---------------|----------|--------------|
| <input type="checkbox"/>            | 1 NTUSER.DAT  | DAT      | 46 D         |
| <input type="checkbox"/>            | 2 NTUSER.DAT  | DAT      | 66 D         |
| <input checked="" type="checkbox"/> | 3 NTUSER.DAT  | DAT      | 66 D         |
| <input type="checkbox"/>            | 4 NTUSER.DAT  | DAT      | 40 D         |
| <input checked="" type="checkbox"/> | 5 NTUSER.DAT  | DAT      | 52 D         |
| <input checked="" type="checkbox"/> | 6 NTUSER.DAT  | DAT      | 48 D         |
| <input type="checkbox"/>            | 7 NTUSER.DAT  | DAT      | 52 D         |
| <input type="checkbox"/>            | 8 NTUSER.DAT  | DAT      | 48 D         |
| <input checked="" type="checkbox"/> | 9 NTUSER.DAT  | DAT      | 46 D         |
| <input checked="" type="checkbox"/> | 10 NTUSER.DAT | DAT      | 50 D         |
| <input type="checkbox"/>            | 11 NTUSER.DAT | DAT      | 134 D        |
| <input checked="" type="checkbox"/> | 12 NTUSER.DAT | DAT      | 50 D         |
| <input type="checkbox"/>            | 13 NTUSER.DAT | DAT      | 134 D        |

Checking the ID Theft Internet artefacts, we found numerous links.

Some of them contain links to fake ids, id stealers, Credit stealers. These are relevant to our findings. I will attach them to our bookmark.

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2023, December 2nd

12 00 Hours

|    | Review | Report | Follow Up | Ignore | Important | Name                                  | Signature Analysis |
|----|--------|--------|-----------|--------|-----------|---------------------------------------|--------------------|
| 52 |        |        |           |        |           | passport.jpg                          | Match JPE          |
| 53 |        |        |           |        |           | this could be handy.jpg               | Match JPE          |
| 54 |        |        |           |        |           | Overwrite Me !.txt                    |                    |
| 55 |        |        |           |        |           | top this.jpg                          | Match JPE          |
| 56 |        |        |           |        |           | uk id 2.jpg                           | Match JPE          |
| 57 |        |        |           |        |           | uk id.jpg                             | Match JPE          |
| 58 |        |        |           |        |           | watch out.jpg                         | Match JPE          |
| 59 |        |        |           |        |           | Unallocated Clusters                  |                    |
| 60 |        |        |           |        |           | JCPenney.htm                          | Match Hy           |
| 61 |        |        |           |        |           | Jc Penny Credit Cards Application.htm | Match Hy           |
| 62 |        |        |           |        |           | _ONTACT.GIF                           | Match Gil          |
| 63 |        |        |           |        |           | clearance_nav.gif                     | Match Gil          |
| 64 |        |        |           |        |           | childrens_nav.gif                     | Match Gil          |
| 65 |        |        |           |        |           | _ATALOG.GIF                           | Match Gil          |
| 66 |        |        |           |        |           | button_go.gif                         | Match Gil          |
| 67 |        |        |           |        |           | _RACKET.GIF                           | Match Gil          |
| 68 |        |        |           |        |           | _BOUT_US.GIF                          | Match Gil          |
| 69 |        |        |           |        |           | JCPenney_files                        | Unknown            |
| 70 |        |        |           |        |           | image-1239092-5463217.gif             | Match Gil          |
| 71 |        |        |           |        |           | 9011766-12                            | Alias Gil          |
| 72 |        |        |           |        |           | Am Ex Stuff.t                         |                    |
| 73 |        |        |           |        |           | How to Steal IDs.doc                  | Bad signature      |

Here in ID Theft, I have found numerous word document that suggest the stealing of credit cards.  
It is highlighted in yellow.

I will add them to the relevant Documents.

2023, December 2nd

12 15 Hours

In DAY 2 MWF,

I found additional work document that suggest the theft of credit cards.

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The screenshot shows the FTK software interface. The top menu bar includes Home, Processor Manager, Reports, Evidence, Search, Bookmarks, Report Templates, and Records. The left sidebar has Index, Tags, and Keywords. The main window has tabs for Table, Timeline, and Gallery, with 'Table' selected. A status bar at the bottom indicates 'Selected 1/22'.

**Search Results Table:**

| Word             | Hits | Items |
|------------------|------|-------|
| 1 doc            | 197  | 22    |
| 2 doc0           | 1    | 1     |
| 3 doc8           | 2    | 2     |
| 4 doc_setup      | 26   | 1     |
| 5 docum0         | 3    | 3     |
| 6 docord0        | 2    | 2     |
| 7 docfile        | 10   | 3     |
| 8 docfile0       | 3    | 2     |
| 9 docfiles       | 3    | 1     |
| 10 docfind       | 2    | 1     |
| 11 docfindcolsx  | 1    | 1     |
| 12 dochost       | 2    | 1     |
| 13 dockit        | 4    | 2     |
| 14 docking       | 2    | 1     |
| 15 dockingstatec | 4    | 2     |
| 16 doco          | 2    | 1     |
| 17 docobject     | 9    | 1     |

**Recovered Data Hex Dump:**

| Address | Hex   | ASCII |
|---------|---|-------|
| 004460  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00     | ..... |
| 004468  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00     | ..... |
| 01080   | 4 - - - - 4 - - - - 3 - - - - 2 - - - - 1 - - - -   | ..... |
| 0129E   | - | ..... |
| 01513   | 2 - - - - 1 - - - - 2 - - - - 2 - - - - 1 - - - -   | ..... |
| 01728   | F - - - - F - - - -                                 | ..... |
| 01944   | - | ..... |
| 03240   | - | ..... |

**Recovered Text:**

```
These are the three I got from the trash can receipts from the mail ! 152-201-442-0-1 181-102-354-0-1 These are the three I got from the counter ! 152-201-442-0-1 181-102-354-0-1 These are the three I got from the trash can receipts from the mail ! 152-211-654-0-2 180-256-453-1-1 187-123-444-1-2 These are the two JC Penny Numb  
02008 used with the new program you gave me !! 123 456 789 0 0 122 234 567 0 1 111 222 333 0 0 222 333 444 0 1 333 222 333 1 1 123 321 222 1 1 333 222 111 0 0 123 341 231 0 1 432 123 433 0 1 101 101 101 1 1  
03024  
03240
```

It will also be added to the bookmarks.

## Documents of Interest

### Relevant Documents

#### Theft of Credit Cards

##### 1) Jc Penny Credit Cards Application.htm

Item Path ID THEFT 1\JC PENNY\Jc Penny Credit Cards Application.htm  
File Created 10/01/03 03:34:58 AM  
Last Written 09/26/03 02:36:50 AM  
Last Accessed 10/03/03 10:00:00 AM  
MD5 064e0ccac0f9e23c8909cb1de7601be8  
Protected  
Comment Phishing site for JC Penney

##### 2) JCPenney.htm

Item Path ID THEFT 1\JC PENNY\JCPenney.htm  
File Created 10/01/03 03:34:59 AM  
Last Written 09/26/03 02:40:22 AM  
Last Accessed 10/03/03 10:00:00 AM  
MD5 e79a3db2fbb1162d0128d9fedff69fd8  
Protected  
Comment Phishing site template

##### 3) How to Steal IDs.doc

Item Path ID THEFT 1\How to Steal IDs.doc  
File Created 10/01/03 03:35:55 AM  
Last Written 09/26/03 03:31:08 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 573b1b421612e6b05f285d91be46cb46  
Protected  
Comment Stealing credit card information document

##### 4) Unallocated Clusters

Item Path ID THEFT 1\Unallocated Clusters  
File Created  
Last Written  
Last Accessed  
MD5  
Protected  
Comment Describes methods of stealing creditcards

##### 5) COOL WORD DOCUMENT.doc

Item Path DAY 2 MWF\Documents and Settings\Bad Guy 2K\Desktop\COOL WORD DOCUMENT.doc  
File Created 11/29/03 06:29:26 PM  
Last Written 11/29/03 11:45:36 AM  
Last Accessed 11/29/03 06:29:26 PM  
MD5 70eea40ef2429b4e9f7b49b90466cff5  
Protected  
Comment describes some credit card numbers stolen

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## Pictures of Interest

### Counterfeit Currency

|   | Name                     | Logical Size | Item Type | Signature Analysis | File Type           |
|---|--------------------------|--------------|-----------|--------------------|---------------------|
| 1 | 50 off.jpg               | 4,388        | Entry     | Match              | JPEG Image Standard |
| 2 | BEWARE !!.jpg            | 4,303        | Entry     | Match              | JPEG Image Standard |
| 3 | dots off.jpg             | 3,683        | Entry     | Match              | JPEG Image Standard |
| 4 | High Dollar Purchase.jpg | 4,162        | Entry     | Match              | JPEG Image Standard |
| 5 | 50 off.jpg               | 4,388        | Entry     | Match              | JPEG Image Standard |
| 6 | BEWARE !!.jpg            | 4,303        | Entry     | Match              | JPEG Image Standard |
| 7 | dots off.jpg             | 3,683        | Entry     | Match              | JPEG Image Standard |
| 8 | High Dollar Purchase.jpg | 4,162        | Entry     | Match              | JPEG Image Standard |

#### 6) 50 off.jpg

Item Path ID THEFT 1\\$\$\$\$\50 off.jpg  
 File Created 10/01/03 03:36:50 AM  
 Last Written 09/26/03 02:45:16 AM  
 Last Accessed 09/30/03 10:00:00 AM  
 MD5 ef9462f7722e7b1d8c0031176c648104  
 Comment Image shows the features of the US currency that could be used for counterfeiting



#### 7) BEWARE !!.jpg

Item Path ID THEFT 1\\$\$\$\$\BEWARE !!.jpg  
 File Created 10/01/03 03:36:51 AM

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of Report: 2023-Dec-01

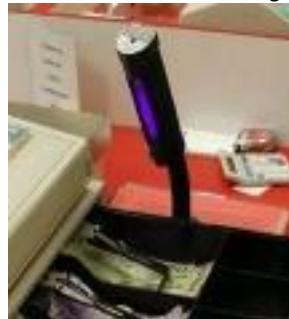
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Last Written 09/26/03 02:47:54 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 423b95fcc56252b25a043947cd6ee50d  
Comment cash register, could be used as evidence that money here was taken for counterfeiting

**8) dots off.jpg**

Item Path ID THEFT 1\\$\\$\\$\\dots off.jpg  
File Created 10/01/03 03:36:53 AM  
Last Written 09/26/03 02:45:22 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 b2dc128b84b59ce578c125076b4be742  
Comment attempts to reverse engineer the US currency for counterfeiting

**9) High Dollar Purchase.jpg**

Item Path ID THEFT 1\\$\\$\\$\\High Dollar Purchase.jpg  
File Created 10/01/03 03:36:54 AM  
Last Written 09/26/03 02:47:20 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 de650a3069f404b8775bba6c4e0a6ea5  
Comment shows the increase of the dollar , for use with counterfeiting of us dollars

---

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of Report: 2023-Dec-01

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**10) 50 off.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\50 off.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:45:16 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 ef9462f7722e7b1d8c0031176c648104  
Comment Image shows the features of the US currency that could be used for counterfeiting

**11) BEWARE !!.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\BEWARE !!.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:47:54 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 423b95fcc56252b25a043947cd6ee50d  
Comment cash register, could be used as evidence that money here was taken for counterfeiting

---

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of Report: 2023-Dec-01

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**12) dots off.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\ dots off.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:45:22 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 b2dc128b84b59ce578c125076b4be742  
Comment attempts to reverse engineer the US currency for counterfeiting

**13) High Dollar Purchase.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\High Dollar Purchase.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:47:20 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 de650a3069f404b8775bba6c4e0a6ea5  
Comment shows the increase of the dollar , for use with counterfeiting of us dollars

---

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Initials: *Eden*

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**Counterfeit Passport**

|    | Name                    | Logical Size | Item Type | Signature Analysis | File Type           |
|----|-------------------------|--------------|-----------|--------------------|---------------------|
| 1  | blurry but good.jpg     | 2,416        | Entry     | Match              | JPEG Image Standard |
| 2  | fake ids.jpg            | 3,586        | Entry     | Match              | JPEG Image Standard |
| 3  | harry.jpg               | 4,073        | Entry     | Match              | JPEG Image Standard |
| 4  | passport.jpg            | 3,133        | Entry     | Match              | JPEG Image Standard |
| 5  | this could be handy.jpg | 2,419        | Entry     | Match              | JPEG Image Standard |
| 6  | top this.jpg            | 2,441        | Entry     | Match              | JPEG Image Standard |
| 7  | uk id 2.jpg             | 4,288        | Entry     | Match              | JPEG Image Standard |
| 8  | uk id.jpg               | 3,799        | Entry     | Match              | JPEG Image Standard |
| 9  | watch out.jpg           | 3,803        | Entry     | Match              | JPEG Image Standard |
| 10 | blurry but good.jpg     | 2,416        | Entry     | Match              | JPEG Image Standard |
| 11 | fake ids.jpg            | 3,586        | Entry     | Match              | JPEG Image Standard |
| 12 | passport.jpg            | 3,133        | Entry     | Match              | JPEG Image Standard |
| 13 | this could be handy.jpg | 2,419        | Entry     | Match              | JPEG Image Standard |
| 14 | top this.jpg            | 2,441        | Entry     | Match              | JPEG Image Standard |
| 15 | uk id 2.jpg             | 4,288        | Entry     | Match              | JPEG Image Standard |

**14) blurry but good.jpg**

Item Path ID THEFT 1\Credit Cards\blurry but good.jpg  
 File Created 10/01/03 03:36:39 AM  
 Last Written 09/26/03 02:34:06 AM  
 Last Accessed 09/30/03 10:00:00 AM  
 MD5 4bd6f2681dfe059500d7a1cb80d38348  
 Comment Possible IDs that could be used to counterfeit US Passports

Prepared by: Eden Will Sng Jin Xuan #201520M

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**15) fake ids.jpg**

Item Path ID THEFT 1\Other Card Stuff\fake ids.jpg  
File Created 10/01/03 03:36:03 AM  
Last Written 09/26/03 02:32:14 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 ba6eeaeacde4446ea56d19783048b21b  
Comment bunch of fake IDs that could be used to counterfeit passports

**16) harry.jpg**

Item Path ID THEFT 1\Other Card Stuff\harry.jpg  
File Created 10/01/03 03:36:04 AM  
Last Written 09/26/03 02:31:50 AM  
Last Accessed 10/03/03 10:00:00 AM  
MD5 ebf9ee7772510a3f9cbdef791dc3c6ad  
Comment harry ID might be used to counterfeit passports



---

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

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**17) passport.jpg**

Item Path ID THEFT 1\Other Card Stuff\passport.jpg  
File Created 10/01/03 03:36:06 AM  
Last Written 09/26/03 02:32:22 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 eb8e3d88fa139565479bc8bc165485ea  
Comment US Passport

**18) this could be handy.jpg**

Item Path ID THEFT 1\Other Card Stuff>this could be handy.jpg  
File Created 10/01/03 03:36:06 AM  
Last Written 09/26/03 02:33:20 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 ac71089d0bfa0967983e4e8913f593d7  
Comment this can be used for counterfeiting of US Police

**19) top this.jpg**

Item Path ID THEFT 1\Other Card Stuff\top this.jpg  
File Created 10/01/03 03:36:11 AM  
Last Written 09/26/03 02:34:28 AM  
Last Accessed 09/30/03 10:00:00 AM

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of Report: 2023-Dec-01

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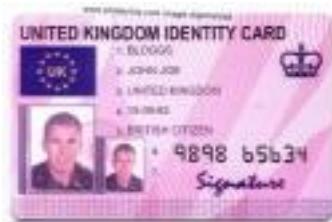
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MD5 cbf975c14a1e56cf671e549e78fe1f5a  
Comment picture clear enough to use the ID of the person for counterfeiting passports

**20) uk id 2.jpg**

Item Path ID THEFT 1\Other Card Stuff\uk id 2.jpg  
File Created 10/01/03 03:36:12 AM  
Last Written 09/26/03 02:31:14 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 19cfa61bb104bcbe200987b12973161f  
Comment UK ID can be used to counterfeit passport

**21) uk id.jpg**

Item Path ID THEFT 1\Other Card Stuff\uk id.jpg  
File Created 10/01/03 03:36:14 AM  
Last Written 09/26/03 02:31:04 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 5b4b015487be76cc99569604466c8c33  
Comment UK ID can be used to counterfeit passport

---

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**22) watch out.jpg**

Item Path ID THEFT 1\Other Card Stuff\watch out.jpg  
File Created 10/01/03 03:36:15 AM  
Last Written 09/26/03 02:32:32 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 2c943cf185db7c4ef5770ce888cf3e02  
Comment EU Student ID, that could be used to counterfeit passports

**23) blurry but good.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\blurry but good.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:34:06 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 4bd6f2681dfe059500d7a1cb80d38348  
Comment Possible IDs that could be used to counterfeit US Passports

---

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**24) fake ids.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\fake ids.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:32:14 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 ba6eeaeacde4446ea56d19783048b21b  
Comment bunch of fake IDs that could be used to counterfeit passports

**25) passport.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\passport.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:32:22 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 eb8e3d88fa139565479bc8bc165485ea  
Comment US Passport



Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

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**26) this could be handy.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\this could be handy.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:33:20 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 ac71089d0bfa0967983e4e8913f593d7  
Comment this can be used for counterfeiting of US Police

**27) top this.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\top this.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:34:28 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 cbf975c14a1e56cf671e549e78fe1f5a  
Comment picture clear enough to use the ID of the person for counterfeiting passports

**28) uk id 2.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\uk id 2.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:31:14 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 19cfa61bb104bcbe200987b12973161f

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## Comment

UK ID can be used to counterfeit passport



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**Theft of CC**

|    | Name                        | Logical Size | Item Type | Signature Analysis | File Type               |
|----|-----------------------------|--------------|-----------|--------------------|-------------------------|
| 1  | Am Ex Logo.jpg              | 1,659        | Entry     | Match              | JPEG Image Standard     |
| 2  | Amex Holo.jpg               | 6,482        | Entry     | Match              | JPEG Image Standard     |
| 3  | Amex Login Template.jpg     | 10,133       | Entry     | Match              | JPEG Image Standard     |
| 4  | Blue Template.bmp           | 16,438       | Entry     | Match              | Microsoft Bitmap Format |
| 5  | blurry but good.jpg         | 2,416        | Entry     | Match              | JPEG Image Standard     |
| 6  | it passed !.jpg             | 4,477        | Entry     | Match              | JPEG Image Standard     |
| 7  | made the news !!.jpg        | 118,816      | Entry     | Match              | JPEG Image Standard     |
| 8  | makin a deal.jpg            | 2,838        | Entry     | Match              | JPEG Image Standard     |
| 9  | This is why JCPENNY !!!.jpg | 101,580      | Entry     | Match              | JPEG Image Standard     |
| 10 | CCG1.gif                    | 32,049       | Entry     | Match              | GIF                     |
| 11 | CCG2.gif                    | 4,428        | Entry     | Match              | GIF                     |
| 12 | CCG3.gif                    | 4,553        | Entry     | Match              | GIF                     |
| 13 | Am Ex Logo.jpg              | 1,659        | Entry     | Match              | JPEG Image Standard     |
| 14 | Amex Holo.jpg               | 6,482        | Entry     | Match              | JPEG Image Standard     |
| 15 | Amex Login Template.jpg     | 10,133       | Entry     | Match              | JPEG Image Standard     |
| 16 | Blue Template.bmp           | 16,438       | Entry     | Match              | Microsoft Bitmap Format |
| 17 | CCG1.GIF                    | 32,049       | Entry     | Match              | GIF                     |
| 18 | CCG2.GIF                    | 4,428        | Entry     | Match              | GIF                     |
| 19 | CCG3.GIF                    | 4,553        | Entry     | Match              | GIF                     |
| 20 | it passed !.jpg             | 4,477        | Entry     | Match              | JPEG Image Standard     |
| 21 | made the news !!.jpg        | 118,816      | Entry     | Match              | JPEG Image Standard     |
| 22 | makin a deal.jpg            | 2,838        | Entry     | Match              | JPEG Image Standard     |
| 23 | This is why JCPENNY !!!.jpg | 101,580      | Entry     | Match              | JPEG Image Standard     |

**29) Am Ex Logo.jpg**

Item Path ID THEFT 1\Credit Cards\Am Ex Logo.jpg  
 File Created 10/01/03 03:36:35 AM  
 Last Written 09/26/03 02:42:18 AM  
 Last Accessed 09/30/03 10:00:00 AM  
 MD5 2906528ac7e18b8932b5265b2c0a0fc3

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Comment Amex Logo, found in folder where it could be used to generate a phishing site

**30) Amex Holo.jpg**

Item Path ID THEFT 1\Credit Cards\Amex Holo.jpg  
File Created 10/01/03 03:36:36 AM  
Last Written 09/26/03 02:42:24 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 82950b4203c4b7b81d638cb3dd9d6195  
Comment amex background, could be used to generate false credit cards

**31) Amex Login Template.jpg**

Item Path ID THEFT 1\Credit Cards\Amex Login Template.jpg  
File Created 10/01/03 03:36:37 AM  
Last Written 09/26/03 02:44:30 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 131ad631bd6b71c2e0e5fe911f63638a  
Comment template that suggest the use of phishing logins mimicking amex sites

---

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Initials: *Eden*

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**LOG IN** First-time user? [Register here](#) 

USER ID

PASSWORD

Select an Account

[Forgot your ID or Password?](#) | [Help](#)

**32) Blue Template.bmp**

Item Path ID THEFT 1\Credit Cards\Blue Template.bmp  
File Created 10/01/03 03:36:38 AM  
Last Written 09/26/03 02:43:50 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 6aba6730ea35fe47feb375ac43146eee  
Comment amex discount , used as a template as part of a phishing site

**33) blurry but good.jpg**

Item Path ID THEFT 1\Credit Cards\blurry but good.jpg  
File Created 10/01/03 03:36:39 AM  
Last Written 09/26/03 02:34:06 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 4bd6f2681dfe059500d7a1cb80d38348  
Comment ID of a person, might be used fo identity theft of persons credit card

**34) it passed!.jpg**

Item Path ID THEFT 1\Famous\it passed!.jpg  
File Created 10/01/03 03:36:24 AM  
Last Written 09/26/03 02:33:38 AM  
Last Accessed 09/30/03 10:00:00 AM

Prepared by: Eden Will Sng Jin Xuan #201520M

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MD5 1609cb6add2b3c0b6df33c6e58d2f97c  
 Comment photo showing elvis passing security



### 35) made the news !!.jpg

Item Path ID THEFT 1\Famous\made the news !!.jpg  
 File Created 10/01/03 03:36:25 AM  
 Last Written 09/26/03 02:49:20 AM  
 Last Accessed 09/30/03 10:00:00 AM  
 MD5 152128aa6dbe93baf8fadedb1996afa9  
 Comment elvis showcasing his fame, located in the famous folder

Two men charged with using "skimmers" to clone diners' credit cards

By David A. Cuccia, The Associated Press Jun 4 2003 6:30PM

Prosecutors allege two men copied credit cards by using a hand-held device they affectionately nicknamed "the mojo" to read the magnetic strips of cards that diners used to pay their bills.

Prosecutors said investigators at American Express uncovered the scheme when they noticed that several customers complaining about mysterious charges had all dined at either of two Philadelphia restaurants where one suspect worked as a waiter.

Anis Kathbouni and Falak Bensalem were charged the week, with credit card fraud and other counts and arraigned in federal court Friday.

Prosecutors said Kathbouni, 31, a waiter, used a beepер-abled "skimmer" to extract information from the cards of people dining at the Bistro Saint Tropez and the Old Philadelphia Tavern. Bensalem is accused of downloading the data to a machine capable of making counterfeit cards, and using them to make purchases in other states.

Fraud with credit-card cloning devices is increasingly common, authorities said. Card readers and writers can be purchased legally for a few hundred dollars over the Internet.

Agents identified at least 13 victims and about \$60,000 in purchases, but there may be more. Dissecting Kathbouni has cooperated in the probe since his arrest Tuesday and claims he made at least 100 "good skims."

Bensalem was arrested outside his Warminster home Thursday, and ordered held pending a bail hearing. Kathbouni, of Southampton, was released on \$50,000 bond on the condition he wear an electronic monitor.

Kathbouni's lawyer, Paul Holl, did not immediately return a phone call Friday. The federal defender's office in Philadelphia, assigned to represent Bensalem, declined to comment on the case.

### 36) makin a deal.jpg

Item Path ID THEFT 1\Famous\makin a deal.jpg  
 File Created 10/01/03 03:36:26 AM  
 Last Written 09/26/03 02:33:20 AM  
 Last Accessed 10/03/03 10:00:00 AM  
 MD5 d60f30fbdd066ed8d4e0a6ed0529a4d8  
 Comment photo that might relate to the theft of credit cards

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**37) This is why JCPENNY !!!.jpg**

Item Path ID THEFT 1\Famous\This is why JCPENNY !!!.jpg  
 File Created 10/01/03 03:36:27 AM  
 Last Written 09/26/03 02:39:18 AM  
 Last Accessed 10/03/03 10:00:00 AM  
 MD5 9b2f08e14bc866ba1ea28ed000638f2d  
 Comment Photo of email that shows credit card fraud

[Back to the Complaints.com Home Page](#)

[Complaint of the Day Archive \(Past Days\)](#)

[Subscribe to our free newsletter: The Top 10 Complaints of the Day](#)

[Complaints of the Day e-Message # 5 for November 3, 2002](#)

[Next Complaint of the Day](#)

Complaints.com received the following consumer message on November 2, 2002:

From: LindaPawels@Q10.com

RE: JC Penny - lost credit card 4 months ago - \$ 600 in fraudulent charges resulted - given no help from JC Penny

I lost my JC Penny's credit card approximately four months ago. Since then there is now a balance of \$600 + on my account. I have repeatedly called the Customer Service department and Fraud department to no avail. I have explained to them via verbal that I did not make my purchases.

I had not used the card in the past and suddenly I picked up a \$600 charge within 10 minutes. That should have been a red flag to someone, but they did not. I went to the Fraud department and received a letter from them a month later informing me that the signature matched mine, and my card had been scanned. Of course, it was scanned by someone other than me.

Now I am receiving daily calls informing me that I am past due on my balance. It is NOT MY balance. I have called six times in order to speak with a customer service representative - I am either put on hold or disconnected.

Could someone please help me resolve this problem. I have had good credit in the past and I do not want this crazy episode to ruin it. I can't seem to get any results from writing or calling. What else can I do? PLEASE HELP!

**38) CCG1.gif**

Item Path ID THEFT 1\Other Card Stuff\CCG1.gif  
 File Created 10/01/03 03:35:59 AM  
 Last Written 09/26/03 01:54:20 AM  
 Last Accessed 09/30/03 10:00:00 AM  
 MD5 4c788cfa828ee54b35f403875bd7ffe2  
 Comment credit card generator image

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of Report: 2023-Dec-01

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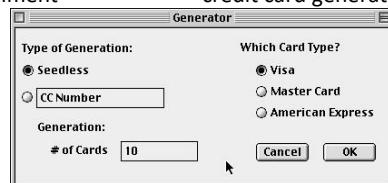
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**39) CCG2.gif**

Item Path ID THEFT 1\Other Card Stuff\CCG2.gif  
File Created 10/01/03 03:36:00 AM  
Last Written 09/26/03 01:54:14 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 bcf5377db6e8b5148469e4a58f6d6442  
Comment credit card generator image 2

**40) CCG3.gif**

Item Path ID THEFT 1\Other Card Stuff\CCG3.gif  
File Created 10/01/03 03:36:01 AM  
Last Written 09/26/03 01:54:16 AM  
Last Accessed 09/30/03 10:00:00 AM  
MD5 50c326780d7a01707f03c43e48e4cabb  
Comment credit card generator 3, shows list of credit cards generated

---

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

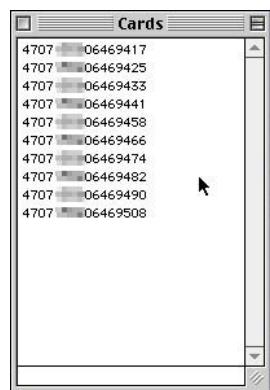
Date of Report: 2023-Dec-01

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**41) Am Ex Logo.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\Am Ex Logo.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:42:18 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 2906528ac7e18b8932b5265b2c0a0fc3  
Comment Amex Logo, found in folder where it could be used to generate a phishing site

**42) Amex Holo.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\Amex Holo.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:42:24 PM

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Last Accessed 11/29/03 06:29:30 PM  
MD5 82950b4203c4b7b81d638cb3dd9d6195  
Comment amex background, could be used to generate false credit cards

**43) Amex Login Template.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\Amex Login Template.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:44:30 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 131ad631bd6b71c2e0e5fe911f63638a  
Comment template that suggest the use of phishing logins mimicking amex sites

**44) Blue Template.bmp**

Item Path DAY 2 MWF\FAKE ID PIX\Blue Template.bmp  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:43:50 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 6aba6730ea35fe47feb375ac43146eee  
Comment amex discount , used as a template as part of a phishing site

**45) CCG1.GIF**

Item Path DAY 2 MWF\FAKE ID PIX\CCG1.GIF  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 04:54:20 PM  
Last Accessed 11/29/03 06:29:30 PM

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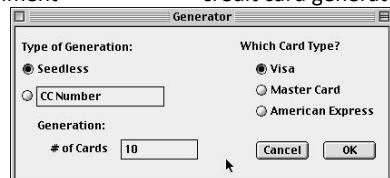
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MD5 4c788cf828ee54b35f403875bd7ffe2  
Comment credit card generator image



#### 46) CCG2.GIF

Item Path DAY 2 MWF\FAKE ID PIX\CCG2.GIF  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 04:54:14 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 bcf5377db6e8b5148469e4a58f6d6442  
Comment credit card generator image 2



#### 47) CCG3.GIF

Item Path DAY 2 MWF\FAKE ID PIX\CCG3.GIF  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 04:54:16 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 50c326780d7a01707f03c43e48e4cabb  
Comment credit card generator 3, shows list of credit cards generated

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

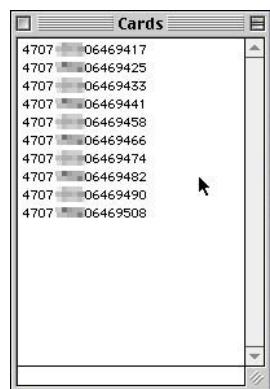
Date of Report: 2023-Dec-01

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**48) it passed !.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\it passed !.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:33:38 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 1609cb6add2b3c0b6df33c6e58d2f97c  
Comment photo showing elvis passing security

**49) made the news !!.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\made the news !!.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:49:20 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 152128aa6dbe93baf8fadedb1996afa9  
Comment elvis showcasing his fame, located in the famous folder

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**Two men charged with using "skimmer" to clone diners' credit cards**

By David B. Catanese, The Associated Press Jun. 6 2003 6:30PM

Prosecutors allege two men copied credit cards by using a hand-held device they affectionately nicknamed "the mojo" to read the magnetic strips of cards that diners used to pay their bills.

Prosecutors said investigators at American Express uncovered the scheme when they noticed that several customers complaining about mysterious charges had all dined at either of two Philadelphia restaurants where one suspect worked as a waiter.

Anis Kalthoumi and Fakher Bensalem were charged this week with credit card fraud and other counts and arraigned in federal court Friday.

Prosecutors said Kalthoumi, the waiter, used a beeper-sized "skimmer" to extract information from the cards of people dining at the Bistro Saint Tropez and the Old Philadelphia Tavern. Bensalem is accused of downloading the data to a machine capable of making counterfeit cards, and using them to make purchases in other states.

Fraud with credit-card cloning devices is increasingly common, authorities said. Card readers and writers can be purchased legally for a few hundred dollars over the Internet.

Agents identified at least 13 victims and about \$60,000 in purchases, but there may be more. Prosecutors said Kalthoumi has cooperated in the probe since his arrest Tuesday and claims he made at least 100 "good slims."

Bensalem was arrested outside his Warminster home Thursday, and ordered held pending a bail hearing. Kalthoumi, of Southampton, was released on \$50,000 bond on the condition he wear an electronic monitor.

Kalthoumi's lawyer, Paul Holl, did not immediately return a phone call Friday. The federal defender's office in Philadelphia, assigned to represent Bensalem, declined to comment on the case.

**50) makin a deal.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\makin a deal.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:33:20 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 d60f30fbdd066ed8d4e0a6ed0529a4d8  
Comment photo that might relate to the theft of credit cards



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**51) This is why JCPENNY !!!.jpg**

Item Path DAY 2 MWF\FAKE ID PIX\This is why JCPENNY!!!.jpg  
File Created 11/29/03 06:29:30 PM  
Last Written 09/26/03 05:39:18 PM  
Last Accessed 11/29/03 06:29:30 PM  
MD5 9b2f08e14bc866ba1ea28ed000638f2d  
Comment Photo of email that shows credit card fraud.

[Back to the Complaints.com Home Page](#)

[Complaint of the Day Archive \(Past Days\)](#)

[Subscribe to our free newsletter: The Top 10 Complaints of the Day](#)

[Complaints of the Day e-Message # 5 for November 3, 2002](#)

[Next Complaint of the Day](#)

Complaints.com received the following consumer message on November 2, 2002:

From: LindaPaw@prodigy.net

RE: JC Penny - lost credit card 4 months ago - \$ 600 in fraudulent charges resulted - given no help from JC Penny

I lost my JC Penny's credit card approximately four months ago. Since then there is now a balance of \$600 + on my account. I have repeatedly called the Customer Service department and Fraud department to no avail. I have explained to them in writing and verbal that these are not my charges.

I had not used the card in five years and suddenly I racked up a \$600 charge within 18 minutes. That should have sent a red flag to someone, but of course it did not. I went to the Fraud department and received a letter from them a month later informing me that the signature matched mine, and my card had been stolen.

Now I am receiving daily calls informing me that I am past due on my balance. It is NOT MY balance. I have called six times in order to speak with a customer service representative - I am either put on hold or disconnected.

Could someone please help me resolve this problem. I have had good credit in the past and I do not want this crazy episode to ruin it. I can't seem to get any results from writing or calling. What else can I do? PLEASE HELP!

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## Internet Artifacts

### [Internet Explorer]

The following artifacts were found in the Internet Explorer Cache.

### [Firefox]

The following artifacts were found in the Firefox cache.

### [Chrome]

The following artifacts were found in the Chrome cache.

#### 52) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT  
Comment History of Elvis visiting american express website  
Internet Artifact Type History\Typed URL  
Title url3  
Url Name http://www.americanexpress.com/  
Url Host www.americanexpress.com/  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 66

#### 53) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT  
Comment Card stealing information site  
Internet Artifact Type History\Typed URL  
Title url5  
Url Name www.stealmycard.net  
Url Host www.stealmycard.net  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 52

#### 54) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT  
Comment ID theft stealing website  
Internet Artifact Type History\Typed URL  
Title url6  
Url Name www.lostID.com  
Url Host www.lostID.com  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 48

#### 55) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT

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Comment Credit card stealing phishing site

Internet Artifact Type History\Typed URL  
Title url9  
Url Name www.creditstealer.com  
Url Host www.creditstealer.com  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 46

#### 56) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT  
Comment fake id generating site  
Internet Artifact Type History\Typed URL  
Title url10  
Url Name http://www.fakeid.com/  
Url Host www.fakeid.com/  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 50

#### 57) NTUSER.DAT

Item Path Internet Explorer (Windows)\History\Typed URL\NTUSER.DAT  
Comment id theft site for stealing ids  
Internet Artifact Type History\Typed URL  
Title url12  
Url Name http://www.idtheft.com/  
Url Host www.idtheft.com/  
Last Modification Time 09/26/03 05:12:13 PM  
Browser Type Internet Explorer (Windows)  
Message Size 50

#### Examiner Note [Analysis]

Here are my findings for the timeline analysis

This can be achieved by running enscript MACE timeline script to output the timeline analysis.

#### ID THEFT 2

26/9/2003

Observation, With timeline analysis of Modification, many files are just being copied over from another place.

1/10/2003

Files are now frequently flagged with Access and Created, This suggest that Elvis the hut was actively committing counterfeiting of US Currency and US passports. As well as Theft of credit card.

Around this day is one of the highest heights of his activity.

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4/10/2003

Elvis the hut seems satisfied with his results of being known, he has used this opportunity to create txt files that illustrates his credit fraud success on the news, and the activities he has done

## DAY 2 MWF

No activities were found much below 11/11/2003

On 11/11/2003 interesting word document was created

|            |         |   |   |   |   |   |  |
|------------|---------|---|---|---|---|---|--|
| 11/11/2003 | 9:29:26 | . | A | C | . | . | Documents and Settings\Bad Guy 2K\Desktop\Thumb Files\digicam XP - Thumbs.db |
| 11/11/2003 | 6:10:59 | . | . | E | . | . | Documents and Settings\Bad Guy 2K\Desktop\Thumb Files\digicam XP - Thumbs.db |
| 11/11/2003 | 2:45:36 | M | . | . | . | . | Documents and Settings\Bad Guy 2K\Desktop\COOL WORD DOCUMENT.doc             |
| 11/11/2003 | 9:29:26 | . | A | C | . | . | Documents and Settings\Bad Guy 2K\Desktop\COOL WORD DOCUMENT.doc             |
| 11/11/2003 | 3:00:47 | . | . | E | . | . | Documents and Settings\Bad Guy 2K\Desktop\COOL WORD DOCUMENT.doc             |
| 11/11/2003 | 2:55:42 | M | . | . | . | . | Documents and Settings\Bad Guy 2K\Desktop\WICKED WORD DOCUMENT.doc           |
| 11/11/2003 | 9:30:17 | . | A | . | . | . | Documents and Settings\Bad Guy 2K\Desktop\WICKED WORD DOCUMENT.doc           |
| 11/11/2003 | 9:30:07 | . | . | C | . | . | Documents and Settings\Bad Guy 2K\Desktop\WICKED WORD DOCUMENT.doc           |
| 11/11/2003 | 7:30:38 | . | . | E | . | . | Documents and Settings\Bad Guy 2K\Desktop\WICKED WORD DOCUMENT.doc           |
| 11/11/2003 | 9:29:26 | M | A | C | E | . | Documents and Settings\Bad Guy 2K\Favorites                                  |

This suggest Elvis activities were still ongoing.

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On 30/11/2003

Elvis activities begin creating Fake IDs files that are aiming to phish users for their credit card credentials

This strongly suggest elvis intentions to commit theft of credit cards

|            |         |   |   |   |   |   |                                     |
|------------|---------|---|---|---|---|---|-------------------------------------|
| 30/11/2003 | 9:29:30 | M | A | C | E | . | FAKE ID PIX                         |
| 30/11/2003 | 7:45:16 | M | . | . | . | . | FAKE ID PIX\50 off.jpg              |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\50 off.jpg              |
| 30/11/2003 | 1:08:12 | . | . | . | E | . | FAKE ID PIX\50 off.jpg              |
| 30/11/2003 | 7:42:18 | M | . | . | . | . | FAKE ID PIX\Am Ex Logo.jpg          |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\Am Ex Logo.jpg          |
| 30/11/2003 | 1:08:03 | . | . | . | E | . | FAKE ID PIX\Am Ex Logo.jpg          |
| 30/11/2003 | 7:42:24 | M | . | . | . | . | FAKE ID PIX\Amex Holo.jpg           |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\Amex Holo.jpg           |
| 30/11/2003 | 1:08:03 | . | . | . | E | . | FAKE ID PIX\Amex Holo.jpg           |
| 30/11/2003 | 7:44:30 | M | . | . | . | . | FAKE ID PIX\Amex Login Template.jpg |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\Amex Login Template.jpg |
| 30/11/2003 | 1:08:03 | . | . | . | E | . | FAKE ID PIX\Amex Login Template.jpg |
| 30/11/2003 | 7:47:54 | M | . | . | . | . | FAKE ID PIX\BEWARE !!.jpg           |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\BEWARE !!.jpg           |
| 30/11/2003 | 1:08:12 | . | . | . | E | . | FAKE ID PIX\BEWARE !!.jpg           |
| 30/11/2003 | 7:43:50 | M | . | . | . | . | FAKE ID PIX\Blue Template.bmp       |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\Blue Template.bmp       |
| 30/11/2003 | 1:08:03 | . | . | . | E | . | FAKE ID PIX\Blue Template.bmp       |
| 30/11/2003 | 7:34:06 | M | . | . | . | . | FAKE ID PIX\blurry but good.jpg     |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\blurry but good.jpg     |
| 30/11/2003 | 1:08:03 | . | . | . | E | . | FAKE ID PIX\blurry but good.jpg     |
| 30/11/2003 | 6:54:20 | M | . | . | . | . | FAKE ID PIX\CCG1.GIF                |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\CCG1.GIF                |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\CCG1.GIF                |
| 30/11/2003 | 6:54:14 | M | . | . | . | . | FAKE ID PIX\CCG2.GIF                |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\CCG2.GIF                |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\CCG2.GIF                |
| 30/11/2003 | 6:54:16 | M | . | . | . | . | FAKE ID PIX\CCG3.GIF                |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\CCG3.GIF                |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\CCG3.GIF                |
| 30/11/2003 | 7:45:22 | M | . | . | . | . | FAKE ID PIX\dots off.jpg            |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\dots off.jpg            |
| 30/11/2003 | 1:08:12 | . | . | . | E | . | FAKE ID PIX\dots off.jpg            |
| 30/11/2003 | 7:31:22 | M | . | . | . | . | FAKE ID PIX\dreamin.jpg             |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\dreamin.jpg             |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\dreamin.jpg             |
| 30/11/2003 | 7:32:14 | M | . | . | . | . | FAKE ID PIX\fake ids.jpg            |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\fake ids.jpg            |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\fake ids.jpg            |
| 30/11/2003 | 7:31:50 | M | . | . | . | . | FAKE ID PIX\harry.jpg               |
| 30/11/2003 | 9:29:30 | . | A | C | . | . | FAKE ID PIX\harry.jpg               |
| 30/11/2003 | 1:07:44 | . | . | . | E | . | FAKE ID PIX\harry.jpg               |

1/12/2003

Files were recovered for unknown reasons.

Printer services was used for unknown purposes.

#### Timeline Analysis of ID Theft (selected Items)

| Date      | Time     | M | A | C | E | D | Full Path                           |
|-----------|----------|---|---|---|---|---|-------------------------------------|
| 26/9/2003 | 16:45:16 | M | . | . | . | . | \$\$\$\$\\$50 off.jpg               |
| 26/9/2003 | 16:47:54 | M | . | . | . | . | \$\$\$\$\\$BEWARE !!.jpg            |
| 26/9/2003 | 16:45:40 | M | . | . | . | . | \$\$\$\$\\$dots off 2.jpg           |
| 26/9/2003 | 16:45:22 | M | . | . | . | . | \$\$\$\$\\$dots off.jpg             |
| 26/9/2003 | 16:47:20 | M | . | . | . | . | \$\$\$\$\\$High Dollar Purchase.jpg |
| 26/9/2003 | 16:45:46 | M | . | . | . | . | \$\$\$\$\\$note detail.jpg          |

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|           |          |   |   |   |   |   |  |
|-----------|----------|---|---|---|---|---|--|
| 26/9/2003 | 16:46:10 | M | . | . | . | . | \$\$\$\$\\note more detail.jpg           |
| 26/9/2003 | 16:47:34 | M | . | . | . | . | \$\$\$\$\\PREVENT THIS.jpg               |
| 26/9/2003 | 16:42:18 | M | . | . | . | . | Credit Cards\\Am Ex Logo.jpg             |
| 26/9/2003 | 16:42:24 | M | . | . | . | . | Credit Cards\\Amex Holo.jpg              |
| 26/9/2003 | 16:44:30 | M | . | . | . | . | Credit Cards\\Amex Login Template.jpg    |
| 26/9/2003 | 16:43:50 | M | . | . | . | . | Credit Cards\\Blue Template.bmp          |
| 26/9/2003 | 16:34:06 | M | . | . | . | . | Credit Cards\\blurry but good.jpg        |
| 26/9/2003 | 16:33:38 | M | . | . | . | . | Famous\\it passed !.jpg                  |
| 26/9/2003 | 16:49:20 | M | . | . | . | . | Famous\\made the news !!.jpg             |
| 26/9/2003 | 16:33:20 | M | . | . | . | . | Famous\\makin a deal.jpg                 |
| 26/9/2003 | 16:39:18 | M | . | . | . | . | Famous\\This is why JCPENNY !!!.jpg      |
| 26/9/2003 | 16:36:50 | M | . | . | . | . | JC PENNY\\Jc Penny Credit Cards Applica  |
| 26/9/2003 | 16:35:56 | M | . | . | . | . | JC PENNY\\Jc Penny Credit Cards Applica  |
| 26/9/2003 | 16:35:56 | M | . | . | . | . | JC PENNY\\Jc Penny Credit Cards Applica  |
| 26/9/2003 | 16:36:50 | M | . | . | . | . | JC PENNY\\Jc Penny Credit Cards Applica  |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | JC PENNY\\JCPenney_files\\BOUT_US.G      |
| 26/9/2003 | 16:40:04 | M | . | . | . | . | JC PENNY\\JCPenney_files\\RACKET.GIF     |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | JC PENNY\\JCPenney_files\\button_go.gif  |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | JC PENNY\\JCPenney_files\\_ATALOG.GIF    |
| 26/9/2003 | 16:39:48 | M | . | . | . | . | JC PENNY\\JCPenney_files\\childrens_nav  |
| 26/9/2003 | 16:40:04 | M | . | . | . | . | JC PENNY\\JCPenney_files\\clearance_na   |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | JC PENNY\\JCPenney_files\\ONTACT.GIF     |
| 26/9/2003 | 16:36:50 | M | . | . | . | . | JC PENNY\\Jc Penny Credit Cards Applica  |
| 26/9/2003 | 16:40:22 | M | . | . | . | . | JC PENNY\\JCPenney.htm                   |
| 26/9/2003 | 15:54:20 | M | . | . | . | . | Other Card Stuff\\CCG1.gif               |
| 26/9/2003 | 15:54:14 | M | . | . | . | . | Other Card Stuff\\CCG2.gif               |
| 26/9/2003 | 15:54:16 | M | . | . | . | . | Other Card Stuff\\CCG3.gif               |
| 26/9/2003 | 16:31:22 | M | . | . | . | . | Other Card Stuff\\dreamin.jpg            |
| 26/9/2003 | 16:32:14 | M | . | . | . | . | Other Card Stuff\\fake ids.jpg           |
| 26/9/2003 | 16:31:50 | M | . | . | . | . | Other Card Stuff\\harry.jpg              |
| 26/9/2003 | 16:32:52 | M | . | . | . | . | Other Card Stuff\\new logo.jpg           |
| 26/9/2003 | 16:32:22 | M | . | . | . | . | Other Card Stuff\\passport.jpg           |
| 26/9/2003 | 16:33:20 | M | . | . | . | . | Other Card Stuff\\this could be handy.jp |
| 26/9/2003 | 17:08:38 | M | . | . | . | . | Other Card Stuff\\Thumbs.db              |
| 26/9/2003 | 16:34:28 | M | . | . | . | . | Other Card Stuff\\top this.jpg           |
| 26/9/2003 | 16:31:14 | M | . | . | . | . | Other Card Stuff\\uk id 2.jpg            |
| 26/9/2003 | 16:31:04 | M | . | . | . | . | Other Card Stuff\\uk id.jpg              |
| 26/9/2003 | 16:32:32 | M | . | . | . | . | Other Card Stuff\\watch out.jpg          |
| 26/9/2003 | 15:37:14 | M | . | . | . | . | BEEFEDUP                                 |
| 26/9/2003 | 16:15:34 | M | . | . | . | . | SAM                                      |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

Date of Report: 2023-Dec-01

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|           |          |   |   |   |   |   |  |
|-----------|----------|---|---|---|---|---|--|
| 26/9/2003 | 0:00:00  | . | A | . | . | . | SAM                                    |
| 26/9/2003 | 17:32:30 | . | . | C | . | . | SAM                                    |
| 26/9/2003 | 16:15:34 | M | . | . | . | . | SECURITY                               |
| 26/9/2003 | 0:00:00  | . | A | . | . | . | SECURITY                               |
| 26/9/2003 | 17:32:32 | . | . | C | . | . | SECURITY                               |
| 26/9/2003 | 16:17:00 | M | . | . | . | . | system                                 |
| 26/9/2003 | 0:00:00  | . | A | . | . | . | system                                 |
| 26/9/2003 | 17:33:30 | . | . | C | . | . | system                                 |
| 26/9/2003 | 17:12:36 | M | . | . | . | . | NTUSER.DAT                             |
| 26/9/2003 | 0:00:00  | . | A | . | . | . | NTUSER.DAT                             |
| 26/9/2003 | 17:33:41 | . | . | C | . | . | NTUSER.DAT                             |
| 26/9/2003 | 16:34:06 | M | . | . | . | . | blurry but good.jpg                    |
| 26/9/2003 | 16:43:10 | M | . | . | . | . | chase template.gif                     |
| 26/9/2003 | 16:42:24 | M | . | . | . | . | Amex Holo.jpg                          |
| 26/9/2003 | 16:44:30 | M | . | . | . | . | Amex Login Template.jpg                |
| 26/9/2003 | 16:09:44 | M | . | . | . | . | Am Ex Stuff.t                          |
| 26/9/2003 | 17:31:08 | M | . | . | . | . | How to Steal IDs.doc                   |
| 26/9/2003 | 16:43:50 | M | . | . | . | . | Blue Template.bmp                      |
| 26/9/2003 | 16:40:04 | M | . | . | . | . | Recovered Folders\Folder1\USTOM~1      |
| 26/9/2003 | 16:40:00 | M | . | . | . | . | Recovered Folders\Folder1\electronics  |
| 26/9/2003 | 16:40:02 | M | . | . | . | . | Recovered Folders\Folder1\gifts_nav.gi |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | Recovered Folders\Folder1\gift_cards.g |
| 26/9/2003 | 16:39:56 | M | . | . | . | . | Recovered Folders\Folder1\home_shop    |
| 26/9/2003 | 16:40:20 | M | . | . | . | . | Recovered Folders\Folder1\jcpenney_h   |
| 26/9/2003 | 16:40:22 | M | . | . | . | . | Recovered Folders\Folder2\CPSTY~1.C    |
| 26/9/2003 | 16:39:52 | M | . | . | . | . | Recovered Folders\Folder2\jewelry_nav  |
| 26/9/2003 | 16:39:48 | M | . | . | . | . | Recovered Folders\Folder2\_ENS_NAV.    |
| 26/9/2003 | 16:39:40 | M | . | . | . | . | Recovered Folders\Folder2\NewLogo.R    |
| 26/9/2003 | 16:40:04 | M | . | . | . | . | Recovered Folders\Folder2\other_quali  |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | Recovered Folders\Folder2\_EARCH.GIF   |
| 26/9/2003 | 16:39:52 | M | . | . | . | . | Recovered Folders\Folder2\shoes_nav.   |
| 26/9/2003 | 16:40:04 | M | . | . | . | . | Recovered Folders\Folder3\_HOPPI~1.C   |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | Recovered Folders\Folder3\shop_from    |
| 26/9/2003 | 16:39:42 | M | . | . | . | . | Recovered Folders\Folder3\_PACER.GIF   |
| 26/9/2003 | 16:40:00 | M | . | . | . | . | Recovered Folders\Folder3\sports_leisu |
| 26/9/2003 | 16:40:02 | M | . | . | . | . | Recovered Folders\Folder3\StoreAd_lin  |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | Recovered Folders\Folder3\store_locat  |
| 26/9/2003 | 16:40:06 | M | . | . | . | . | Recovered Folders\Folder4\_UBSCR~1.C   |
| 26/9/2003 | 16:40:00 | M | . | . | . | . | Recovered Folders\Folder4\T1.C1.Welc   |
| 26/9/2003 | 16:39:48 | M | . | . | . | . | Recovered Folders\Folder4\T1.C2.Welc   |
| 26/9/2003 | 16:39:58 | M | . | . | . | . | Recovered Folders\Folder4\T1.C3.Welc   |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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|-----------|----------|---|---|---|---|---|---|--|
| 26/9/2003 | 16:40:04 | M | . | . | . | . | . | Recovered Folders\Folder4\T1.C4.Welc   |
| 26/9/2003 | 16:39:58 | M | . | . | . | . | . | Recovered Folders\Folder4\_OYS_NAV.    |
| 26/9/2003 | 16:39:40 | M | . | . | . | . | . | Recovered Folders\Folder4\Validation.j |
| 26/9/2003 | 16:39:42 | M | . | . | . | . | . | Recovered Folders\Folder5\womens_n     |
| 1/10/2003 | 17:36:52 | M | . | . | . | . | . | \$\$\$\$                               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$                               |
| 1/10/2003 | 17:36:50 | . | . | C | . | . | . | \$\$\$\$                               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$50 off.jpg                  |
| 1/10/2003 | 17:36:50 | . | . | C | . | . | . | \$\$\$\$\\$50 off.jpg                  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$BEWARE !!.jpg               |
| 1/10/2003 | 17:36:51 | . | . | C | . | . | . | \$\$\$\$\\$BEWARE !!.jpg               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$dots off 2.jpg              |
| 1/10/2003 | 17:36:52 | . | . | C | . | . | . | \$\$\$\$\\$dots off 2.jpg              |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$dots off.jpg                |
| 1/10/2003 | 17:36:53 | . | . | C | . | . | . | \$\$\$\$\\$dots off.jpg                |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$High Dollar Purchase.jpg    |
| 1/10/2003 | 17:36:54 | . | . | C | . | . | . | \$\$\$\$\\$High Dollar Purchase.jpg    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$note detail.jpg             |
| 1/10/2003 | 17:36:55 | . | . | C | . | . | . | \$\$\$\$\\$note detail.jpg             |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$note more detail.jpg        |
| 1/10/2003 | 17:36:57 | . | . | C | . | . | . | \$\$\$\$\\$note more detail.jpg        |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | \$\$\$\$\\$PREVENT THIS.jpg            |
| 1/10/2003 | 17:36:58 | . | . | C | . | . | . | \$\$\$\$\\$PREVENT THIS.jpg            |
| 1/10/2003 | 17:36:36 | M | . | . | . | . | . | Credit Cards                           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards                           |
| 1/10/2003 | 17:36:35 | . | . | C | . | . | . | Credit Cards                           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards\Am Ex Logo.jpg            |
| 1/10/2003 | 17:36:35 | . | . | C | . | . | . | Credit Cards\Am Ex Logo.jpg            |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards\Amex Holo.jpg             |
| 1/10/2003 | 17:36:36 | . | . | C | . | . | . | Credit Cards\Amex Holo.jpg             |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards\Amex Login Template.jpg   |
| 1/10/2003 | 17:36:37 | . | . | C | . | . | . | Credit Cards\Amex Login Template.jpg   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards\Blue Template.bmp         |
| 1/10/2003 | 17:36:38 | . | . | C | . | . | . | Credit Cards\Blue Template.bmp         |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Credit Cards\blurry but good.jpg       |
| 1/10/2003 | 17:36:39 | . | . | C | . | . | . | Credit Cards\blurry but good.jpg       |
| 1/10/2003 | 17:36:24 | M | . | . | . | . | . | Famous                                 |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Famous                                 |
| 1/10/2003 | 17:36:23 | . | . | C | . | . | . | Famous                                 |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | . | Famous\it passed!.jpg                  |
| 1/10/2003 | 17:36:24 | . | . | C | . | . | . | Famous\it passed!.jpg                  |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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|-----------|----------|---|---|---|---|---|--|
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Famous\made the news !!.jpg            |
| 1/10/2003 | 17:36:25 | . | . | C | . | . | Famous\made the news !!.jpg            |
| 1/10/2003 | 17:36:26 | . | . | C | . | . | Famous\makin a deal.jpg                |
| 1/10/2003 | 17:36:27 | . | . | C | . | . | Famous\This is why JCPENNY !!!.jpg     |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Copy of Overwrite Me !.txt      |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Copy (2) of Overwrite Me !.txt  |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Copy (3) of Overwrite Me !.txt  |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\_OPY(2~1.TXT                    |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Overwrite Me !.txt              |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Copy (4) of Overwrite Me !.txt  |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Famous\Copy (5) of Overwrite Me !.txt  |
| 1/10/2003 | 17:34:58 | M | . | . | . | . | JC PENNY                               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY                               |
| 1/10/2003 | 17:34:57 | . | . | C | . | . | JC PENNY                               |
| 1/10/2003 | 17:35:42 | M | . | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:40 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:40 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:41 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:42 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:43 | . | . | C | . | . | 5463217.gif                            |
| 1/10/2003 | 17:35:43 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 1/10/2003 | 17:35:02 | M | . | . | . | . | 5463217.gif                            |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files                |
| 1/10/2003 | 17:35:00 | . | . | C | . | . | JC PENNY\JCPenney_files                |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\_BOUT_US.G     |
| 1/10/2003 | 17:35:00 | . | . | C | . | . | JC PENNY\JCPenney_files\_BOUT_US.G     |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\_RACKET.GIF    |
| 1/10/2003 | 17:35:01 | . | . | C | . | . | JC PENNY\JCPenney_files\_RACKET.GIF    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\button_go.gif  |
| 1/10/2003 | 17:35:02 | . | . | C | . | . | JC PENNY\JCPenney_files\button_go.gif  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\_ATALOG.GIF    |
| 1/10/2003 | 17:35:02 | . | . | C | . | . | JC PENNY\JCPenney_files\_ATALOG.GIF    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\childrens_nav  |
| 1/10/2003 | 17:35:03 | . | . | C | . | . | JC PENNY\JCPenney_files\childrens_nav  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\clearance_n    |

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|-----------|----------|---|---|---|---|---|---|
| 1/10/2003 | 17:35:04 | . | . | C | . | . | JC PENNY\JCPenney_files\clearance_na    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney_files\_ONTACT.GIF     |
| 1/10/2003 | 17:35:05 | . | . | C | . | . | JC PENNY\JCPenney_files\_ONTACT.GIF     |
| 1/10/2003 | 17:34:58 | . | . | C | . | . | JC PENNY\Jc Penny Credit Cards Applica  |
| 1/10/2003 | 17:34:59 | . | . | C | . | . | JC PENNY\JCPenney.htm                   |
| 1/10/2003 | 17:36:00 | M | . | . | . | . | Other Card Stuff                        |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff                        |
| 1/10/2003 | 17:35:58 | . | . | C | . | . | Other Card Stuff                        |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\CCG1.gif               |
| 1/10/2003 | 17:35:59 | . | . | C | . | . | Other Card Stuff\CCG1.gif               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\CCG2.gif               |
| 1/10/2003 | 17:36:00 | . | . | C | . | . | Other Card Stuff\CCG2.gif               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\CCG3.gif               |
| 1/10/2003 | 17:36:01 | . | . | C | . | . | Other Card Stuff\CCG3.gif               |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\dreamin.jpg            |
| 1/10/2003 | 17:36:02 | . | . | C | . | . | Other Card Stuff\dreamin.jpg            |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\fake ids.jpg           |
| 1/10/2003 | 17:36:03 | . | . | C | . | . | Other Card Stuff\fake ids.jpg           |
| 1/10/2003 | 17:36:04 | . | . | C | . | . | Other Card Stuff\harry.jpg              |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\new logo.jpg           |
| 1/10/2003 | 17:36:05 | . | . | C | . | . | Other Card Stuff\new logo.jpg           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\passport.jpg           |
| 1/10/2003 | 17:36:06 | . | . | C | . | . | Other Card Stuff\passport.jpg           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff>this could be handy.jp |
| 1/10/2003 | 17:36:06 | . | . | C | . | . | Other Card Stuff>this could be handy.jp |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\Thumbs.db              |
| 1/10/2003 | 17:36:09 | . | . | C | . | . | Other Card Stuff\Thumbs.db              |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\top this.jpg           |
| 1/10/2003 | 17:36:11 | . | . | C | . | . | Other Card Stuff\top this.jpg           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\uk id 2.jpg            |
| 1/10/2003 | 17:36:12 | . | . | C | . | . | Other Card Stuff\uk id 2.jpg            |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\uk id.jpg              |
| 1/10/2003 | 17:36:14 | . | . | C | . | . | Other Card Stuff\uk id.jpg              |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\watch out.jpg          |
| 1/10/2003 | 17:36:15 | . | . | C | . | . | Other Card Stuff\watch out.jpg          |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Other Card Stuff\Overwrite Me!.txt      |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Other Card Stuff\Copy of Overwrite Me   |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Other Card Stuff\Copy (2) of Overwrite  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | blurry but good.jpg                     |
| 1/10/2003 | 17:37:45 | . | . | C | . | . | blurry but good.jpg                     |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | chase template.gif                      |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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|-----------|----------|---|---|---|---|---|---|
| 1/10/2003 | 17:37:46 | . | . | C | . | . | chase template.gif                      |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Amex Holo.jpg                           |
| 1/10/2003 | 17:37:47 | . | . | C | . | . | Amex Holo.jpg                           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Amex Login Template.jpg                 |
| 1/10/2003 | 17:37:48 | . | . | C | . | . | Amex Login Template.jpg                 |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Am Ex Stuff.t                           |
| 1/10/2003 | 17:35:51 | . | . | C | . | . | Am Ex Stuff.t                           |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | How to Steal IDs.doc                    |
| 1/10/2003 | 17:35:55 | . | . | C | . | . | How to Steal IDs.doc                    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Blue Template.bmp                       |
| 1/10/2003 | 17:37:49 | . | . | C | . | . | Blue Template.bmp                       |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Overwrite Me !.txt                      |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Copy of Overwrite Me !.txt              |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Copy (2) of Overwrite Me !.txt          |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Copy (3) of Overwrite Me !.txt          |
| 1/10/2003 | 17:58:28 | M | . | . | . | . | Copy (4) of Overwrite Me !.txt          |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\USTOM~1       |
| 1/10/2003 | 17:35:06 | . | . | C | . | . | Recovered Folders\Folder1\USTOM~1       |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\electronics   |
| 1/10/2003 | 17:35:07 | . | . | C | . | . | Recovered Folders\Folder1\electronics   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\gifts_nav.gi  |
| 1/10/2003 | 17:35:08 | . | . | C | . | . | Recovered Folders\Folder1\gifts_nav.gi  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\gift_cards.gi |
| 1/10/2003 | 17:35:08 | . | . | C | . | . | Recovered Folders\Folder1\gift_cards.gi |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\home_shop     |
| 1/10/2003 | 17:35:09 | . | . | C | . | . | Recovered Folders\Folder1\home_shop     |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder1\jcpenney_h    |
| 1/10/2003 | 17:35:10 | . | . | C | . | . | Recovered Folders\Folder1\jcpenney_h    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\CPSTY~1.C     |
| 1/10/2003 | 17:35:11 | . | . | C | . | . | Recovered Folders\Folder2\CPSTY~1.C     |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\jewelry_nav   |
| 1/10/2003 | 17:35:12 | . | . | C | . | . | Recovered Folders\Folder2\jewelry_nav   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\ENS_NAV.      |
| 1/10/2003 | 17:35:13 | . | . | C | . | . | Recovered Folders\Folder2\ENS_NAV.      |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\NewLogo.R     |
| 1/10/2003 | 17:35:14 | . | . | C | . | . | Recovered Folders\Folder2\NewLogo.R     |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\other_quali   |
| 1/10/2003 | 17:35:15 | . | . | C | . | . | Recovered Folders\Folder2\other_quali   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\EARCH.GI      |
| 1/10/2003 | 17:35:16 | . | . | C | . | . | Recovered Folders\Folder2\EARCH.GI      |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder2\shoes_nav.    |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

Date of Report: 2023-Dec-01

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|           |          |   |   |   |   |   |  |
|-----------|----------|---|---|---|---|---|--|
| 1/10/2003 | 17:35:17 | . | . | C | . | . | Recovered Folders\Folder2\shoes_nav.   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\_HOPPI~1.C   |
| 1/10/2003 | 17:35:18 | . | . | C | . | . | Recovered Folders\Folder3\_HOPPI~1.C   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\shop_from_   |
| 1/10/2003 | 17:35:20 | . | . | C | . | . | Recovered Folders\Folder3\shop_from_   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\_PACER.GIF   |
| 1/10/2003 | 17:35:21 | . | . | C | . | . | Recovered Folders\Folder3\_PACER.GIF   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\sports_leisu |
| 1/10/2003 | 17:35:22 | . | . | C | . | . | Recovered Folders\Folder3\sports_leisu |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\StoreAd_lis  |
| 1/10/2003 | 17:35:24 | . | . | C | . | . | Recovered Folders\Folder3\StoreAd_lis  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder3\store_locat  |
| 1/10/2003 | 17:35:25 | . | . | C | . | . | Recovered Folders\Folder3\store_locat  |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\_UBSCR~1.0   |
| 1/10/2003 | 17:35:27 | . | . | C | . | . | Recovered Folders\Folder4\_UBSCR~1.0   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\T1.C1.Welc   |
| 1/10/2003 | 17:35:28 | . | . | C | . | . | Recovered Folders\Folder4\T1.C1.Welc   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\T1.C2.Welc   |
| 1/10/2003 | 17:35:30 | . | . | C | . | . | Recovered Folders\Folder4\T1.C2.Welc   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\T1.C3.Welc   |
| 1/10/2003 | 17:35:31 | . | . | C | . | . | Recovered Folders\Folder4\T1.C3.Welc   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\T1.C4.Welc   |
| 1/10/2003 | 17:35:33 | . | . | C | . | . | Recovered Folders\Folder4\T1.C4.Welc   |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\_OYS_NAV.    |
| 1/10/2003 | 17:35:34 | . | . | C | . | . | Recovered Folders\Folder4\_OYS_NAV.    |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder4\Validation.j |
| 1/10/2003 | 17:35:36 | . | . | C | . | . | Recovered Folders\Folder4\Validation.j |
| 1/10/2003 | 0:00:00  | . | A | . | . | . | Recovered Folders\Folder5\womens_na    |
| 1/10/2003 | 17:35:38 | . | . | C | . | . | Recovered Folders\Folder5\womens_na    |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\makin a deal.jpg                |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\This is why JCPENNY !!!.jpg     |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Copy of Overwrite Me !.txt      |
| 4/10/2003 | 18:45:28 | . | . | C | . | . | Famous\Copy of Overwrite Me !.txt      |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Copy (2) of Overwrite Me !.txt  |
| 4/10/2003 | 18:45:31 | . | . | C | . | . | Famous\Copy (2) of Overwrite Me !.txt  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Copy (3) of Overwrite Me !.txt  |
| 4/10/2003 | 18:45:35 | . | . | C | . | . | Famous\Copy (3) of Overwrite Me !.txt  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\_OPY(2~1.TXT                    |
| 4/10/2003 | 18:40:48 | . | . | C | . | . | Famous\_OPY(2~1.TXT                    |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Overwrite Me !.txt              |
| 4/10/2003 | 18:44:56 | . | . | C | . | . | Famous\Overwrite Me !.txt              |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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|           |          |   |   |   |   |   |  |
|-----------|----------|---|---|---|---|---|--|
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Copy (4) of Overwrite Me !.txt  |
| 4/10/2003 | 18:45:38 | . | . | C | . | . | Famous\Copy (4) of Overwrite Me !.txt  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Famous\Copy (5) of Overwrite Me !.txt  |
| 4/10/2003 | 18:45:41 | . | . | C | . | . | Famous\Copy (5) of Overwrite Me !.txt  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\Jc Penny Credit Cards Applica |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | JC PENNY\JCPenney.htm                  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\harry.jpg             |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\Overwrite Me !.txt    |
| 4/10/2003 | 18:31:10 | . | . | C | . | . | Other Card Stuff\Overwrite Me !.txt    |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\Copy of Overwrite Me  |
| 4/10/2003 | 18:40:57 | . | . | C | . | . | Other Card Stuff\Copy of Overwrite Me  |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Other Card Stuff\Copy (2) of Overwrite |
| 4/10/2003 | 18:41:08 | . | . | C | . | . | Other Card Stuff\Copy (2) of Overwrite |
| 4/10/2003 | 17:59:06 | M | . | . | . | . | 10-4-03.txt                            |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | 10-4-03.txt                            |
| 4/10/2003 | 17:59:05 | . | . | C | . | . | 10-4-03.txt                            |
| 4/10/2003 | 17:59:06 | M | . | . | . | . | Copy of 10-4-03.txt                    |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Copy of 10-4-03.txt                    |
| 4/10/2003 | 17:59:43 | . | . | C | . | . | Copy of 10-4-03.txt                    |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Overwrite Me !.txt                     |
| 4/10/2003 | 18:14:43 | . | . | C | . | . | Overwrite Me !.txt                     |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Copy of Overwrite Me !.txt             |
| 4/10/2003 | 18:14:56 | . | . | C | . | . | Copy of Overwrite Me !.txt             |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Copy (2) of Overwrite Me !.txt         |
| 4/10/2003 | 18:15:00 | . | . | C | . | . | Copy (2) of Overwrite Me !.txt         |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Copy (3) of Overwrite Me !.txt         |
| 4/10/2003 | 18:15:04 | . | . | C | . | . | Copy (3) of Overwrite Me !.txt         |
| 4/10/2003 | 0:00:00  | . | A | . | . | . | Copy (4) of Overwrite Me !.txt         |
| 4/10/2003 | 18:15:08 | . | . | C | . | . | Copy (4) of Overwrite Me !.txt         |

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### Timeline Analysis of DAY2 MWF (selected Items)

| Date       | Time     | M | A | C | E | D | Full Path                       |
|------------|----------|---|---|---|---|---|---------------------------------|
| 30 11 2003 | 09:29:30 | M | A | C | E | . | FAKE ID PIX                     |
| 1 12 2003  | 01:08:12 | . | . | . | E | . | FAKE ID PIX\50 off.jpg          |
| 27 09 2003 | 07:45:16 | M | . | . | . | . | FAKE ID PIX\50 off.jpg          |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\50 off.jpg          |
| 1 12 2003  | 01:08:03 | . | . | . | E | . | FAKE ID PIX\Am Ex Logo.jpg      |
| 27 09 2003 | 07:42:18 | M | . | . | . | . | FAKE ID PIX\Am Ex Logo.jpg      |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\Am Ex Logo.jpg      |
| 1 12 2003  | 01:08:03 | . | . | . | E | . | FAKE ID PIX\Amex Holo.jpg       |
| 27 09 2003 | 07:42:24 | M | . | . | . | . | FAKE ID PIX\Amex Holo.jpg       |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\Amex Holo.jpg       |
| 1 12 2003  | 01:08:03 | . | . | . | E | . | FAKE ID PIX\Amex Login Template |
| 27 09 2003 | 07:44:30 | M | . | . | . | . | FAKE ID PIX\Amex Login Template |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\Amex Login Template |
| 1 12 2003  | 01:08:12 | . | . | . | E | . | FAKE ID PIX\BEWARE !!.jpg       |
| 27 09 2003 | 07:47:54 | M | . | . | . | . | FAKE ID PIX\BEWARE !!.jpg       |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\BEWARE !!.jpg       |
| 1 12 2003  | 01:08:03 | . | . | . | E | . | FAKE ID PIX\Blue Template.bmp   |
| 27 09 2003 | 07:43:50 | M | . | . | . | . | FAKE ID PIX\Blue Template.bmp   |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\Blue Template.bmp   |
| 1 12 2003  | 01:08:03 | . | . | . | E | . | FAKE ID PIX\blurry but good.jpg |
| 27 09 2003 | 07:34:06 | M | . | . | . | . | FAKE ID PIX\blurry but good.jpg |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\blurry but good.jpg |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\CCG1.GIF            |
| 27 09 2003 | 06:54:20 | M | . | . | . | . | FAKE ID PIX\CCG1.GIF            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\CCG1.GIF            |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\CCG2.GIF            |
| 27 09 2003 | 06:54:14 | M | . | . | . | . | FAKE ID PIX\CCG2.GIF            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\CCG2.GIF            |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\CCG3.GIF            |
| 27 09 2003 | 06:54:16 | M | . | . | . | . | FAKE ID PIX\CCG3.GIF            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\CCG3.GIF            |
| 1 12 2003  | 01:08:12 | . | . | . | E | . | FAKE ID PIX\dots off.jpg        |
| 27 09 2003 | 07:45:22 | M | . | . | . | . | FAKE ID PIX\dots off.jpg        |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\dots off.jpg        |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\dreamin.jpg         |
| 27 09 2003 | 07:31:22 | M | . | . | . | . | FAKE ID PIX\dreamin.jpg         |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\dreamin.jpg         |

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|------------|----------|---|---|---|---|---|-------------------------------------|
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\fake ids.jpg            |
| 27 09 2003 | 07:32:14 | M | . | . | . | . | FAKE ID PIX\fake ids.jpg            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\fake ids.jpg            |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\harry.jpg               |
| 27 09 2003 | 07:31:50 | M | . | . | . | . | FAKE ID PIX\harry.jpg               |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\harry.jpg               |
| 1 12 2003  | 01:08:12 | . | . | . | E | . | FAKE ID PIX\High Dollar Purchase    |
| 27 09 2003 | 07:47:20 | M | . | . | . | . | FAKE ID PIX\High Dollar Purchase    |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\High Dollar Purchase    |
| 1 12 2003  | 01:07:12 | . | . | . | E | . | FAKE ID PIX\it passed !.jpg         |
| 27 09 2003 | 07:33:38 | M | . | . | . | . | FAKE ID PIX\it passed !.jpg         |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\it passed !.jpg         |
| 1 12 2003  | 01:07:12 | . | . | . | E | . | FAKE ID PIX\made the news !!.jpg    |
| 27 09 2003 | 07:49:20 | M | . | . | . | . | FAKE ID PIX\made the news !!.jpg    |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\made the news !!.jpg    |
| 1 12 2003  | 01:07:12 | . | . | . | E | . | FAKE ID PIX\makin a deal.jpg        |
| 27 09 2003 | 07:33:20 | M | . | . | . | . | FAKE ID PIX\makin a deal.jpg        |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\makin a deal.jpg        |
| 1 12 2003  | 01:07:44 | . | . | . | E | . | FAKE ID PIX\new logo.jpg            |
| 27 09 2003 | 07:32:52 | M | . | . | . | . | FAKE ID PIX\new logo.jpg            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\new logo.jpg            |
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX\passport.jpg            |
| 27 09 2003 | 07:32:22 | M | . | . | . | . | FAKE ID PIX\passport.jpg            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\passport.jpg            |
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX>this could be handy.jpg |
| 27 09 2003 | 07:33:20 | M | . | . | . | . | FAKE ID PIX>this could be handy.jpg |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX>this could be handy.jpg |
| 1 12 2003  | 01:07:12 | . | . | . | E | . | FAKE ID PIX\This is why JCPENNY     |
| 27 09 2003 | 07:39:18 | M | . | . | . | . | FAKE ID PIX\This is why JCPENNY     |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\This is why JCPENNY     |
| 1 12 2003  | 04:16:14 | M | . | . | . | . | FAKE ID PIX\Thumbs.db               |
| 1 12 2003  | 04:16:15 | . | . | . | E | . | FAKE ID PIX\Thumbs.db               |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\Thumbs.db               |
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX\top this.jpg            |
| 27 09 2003 | 07:34:28 | M | . | . | . | . | FAKE ID PIX\top this.jpg            |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\top this.jpg            |
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX\uk id 2.jpg             |
| 27 09 2003 | 07:31:14 | M | . | . | . | . | FAKE ID PIX\uk id 2.jpg             |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\uk id 2.jpg             |

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|------------|----------|---|---|---|---|---|---------------------------|
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX\uk id.jpg     |
| 27 09 2003 | 07:31:04 | M | . | . | . | . | FAKE ID PIX\uk id.jpg     |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\uk id.jpg     |
| 1 12 2003  | 01:07:45 | . | . | . | E | . | FAKE ID PIX\watch out.jpg |
| 27 09 2003 | 07:32:32 | M | . | . | . | . | FAKE ID PIX\watch out.jpg |
| 30 11 2003 | 09:29:30 | . | A | C | . | . | FAKE ID PIX\watch out.jpg |

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## Findings

### Conclusions

To summarise my findings of the forensics report.

There is substantial evidence to proof that Elvis the hut has intentions to commit the following crimes

1. Theft of credit cards
2. Counterfeiting of US Currency
3. Counterfeiting of US Passports

First and foremost, theft of credit cards, there are many activities associated with Elvis the hut attempting to create phishing sites and finding samples of Amex cards. This is found in the [timeline analysis](#).

If there is intention to harm others, it should be considered as malicious activities.

Moreover, during the investigation of the two thumb drives, I have found similar pictures that suggests Elvis the hut is conducting [malicious activities](#)

However, during my analysis of the counterfeiting of US Passports. There is insufficient evidence to allow for beyond reasonable doubt to suggest Elvis the hut has intentions or actions to commit the counterfeiting of US passports. In the timeline analysis there were no logs that support the counterfeiting of US passports activities. It could be that Elvis has no intentions of counterfeiting the US passports.

Next Counterfeiting of US currency. The evidence that support US Currency Counterfeiting is extremely limited and not beyond the reasonable doubt. The [evidence](#) ONLY suggest that Elvis the hut has interest in US Currency. But No logs in the timeline analysis supports beyond reasonable doubt that Elvis the hut has intentions to counterfeit US Currency.

As such, the only conclusion I could currently provide is that Elvis the Hut, has full intention for the theft of credit cards. However, there is insufficient evidence that suggest Elvis has intentions for the counterfeiting of US Currency and US Passports.

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

Date of Report: 2023-Dec-01

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## Search Warrant

AO 93 (Rev. 11/13) Search and Seizure Warrant

# UNITED STATES DISTRICT COURT

for the  
Western District of Utah

In the Matter of the Search of )  
*(Briefly describe the property to be searched )*  
or identify the person by name and address ) Case No. IT3563PA201520M  
875 S OREM BLVD STE 1 OREM UT 84058-5024 USA )  
 )  
 )

## SEARCH AND SEIZURE WARRANT

To: Any authorized law enforcement officer

An application by a federal law enforcement officer or an attorney for the government requests the search of the following person or property located in the **Western** **District of** **Utah**

(identify the person or describe the property to be searched and give its location):

On the Property or Premises of 875 S OREM BLVD STE 1 OREM UT 84058-5024 USA. This is the Location of the suspect required to be searched. This includes all rooms of the properties, All Areas of the Properties listed here.

I find that the affidavit(s), or any recorded testimony, establish probable cause to search and seize the person or property described above, and that such search will reveal (*identify the person or describe the property to be seized*):

All physical or digital media that contains information related to counterfeiting of US Passport or Currency, Identity Theft, Replication of Credit Cards.

Any Digital Storage Media such as Harddrives, Thumb Drives, CDs,  
Any Electronic Device Such as Mobile Devices, Tablets and Computers

**Any Physical Evidence related to counterfeiting of US Passport or Currency, Identity Theft, Replication of Credit Cards.**

**YOU ARE COMMANDED** to execute this warrant on or before

December 1<sup>st</sup>, 2023 (not to exceed 14 days)

Report: 2023-Dec-05

Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: E'den

Date of

Report: 2023-Dec-05

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'✓ in the daytime 6:00 a.m. to 10:00 p.m. ' at any time in the day or night because good cause has been established.

Unless delayed notice is authorized below, you must give a copy of the warrant and a receipt for the property taken to the person from whom, or from whose premises, the property was taken, or leave the copy and receipt at the place where the property was taken.

The officer executing this warrant, or an officer present during the execution of the warrant, must prepare an inventory as required by law and promptly return this warrant and inventory to Neuvillette .

(United States Magistrate Judge)

' Pursuant to 18 U.S.C. § 3103a(b), I find that immediate notification may have an adverse result listed in 18 U.S.C. § 2705 (except for delay of trial), and authorize the officer executing this warrant to delay notice to the person who, or whose property, will be searched or seized (check the appropriate box)

' for days (not to exceed 30) ' until, the facts justifying, the later specific date of \_\_\_\_\_

Date and time issued: 2023, December 1<sup>st</sup> 09 00 hours

neuvillette

Judge's signature

City and state: Orem, Utah

Neuvillette, United States Magistrate Judge

Printed name and title

AO 93 (Rev. 11/13) Search and Seizure Warrant (Page 2)

| Return  |   |   |
|---|---|---|
| Case No.:<br>IT3563PA201520M                          | Date and time warrant executed:<br>2023, December 1 <sup>st</sup> 12 00 hours | Copy of warrant and inventory left with:<br>Kravitz the Hut |
| Inventory made in the presence of:<br>Kravitz the Hut |   |   |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

Date of Report: 2023-Dec-01

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Inventory of the property taken, and name of any person(s) seized:

64 MB San disk Thumb Drive

### Certification

I declare under penalty of perjury that this inventory is correct and was returned along with the original warrant to the designated judge.

Date: 01/12/2023



*Executing officer's signature*

Eden Will, Senior Forensics Investigator

*Printed name and title*

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

Date of Report: 2023-Dec-01

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## Search Warrant

AO 93 (Rev. 11/13) Search and Seizure Warrant

# UNITED STATES DISTRICT COURT

for the  
Western District of Utah

In the Matter of the Search of )  
*(Briefly describe the property to be searched )*  
*or identify the person by name and address) )* Case No. IT3563PA201520M  
1506 W 400 S OREM UT 84058-5226 USA )  
 )  
 )

## SEARCH AND SEIZURE WARRANT

To: Any authorized law enforcement officer

An application by a federal law enforcement officer or an attorney for the government requests the search of the following person or property located in the **Western** **District of** **Utah**

*(identify the person or describe the property to be searched and give its location):*  
On the Property or Premises of 1506 W 400 S OREM UT 84058-5226 USA. This is the Location of the suspect required to be searched.  
This includes all rooms of the properties, All Areas of the Properties listed here.  
Search all Computer Labs, Locker Rooms, Classrooms for possible evidences

I find that the affidavit(s), or any recorded testimony, establish probable cause to search and seize the person or property described above, and that such search will reveal (*identify the person or describe the property to be seized*):

All physical or digital media that contains information related to counterfeiting of US Passport or Currency, Identity Theft, Replication of Credit Cards.

Any Digital Storage Media such as Harddrives, Thumb Drives, CDs,

Any Electronic Device Such as Mobile Devices, Tablets and Computers

Any Physical Evidence related to counterfeiting of US Passport or Currency, Identity Theft, Replication of Credit Cards.

**YOU ARE COMMANDED** to execute this warrant on or before

December 1<sup>st</sup>, 2023      (*not to exceed 14 days*)

'✓ in the daytime 6:00 a.m. to 10:00 p.m.' at any time in the day or night because good cause has been established.

Unless delayed notice is authorized below, you must give a copy of the warrant and a receipt for the property taken to the person from whom, or from whose premises, the property was taken, or leave the copy and receipt at the place where the property was taken.

The officer executing this warrant, or an officer present during the execution of the warrant, must prepare an inventory as required by law and promptly return this warrant and inventory to Neuvillette

*(United States Magistrate Judge)*

<sup>1</sup> Pursuant to 18 U.S.C. § 3103a(b), I find that immediate notification may have an adverse result listed in 18 U.S.C. § 2705.

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(except for delay of trial), and authorize the officer executing this warrant to delay notice to the person who, or whose property, will be searched or seized (*check the appropriate box*)

' for                    days (*not to exceed 30*) ' until, the facts justifying, the later specific date of \_\_\_\_\_.

Date and time issued: 2023, December 1<sup>st</sup> 09 00 hours

Judge's signature

City and state: Orem, Utah

Neuvillette, United States Magistrate Judge

Printed name and title

AO 93 (Rev. 11/13) Search and Seizure Warrant (Page 2)

**Return**

|   |   |   |
|---|---|---|
| Case No.:<br>IT3563PA201520M                        | Date and time warrant executed:<br>2023, December 1 <sup>st</sup> 14 00 hours | Copy of warrant and inventory left with:<br>Elvis the Hut |
| Inventory made in the presence of:<br>Elvis the Hut |   |   |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials:

Date of Report: 2023-Dec-01

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Inventory of the property taken, and name of any person(s) seized:

32 MB Samsung Thumb Drive

### Certification

I declare under penalty of perjury that this inventory is correct and was returned along with the original warrant to the designated judge.

Date: 01/12/2023



*Executing officer's signature*

Eden Will, Senior Forensics Investigator

*Printed name and title*

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

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**Elvis Bedroom**

Location where the SD card was placed

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**Elvis TimeTable**

|   | MonA                                    | TueA  | WedA  | ThuA                                     | FriA  |
|---|---|---|---|--|---|
| 1 | Science 7C Yr7 (7SC18CC)<br>SCLC11 RICD | Technology GATS Yr7<br>(7DTG184) TAS.J03 WESG | Science 7C Yr7 (7SC18CC)<br>SCI.P01 RICD      | Japanese Yr7 (7LG18C)<br>LAN.C05 HEAK    | Japanese Yr7 (7LG18C)<br>LAN.C05 HEAK         |
| 2 | Music Yr7 (7MU18C)<br>MUS.D03 MCVB      | Music Yr7 (7MU18C)<br>MUS.D03 MCVB            | Visual Arts Yr7 6 (7VA1866)<br>VA.A13 CLAE    | Sport Yr7 (7SP18C)<br>PE.TENNIS1 PSAM    | Maths Yr7 (7MA18C)<br>MA.B01 SCHP             |
| 3 | HSIE Yr7 (7HSIE18C)<br>HSE.C02 LERD     | PE Yr7 (7PE18C)<br>PE.HALL1 YORM              | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM      | HSIE Yr7 (7HSIE18C)<br>HSE.C02 LERD      | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM      |
| 4 | PE Yr7 (7PE18C)<br>PE.P02 YORM          | Science 7C Yr7 (7SC18CC)<br>SCI.C11 RICD      | Technology GATS Yr7<br>(7DTG184) TAS.J02 WESG | Maths Yr7 (7MA18C)<br>HSE.C02 SCHP       | Technology GATS Yr7<br>(7DTG184) TAS.J02 WESG |
| 5 | Maths Yr7 (7MA18C)<br>MA.B03 SCHP       | Visual Arts Yr7 6 (7VA1866)<br>VA.A13 CLAE    | Music Yr7 (7MU18C)<br>MUS.D04 MCVB            | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM | Fri Early Leave Yr7<br>(7FRI_EL18)            |

|   | MonB  | TueB                                       | WedB                                       | ThuB  | FriB                                       |
|---|---|--|--|---|--|
| 1 | HSIE Yr7 (7HSIE18C)<br>ENG.P06 LERD           | PE Yr7 (7PE18C)<br>PE.P02 YORM             | Music Yr7 (7MU18C)<br>MUS.D04 MCVB         | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM      | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM   |
| 2 | English 7C Yr7 (7EN18CC)<br>ENG.A02 FITM      | Music Yr7 (7MU18C)<br>MUS.D03 MCVB         | Science 7C Yr7 (7SC18CC)<br>SC.A15 CAML    | Sport Yr7 (7SP18C)<br>NORTH.COLA_1 PSAM       | Maths Yr7 (7MA18C)<br>MA.B03 SCHP          |
| 3 | Science 7C Yr7 (7SC18CC)<br>SCLC11 RICD       | Maths Yr7 (7MA18C)<br>SC.A15 SCHP          | Visual Arts Yr7 6 (7VA1866)<br>VA.A13 CLAE | Japanese Yr7 (7LG18C)<br>LAN.C05 HEAK         | Visual Arts Yr7 6 (7VA1866)<br>VA.A13 CLAE |
| 4 | Technology GATS Yr7<br>(7DTG184) TAS.J02 WESG | Visual Arts Yr7 6 (7VA1866)<br>VA.A13 MCVB | HSIE Yr7 (7HSIE18C)<br>HSE.C02 LERD        | Technology GATS Yr7<br>(7DTG184) TAS.J02 WESG | Japanese Yr7 (7LG18C)<br>LAN.C05 HEAK      |
| 5 | Japanese Yr7 (7LG18C)<br>LAN.C05 HEAK         | Science 7C Yr7 (7SC18CC)<br>ENG.A11 RICD   | Maths Yr7 (7MA18C)<br>MA.B02 SCHP          | PE Yr7 (7PE18C)<br>PE.HALL1 YORM              | Fri Early Leave Yr7<br>(7FRI_EL18)         |

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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**Elvis Attendance**

| Week No. | Monday  | Tuesday | Wednesday | Thursday | Friday  |
|----------|---------|---------|-----------|----------|---------|
| 1        | present | present | present   | present  | absent  |
| 2        | absent  | present | present   | present  | present |
| 3        | present | present | present   | present  | absent  |
| 4        | present | absent  | present   | absent   | present |
| 5        | absent  | present | absent    | present  | present |
| 6        | present | absent  | present   | absent   | present |
| 7        | absent  | present | absent    | present  | absent  |
| 8        | absent  | present | absent    | present  | present |
| 9        | present | absent  | present   | present  | present |
| 10       | absent  | present | present   | present  | absent  |

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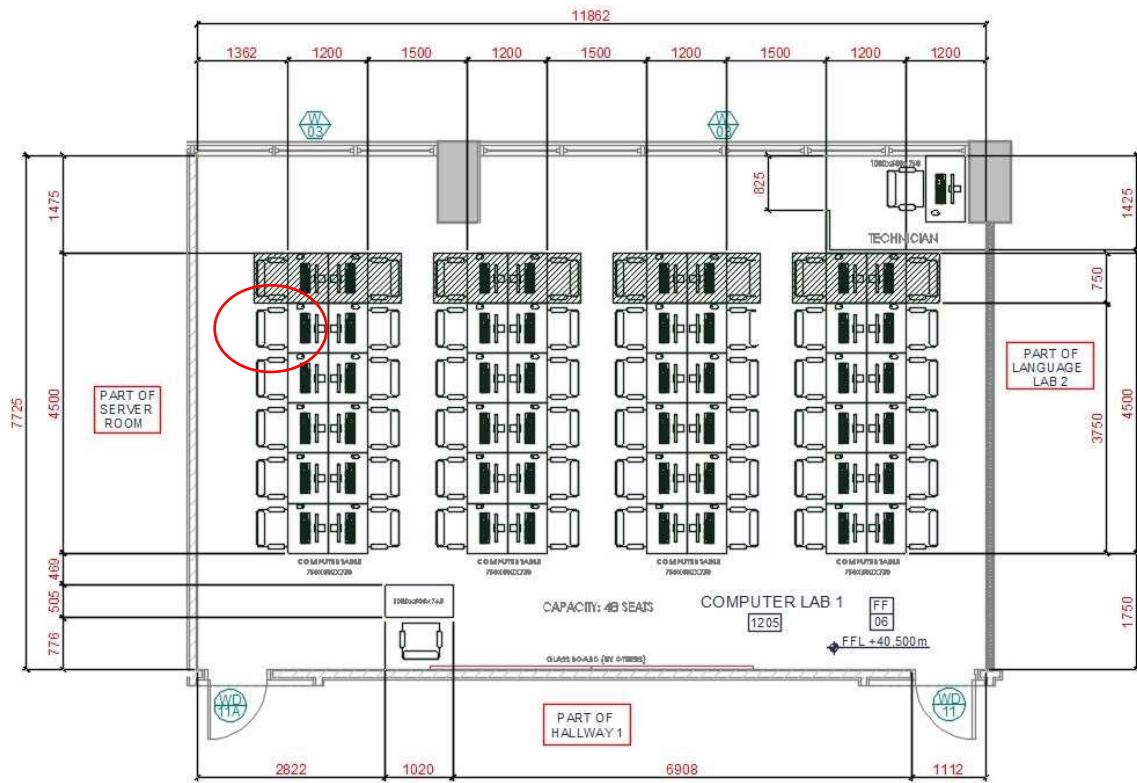
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## Mountain Valley High School Lab Seating



Elvis Table seat circled in red

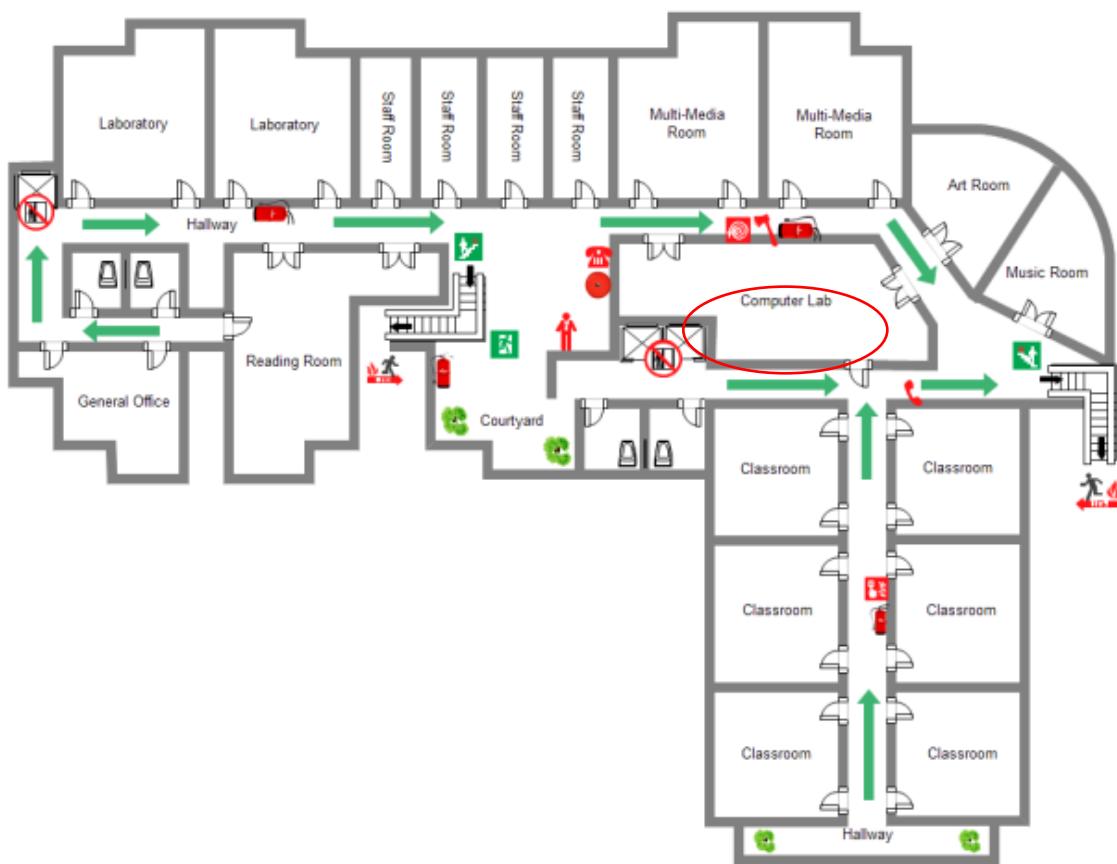
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**Mountain Valley High School Layout**

Computer Lab Elvis Visited circled in Red

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**Mountain Valley High School Entry**

image source: [https://en.wikipedia.org/wiki/High\\_school\\_in\\_the\\_United\\_States](https://en.wikipedia.org/wiki/High_school_in_the_United_States)

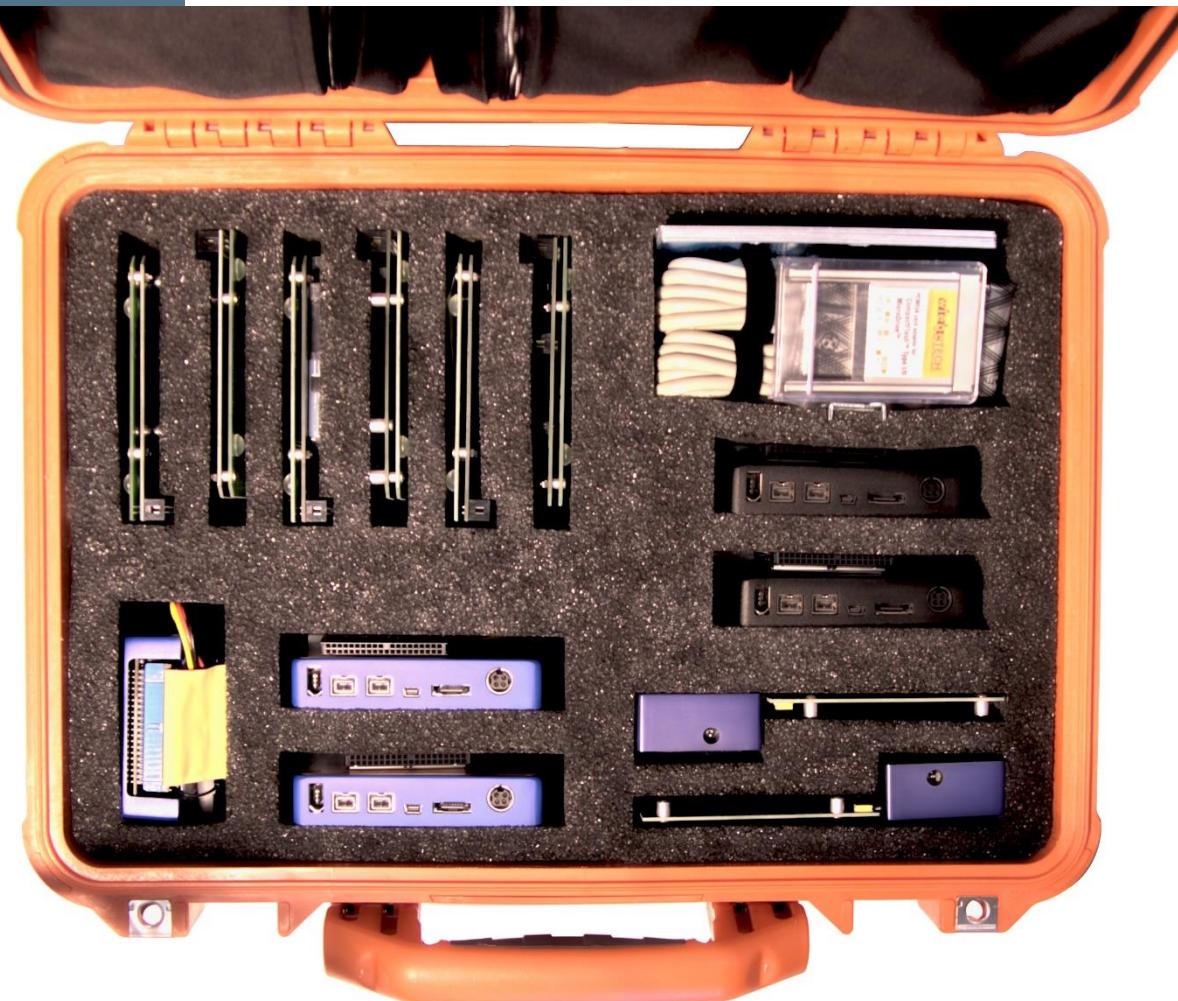
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**Forensics Field Kit**

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**Mountain Valley High School Computer Lab**

Reference <https://www.cmu.edu/computing/services/teach-learn/tes/computer-labs/locations/cyert-labs.html>

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**Elvis the Hut House:**

WFRMLS

Elvis the hut house

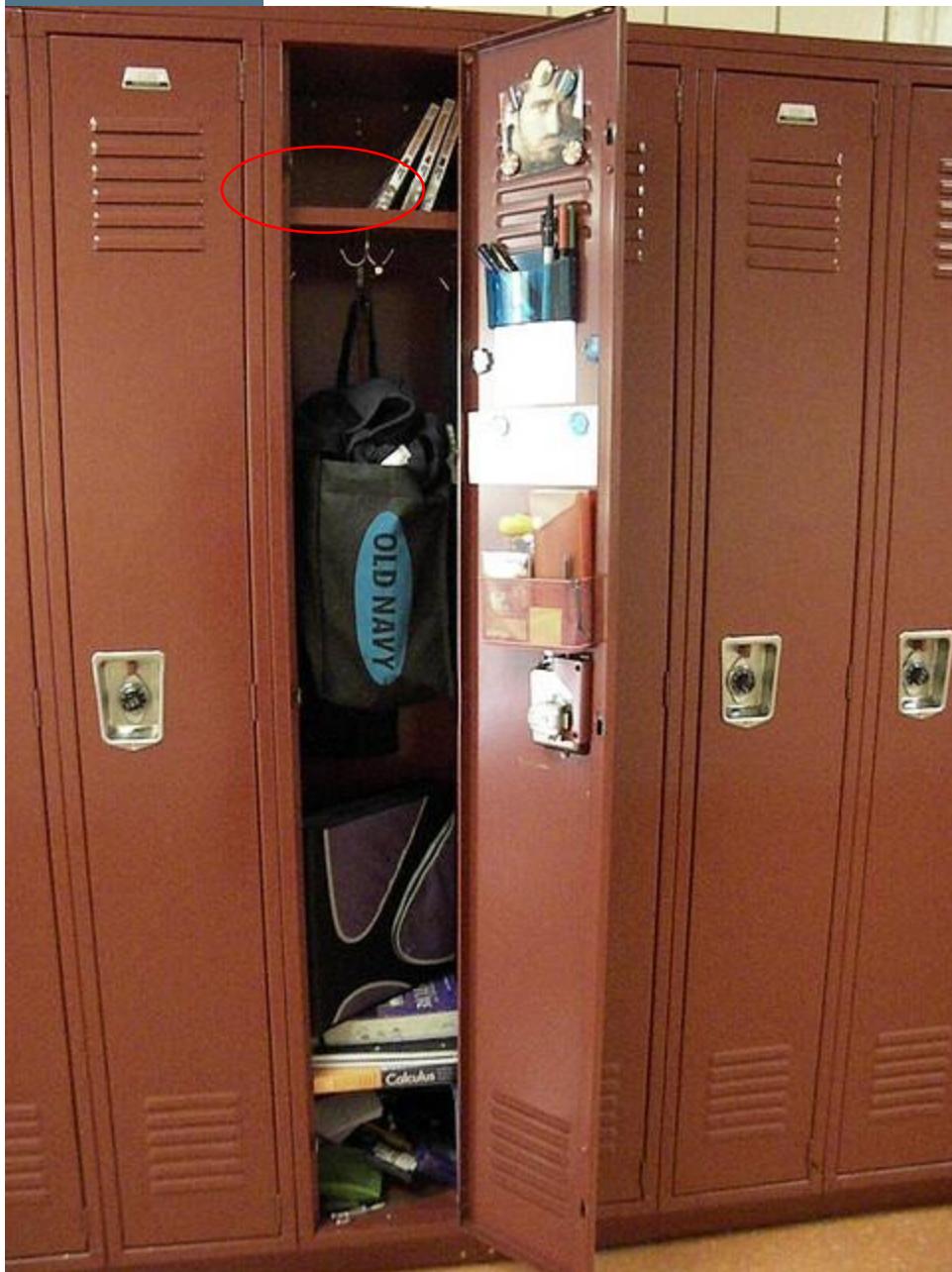
[https://www.engelvoelkers.com/en-us/property/single-family-in-eagle-mountain-utah-267377.30000\\_exp/](https://www.engelvoelkers.com/en-us/property/single-family-in-eagle-mountain-utah-267377.30000_exp/)Prepared by: Eden Will Sng Jin Xuan #201520M Initials: *Eden*

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**Elvis the Hut Locker**

Locker Image source:

<https://1000awesomethings.com/2011/04/12/268-getting-a-good-locker-in-high-school/>

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Locker area which Elvis the hut thumb drive was located

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**Acceptable Use Policy of Mountain Valley High School**

1. All use of the campus's computing and network facilities must be consistent with the teaching and learning objectives of Mountain Valley High School (MVHS).
2. Communications via the Internet (e-mail, social media or any other electronic bulletins as well as mobile apps) and within MVHS shall not contain materials that are fraudulent, distasteful, designed to harass, embarrassing, sexually explicit, obscene, intimidating, defamatory, or which incites religious or racial intolerance or are otherwise deemed inappropriate by MVHS. Any material that is in violation of Singapore's laws and regulations shall not be transmitted to Internet. This includes, but is not limited to, copyrighted materials, threatening or obscene materials, or materials protected by trade secrets.
3. Students shall use only official email accounts '@mymail.mvhs.edu.us' issued by MVHS, for all MVHS-related correspondences. Students are expected to check their email on a frequent and consistent basis to stay current with MVHS-related communications.
4. Students must not engage in malicious electronic activities, including, but not limited to the following:
  - a. unauthorized access to computing resources.
  - b. masquerade as another accountholder.
  - c. circumvents security systems.
  - d. exploit or probe for security holes in any networks.
  - e. attack or degrade the system and network performance, cause damage to MVHS, the Government's network or that of any other organization.
  - f. install programs such as Trojans or rootkits into any IT resources.
  - g. use peer-to-peer file sharing software or download media-rich contents for personal entertainment consumption.
  - h. intentionally introduces computer viruses, worms, trojan horses or the likes into any computer or network.
  - i. read, forge, alter or delete any messages (e.g. emails), files or network communication without authorization.
  - j. uses any software and hardware, such as traffic generators, network sniffing tools, remote administration tools, diagnostic and vulnerability scanning tools, which can compromise the security or performance of the systems as well as networks.
  - k. tamper, damage or destroy MVHS's IT equipment and communication devices, e.g. network points, cables, and computers.
  - l. allows personal computing devices to route or bridge traffic from other external networks to MVHS's network.
  - m. share account and password to other parties to gain access to MVHS systems and networks.
  - n. transmits unsolicited commercial or advertising materials (SPAM).

---

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- o. connects a compromised or jail-broken device knowingly to MVHS network.
  - p. break any Rule or Regulation set by MVHS.
  - q. makes unauthorized copy of licensed software.
5. Students shall take adequate measures to ensure that their computing devices as well as mobile devices that are connected to MVHS's systems and networks are adequately protected to prevent unauthorized users from using their devices to access MVHS, the Government or other organization's systems and networks illegally. These measures include, but are not limited to the following:
- a. using strong passwords/passcodes and changing them regularly.
  - b. installing security programs such as antivirus and firewall.
  - c. patching device operating systems and application software regularly.
  - d. rebooting personal computing devices regularly so that upgrades and patches can take effect.
  - e. setting on auto-lock timeout.
  - f. installing only licensed applications from trusted sources.
  - g. reporting security incidents to School's Technical Support Officer, lecturer, or staff.
6. Students shall take note that the equipment/software loaned is meant for exclusive academic use and NOT for any commercial purposes. If any loaned item is lost, functionally damaged because of negligence or willful vandalism, students shall have to make good the loss or damage in terms that are acceptable to MVHS.
7. The above-mentioned terms and conditions provide the main guidelines under which IT resources are to be used in MVHS. They are not exhaustive but are meant to ensure that the computing environment remains safe for all users and is not abused by any person. Any ill intent activity on MVHS's systems and network would be subject to disciplinary action. Such access to MVHS's systems and network would be immediately suspended, pending further investigations by MVHS if students or their computing/mobile devices are suspected to have violated the above-mentioned terms and conditions.

---

Prepared by: Eden Will Sng Jin Xuan #201520M Initials: 

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**Glossary**

**Acquisition:** The stage in a computer forensics investigation wherein the data involved is collected. Often the means used is a bit-by-bit copy or a forensic working image of the hard disk or other media in question.

**Active Files:** Data on a computer that is not deleted and is generally accessible and readily visible to the user under normal use.

**Allocated space / sector / block:** The logical area on a hard disk or other media assigned to a file by the Operating System (See Unallocated)

**Allocation Block:** (see block, cluster): A contiguous group of sectors, which is the smallest amount of space, assigned to a file by an operating system such as Microsoft Windows.

**Application:** Commonly known as a Program, or (sometimes) Software. The software is used to access and create files or documents. Microsoft Word and Corel WordPerfect are applications that work with word processing documents. Microsoft Excel and Lotus 1-2-3 are applications that work with spreadsheets.

**ASCII:** Stands for "American Standard Code for Information Exchange." Pronounced "Ass-key." Often referred to as "ASCII text." ASCII assigns a numerical code for each character on a keyboard; hence ASCII text is often comprehensible to humans without much interpretation.

**Attribute:** See File Attribute.

**Audit Trail:** A chronological record of system activities on a computer or network security system that may keep track of user actions such as logins, file access, and other activities.

**Back door:** A means of accessing or controlling a computer that bypasses normal authentication, while remaining hidden from the casual user. A backdoor may be a program that has been installed surreptitiously or may be a hidden function of a legitimate program.

**Backdoor Trojan:** A generic name for Trojan horse programs that open a backdoor and allow an unauthorized user remote access to a computer.

**Backup:** A copy of data that is kept as an emergency measure against data loss in a system or media failure, and/or for the purpose of keeping archival data. Backups may be compressed or encrypted and are usually kept separate from the system containing the active version of the data that is being backed up.

**Backup Server:** A computer on a network that is designed to be used to back up data from other computers on the network. A Backup Server may also be used as a File Server, a Mail Server or as an Application Server.

**Backup media:** The media on which backup data is kept. May be almost any form of media, such as tapes, CD-ROM, DVD, external hard disks, floppy diskettes, magneto-optical disks, WORM disks, Zip disks, Jaz disks, and many others.

**Bit:** The smallest unit of data, consisting of a zero or a one, stands for "binary digit."

**Bitstream or bit-by-bit copy:** A copy of every consecutive sector on a hard disk or other media, without regard to allocation of data. Sometimes confused with mirroring.

**Browser:** See web browser.

**Cache:** French for "hide." A storage area where frequently accessed data may be kept for rapid access. There are three main types of cache: disk cache, memory cache, and program cache. See these entries for further explanation.

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Date of Report: 2023-Dec-01

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CD-ROM: Stands for Compact Disk – Read Only Memory. A plastic disk is able to hold approximately 650MB to 700MB of data. A common storage medium for data.

Chain of Custody: As in other fields, a record of the chronological history of (electronic) evidence.

Cluster: Also known as allocation blocks, a cluster is a contiguous group of sectors that is the smallest amount of space assigned to a file by an operating system such as Microsoft Windows. Clusters generally range in size from 4 sectors to 64 sectors.

Compressed file, zipped file: A file that has been encoded using less space than the original file in its uncompressed state. A zipped file may contain more than one compressed file.

Computer Forensics: A practice and methodology that may involve any or all of the following: electronic imaging, electronic discovery, forensic analysis of discovered information, preparation of information in a manner useful to the client or court, presentation of findings to the client or attorney, such as in written, oral and/or electronic reports, testimony in a court of law, when necessary, by an expert witness, including deposition and jury trial.

Cookie: In Internet or browser usage, a small file accessed by a web browser and written to the user's computer. A shortened form of the term, "magic cookie," cookies are used for tracking, authenticating, and maintaining information about users, generally to ease interaction between a website and a user. Cookies stored on a user's computer often contain the times and dates that the user accessed a given website.

Corrupt Data, Corrupt File: A file that is damaged. Damage may have occurred inadvertently during transmission, copying, through operating system error, physical damage to the media on which the data was stored, or through other means.

Delete: To cause a file or email to move from an active or live state to an ambient state, usually performed by moving a file to the trash or recycle bin on a computer, or by selecting a file and then pressing the delete [Del] key. Deleted files, while generally not removed from the computer until overwritten, are nonetheless invisible to the user.

Desktop (1): In a Graphical User Interface (GUI), such as Windows or the Macintosh OS, the view of files and folders visible before a user opens any windows. The desktop is actually a graphic view of an invisible folder stored on the computer's hard disk.

Desktop (2): A desktop computer.

Desktop computer: A stand-alone computer that is generally designed to be connected to a keyboard and monitor (although some desktop computers, such as the Macintosh iMac, have the monitor integrated), as distinct from a laptop, and from a Server.

Directory: A hierarchically arranged listing of files stored on a hard disk or other media. The topmost directory is the root directory. Subsequent directories nested within the root directory are called subdirectories. In a GUI, a directory appears as a file folder.

Disk: Generally a hard disk. Floppy diskettes are often referred to as disks.

Disk cache: RAM used to speed up access to stored data. May be part of a computer's RAM, or may be RAM integrated into the disk drive itself.

Disk Mirroring: Data copied to another hard disk or to another area on the same hard disk to have a complete, identical copy of the original.

Dot: A period that is used as part of a filename, or as part of a Web address. It is pronounced "dot." For instance, a file named "glossary.doc" would be spoken as "glossary dot doc." Similarly, a web address, such as www.yahoo.com would be spoken as "W-W-W dot yahoo dot com."

Download: The transfer of data between two computers, generally over a network. One may download a file from the Internet, for

instance. Commonly used as a misnomer for "copy." For instance, a common mistake is to say that one downloaded a file from a diskette, when a file is copied (not downloaded) from a diskette.

**E-mail:** Electronic mail. Messages transmitted over a computer network or networks, directed to a given user, either individually or in bulk. Email may be stored in a largely text format, or in an encrypted form. Microsoft Outlook stores email messages in an encrypted file; most other email programs store messages primarily as text.

**Encryption:** A process to render a file unreadable to unauthorized persons or devices.

**Extension, File Extension:** Part of a file's name, usually follows a "dot," or period in a file name. Some operating systems, such as Microsoft Windows, depend on the extension to know what program is used to open the given file. Microsoft word documents, for instance have ".doc" as their extension.

**Filename:** The name of a file. Sometimes refers to the name of a file minus its extension.

**File Attribute:** Properties associated with a file that are kept with the file directory listing. Such attributes include the date and time the file was last accessed, created, or modified,

**File Server:** A computer on a network that is used to store files from and for multiple users on the network. A file server may also be used as an Application Server, a Backup Server, or as a Mail Server. May be used as a backup for the computers on the network.

**File signature:** Information contained within a file that identifies its type, even though the file's extension may have been altered.

**File slack:** Information at the end of a cluster that has not been completely filled, or overwritten by a file. The file may end before the end of the cluster, hence the cluster may contain data from a previous file

**Floppy diskette, floppy:** A square-shaped enclosure holding a rotating flexible plastic magnetically coated disk used for data storage. At this writing, the 8" and 5.25" variety of floppy diskette is obsolete, and the 3.5" variety is approaching obsolescence. The most common floppy diskettes hold 1.44 MB of data.

**Folder:** in a GUI, a folder is the representation of a directory and may contain files and other, nested folders.

**Forensic copy:** See Forensic Image.

**Forensic image:** A forensically sound and complete copy of a hard drive or other digital media, generally intended for use as evidence. Such copies include unallocated space, slack space, and boot record. A forensic image is often accompanied by a calculated Hash signature to validate that the image is an exact duplicate of the original.

**GIF:** A common format for storage of digital images. An acronym for Graphic Interchange Format. Pronounced "Jiff." GIFs have the file extension "gif"

**Gigabyte (GB):** 1024 megabytes (MB), or 1,048,576 KB, or 1,073,741,824 bytes. Often considered (incorrectly) to be one billion bytes.

**GUI:** Graphical User Interface. An image and icon-based interface designed to make manipulation of computer data easy. Common GUIs are Microsoft Windows and the Macintosh OS.

**Hard disk:** Currently the primary storage medium for data on most computers, Consists of a sealed chassis containing a rapidly spinning metal-coated platter, or stack of platters that are magnetically encoded as data is written to them by enclosed magnetic read/write heads.

**Hash, hash value:** A hash is a number generated from a string of text. A hash value may be generated for a single file, or for an entire hard disk. A matching hash virtually guarantees that a copy is identical to the original. It does not absolutely guarantee this.

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HTML: An authoring language, written in text that is used to create documents for access on the World Wide Web. Such documents may be web pages, or otherwise enhanced documents or email messages. Stands for Hypertext Markup Language.

Instant Messaging: Abbreviated as IM. A text-based electronic communication in real time. It is similar to a telephone call in its immediacy; it is different in that it is generally text-based.

IP Address (IPv4): An electronic identifier for a specific computer or device on the World Wide Web or other (internal or external) electronic network using the TCP/IP protocol. An IP address is a series of four numbers separated by periods ("dots"), Each number is a value from 0 to 255. An example could be 192.168.55.207 "IP" stands for "Internet Protocol."

IP Address (IPv6): Like IPv4, An electronic identifier for a specific computer or device on the World Wide Web or other (internal or external) electronic network using the TCP/IP protocol. An IPv6 address is a series of eight groups of four hexadecimal digits with each group being separated by colons, for example 2002:0ac7:234e:ad42:0000:7b2e:0371:7224, but is sometimes abbreviated.

ISP: Internet Service Provider. A provider of access to or connection to the Internet. Some large ISPs include Earthlink, Yahoo, Roadrunner, SBC Global.

JPEG: A common format for storage of digital images. An acronym for Joint Photographic Experts Group. Pronounced "jay-peg." JPEGs have the file extension, ".jpg."

Jumplists: Lists of recently modified documents in certain programs in Windows from Windows 7 onward. May be used to help determine a history of use of certain files that may be expanded beyond the standard file date attributes.

Keylogger: A program or device designed to keep a record of the keys typed on a computer. May be used for monitoring, or espionage, such as to collect passwords. Some keyloggers may be accessed remotely.

Keyword search: A common technique used in computer forensic and electronic discovery, a keyword search is usually performed to find and identify every instance on a computer or other media of a given word or phrase, even if said word or phrase occurs in unallocated space or in deleted files.

Kilobyte (KB): 1024 bytes. Used to measure both storage and memory. Often considered (incorrectly) to be one thousand bytes.

LNK files: Windows creates LNK files when a user opens a local or remote file, and references both the original file along with date and time attributes about a file that has been opened.

Log files, or logfile: A record kept by many applications and operating systems of various activities by saving to a file – the logfile.

Mail Server: A server on a network that processes incoming and outgoing electronic communications, especially email. A mail server generally has security policies in place to allow only authenticated users access to given email communication. The mail server may store a copy of users' data in various forms or may not store copies of users' data. A mail server may be utilized for multiple functions, including as a File Server, Application Server, or Backup Server.

Megabyte (MB): 1024 Kilobytes (KB), or 1,048,576 bytes. Often considered (incorrectly) to be one million bytes.

MAC dates: File attributes in the Windows operating system. The MAC dates are the date a file was last Modified, Last Accessed, and Created.

Master File Table, or MFT: In an NTFS file structure (used in most versions of Windows from 1993-2014 (so far). The MFT contains substantial metadata about all files in a given volume, including file physical locations, MAC dates (times), file permissions, file size, the file's parent directory, entry modification time, and at times, the entire content of small files.

Megabyte (MB): 1024 Kilobytes (KB), or 1,048,576 bytes. Often considered (incorrectly) to be one million bytes.

Memory Cache: Also known as RAM cache, it is high-speed memory designed to store frequently accessed or recently accessed data for quick use. On the Macintosh, RAM cache may also be disk cache.

Native format, native environment: The original configuration or program in which a file or other data was produced.

Network: A group of computers electronically linked so as to be able to share files or other resources, or for electronic communication. The World Wide Web is a particularly large network.

NTFS: NEW Technology File System. An operating system developed by Microsoft and released in 1993 with Windows NT 3.1. It has subsequently been used in versions of Windows through Windows 8.1. Previous versions of Windows had been dependent on the DOS operating system.

Operating System, OS: The suite of programs that allow a computer to operate. The OS controls signals from and to input devices (such as mouse, keyboard, microphone), peripherals (such as hard disks, CD-ROM drives, and printers), output devices (such as monitors and speakers) and performs the basic functions needed for a computer to operate. Common operating systems include Windows XP, Macintosh OS X, and Linux.

Page File: See Windows Swap File

Partition: A logical delineation on a disk drive such that a single drive acts as two, smaller disk drives.

PDF: An Adobe Acrobat document. A common format for graphic and text files that is not easily altered. Stands for Portable Document Format.

Petabyte: 1024 Terabytes, or 1,125,899,906,900,000 bytes – a bit more than a quadrillion byte

Program: Also known as an application, or (sometimes) Software. The software is used to access and create files or documents. Microsoft Word and Corel WordPerfect are applications that work with word processing documents. Microsoft Excel and Lotus 1-2-3 are applications that work with our spreadsheets.

Protocol: An agreed-upon standard format for communicating, connecting, or transferring data between two computers or devices. There are many communications protocols, such as TCP (Transmission Control Protocol).

RAM: Random Access Memory. Computer chips that store digital data in electronic form.

Registry Hives: The Windows registry is made up of sub files called “hives.” Individual Windows User settings and some histories of usage are kept in the various hives and may be updated as the computer is used.

SAM Hive: “Security Account Manager” that stores Users’ passwords

Software Hive: Contains software and Windows settings.

System Hive: Contains information about the Windows system setup, mounted devices, alternative configurations for hardware drivers and services.

Sector: The basic and smallest unit of data storage on a hard disk or other electronic media. Generally, consists of one contiguous area able to hold 512 bytes of data.

Server: A computer on a network that shares data with other computers on the network.

Shadow Volume: Also known as Shadow Copy, Volume Snapshot Service, Volume Shadow Copy Service, or VSS, is included with Microsoft Windows and makes automated backup copies of some files and operating system components from time to time on NTFS-based computers.

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Software: Anything that can be stored electronically. Includes programs, files, and data.

Spoilation: Intentional, negligent, or accidental destruction or alteration of evidence.

Standalone: A computer that is not connected to a network.

Steganography: A means of writing hidden messages such that only the intended recipient knows of its existence. An modern example may be replacing a few pixels of a digital image with a digital message. The slight change in the image may be unnoticeable to a person who does not know where in the image to look. Older forms of Steganography, which means “covered writing” in Greek, date back more than 2,000 years.

TCP/IP: A suite of communications protocols used to allow communication between computers on a network, such as on the Internet. Stands for Transmission Control Protocol / Internet Protocol.

Terabyte: 1024 Gigabytes, or 1,099,511,627,800 bytes – a bit more than one trillion bytes.

Thumbnail: Generally, stands for a small, low-resolution image that takes the place of an original full-resolution image. Thumbnails do not generally contain metadata with GPS location or date of original creation of the source image.

TOR: Stands for “The Onion Router. TOR is US Government-created (through the US Naval Research Lab) software designed to allow anonymous or semi-anonymous communication.

Unallocated: The area on a hard disk or other media that is not (or is no longer) assigned to a file by the Operating System. May contain intact deleted files, remnants thereof, or other data.

User: A common term for the person using a computer, also referred to as an End User.

Web Browser: Often simply referred to as “browser.” A program used to find and display web pages. Popular browsers as of this writing are Microsoft Internet Explorer (often abbreviated as “Explorer,” Netscape Navigator, Mozilla Firefox, and Apple Safari.

Windows Registry: Microsoft Windows (“Windows”) keeps a large amount of information regarding the User’s Windows use and configuration in a part of the operating system called the Windows Registry. Included in the information kept in the Windows Registry is information such as that kept in Jump Lists and LNK files, and other data found in the Registry Hives.

Windows Swap File: Also known as the Page file, or Pagesys file. A virtual memory file used by Microsoft Windows as a kind of scratch pad during most operations. The Swap file is usually quite large and often contains records of operations or remnants of files not found elsewhere.

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**QNA:**

| Potential Questions & Answers |  |  |
|-------------------------------|--|--|
| No.                           | Questions  | Answers:   |
| 1                             | What is your name, and position?   | I am Eden Sng, Senior Digital Forensics Investigator for Orem Police, Part of the Forensics Division unit.   |
| 2                             | How long have you worked with Orem Police?   | I have worked with Orem Police for 7 Years as a Digital Forensics Investigator.  |
| 3                             | What is your education qualification?  | <p>I have a Doctorate in Cyber Forensics &amp; Malware Analysis from the University of the Massachusetts Institute of Technology, MIT, USA.</p> <p>A bachelor's in science, Majoring in Cybersecurity &amp; Forensics from The University of Massachusetts Institute of Technology, MIT, USA.</p> <p>Lastly, I have attained a diploma in Cybersecurity &amp; Digital Forensics from Nanyang Polytechnic, Singapore.</p> |
| 4                             | How can I be confident that your forensics report is complete?   | I am confident that it is complete. Feel free to peer review it for any discrepancy or doubts in the report.   |
| 5                             | Are you sure you are qualified for being an expert witness?  | I am confident that I am qualified to be an expert witness for this case.  |
| 6                             | During Data Acquisition how can you ensure that the original evidence is not tampered when the files are duplicated? | <p>The Hard drive used for the duplication was newly purchased and wiped using TD3 Duplicator.</p> <p>The duplicator logs have shown that the original evidence was not tampered with due to write blockers being enabled.</p> <p>Lastly, you may refer to the Tableau TD3 Duplicator Logs for further information.</p>  |
| 7                             | How can you verify that the software   | I use encase version 7.12.01.18. This is the   |

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|    |  |   |
|----|--|---|
|    | used in your forensics investigation can be trusted?   | latest version and license of encase forensic tool. It has been tested and verified by Guidance Software through NIST testing. The organization that I have worked with during the test is reputable and trusted by the forensics investigation community.<br><br>You may refer to the software test report in the Expert Report for further information. |
| 8  | How can you be sure that evidence within the thumb drive can be attributed back to Elvis?                    | During my forensics Investigation, I have found numerous pieces of evidence that are connected to Elvis. It is beyond reasonable doubt that the evidence is indeed attributed to Elvis.   |
| 9  | How can you verify that your duplicated hard drives are clean and not tampered with during data duplication? | The Hard drive used for the duplication was newly purchased and wiped using TD3 Duplicator.<br><br>The duplicator logs have shown that the original evidence was not tampered with due to write blockers being enabled.<br><br>Lastly, you may refer to the Tableau TD3 Duplicator Logs for further information.  |
| 10 | Are you related or have close connection to Elvis that might lead to a conflict of interest?                 | No, I have no ties, nor do I have any relationship with Elvis the Hut. There are No conflict of Interest.   |
| 11 | Is this your first time as an expert Witness   | No, this is not my first time representing as an expert witness.<br>I have participated in numerous cases throughout my tenure at Orem Police Forensics Lab.<br><br>The most recent being the 2023, United States of America, Database Server ransomware attacks on Identity Fraud.   |
| 12 | What are the cases you have  | I have participated previously in 5 cases   |

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|    |  |  |
|----|--|--|
|    | represented as Expert Witness  | throughout my career. They are: <ul style="list-style-type: none"><li>• 2016 Mitchell Flowers Identity Fraud case</li><li>• 2018 Singapore Sing Health Data Breach</li><li>• 2019 Charles Bananas Computer Hacking Case</li><li>• 2021 United States of America, Colonial Pipeline ransomware attack.</li><li>• 2023 United States of America Database server Ransomwares</li></ul>  |
| 13 | How can I be confident that your working environment for the forensics examination would not contaminate the evidence? | <p>Our lab is certified with ISO17025 for Forensics Testing. Our Accreditation is renewed in 2017 and is valid till 30th November 2026.</p> <p>I am confident this will bring you the confidence that our Forensics lab is safe from nature, environment, network, water, and fire hazards.</p> <p>Rest assured that the accreditation is done by ANAB, ANSI National Accreditation Board, the certification is listed within the examiner report.</p> |

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Case #: IT3563PA201520MEDENWILLSNGJINXUAN

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Page: 186

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Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: 

Date of Report: 2023-Dec-05

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## END OF EXHIBIT A-1

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Prepared by: Eden Will Sng Jin Xuan #201520M

Initials: *Eden*

Date of

Report: 2023-Dec-05

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**THIS IS THE EXHIBIT MARKED "A-2"**

**REFERRED TO IN THE AFFIDAVIT**  
**OF EDEN WILL SNG JIN XUAN**  
**SWORN THIS 25<sup>TH</sup> DAY**  
**OF DECEMBER 2023**

**BEFORE ME**

*neuvillette* **Neuvillette**

---

**Signature & Name of Notary Public**

---

## View of the Front of top of the thumb drive



## View of the Bottom of the thumb drive



---

## View of the side of the Thumb drive



---

# Exhibit “A-2” Details

Photograph of the Exhibit



| Description:   | Model  |
|--|--|
| <p>During the search and seizure of Elvis the hut's house. We have found this 64MB USB thumb drive in Elvis Possession.</p> <p>The evidence is in our possession. It is marked with evidence number #88666. It is stored in the Evidence Vault Media Room</p> <p>.</p> | <i>SanDisk Ultra Dual Drive Go USB Type-C 64MB - Black</i> |

| Specifications  |  |  |  |
|---|--|--|--|
| Storage: 64MB   |  |  |  |
| Color: Black  |  |  |  |
| I/O: USB C Male & USB A Male connection.                          |  |  |  |
| Water & Dust Rating: No Protection                                |  |  |  |
| Drop Resistant: None  |  |  |  |
| Operating Environment Temperatures: -13°F (-25°C) or 185°F (85°C) |  |  |  |

| Accessories Used: |       |             |       |
|-------------------|-------|-------------|-------|
| Item No.          | Model | Description | Image |
| -                 | -     | -           | -     |

Image Source:

[SanDisk Ultra Dual Drive Go USB Type-C 512GB - Black | Buy with Harvey Norman | Harvey Norman Singapore](#)

**END OF EXHIBIT A-2**

---

***THIS IS THE EXHIBIT MARKED "A-3"  
REFERRED TO IN THE AFFIDAVIT  
OF EDEN WILL SNG JIN XUAN  
SWORN THIS 25<sup>TH</sup> DAY  
OF DECEMBER 2023***

**BEFORE ME**

*neuvillette* **Neuvillette**

---

**Signature & Name of Notary Public**

---

## Side View of the thumb drive



---

Top View of the thumb drive



Opened view of the thumb drive



# Exhibit “A-3” Details

Photograph of the Exhibit



| Description:  | Model  |
|---|--|
| Seized during the search of Elvis School Compound. Was found in Elvis School Locker. The evidence is in our possession. It is marked with evidence number #88779. It is stored in the Evidence Vault Media Room | Samsung MUF-256DA/APC USB Type-C 32MB Flash Drive - Blue |

| Specifications  |
|---|
| Storage: 32MB   |
| Color: Blue   |
| I/O: USB C Male connection.                                       |
| Water & Dust Rating: No Protection                                |
| Drop Resistant: None  |
| Operating Environment Temperatures: -13°F (-25°C) or 185°F (85°C) |

| Accessories Used: |       |             |       |
|-------------------|-------|-------------|-------|
| Item No.          | Model | Description | Image |
| -                 | -     | -           | -     |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

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Image source:

Samsung MUF-256DA/APC USB Type-C 256GB Flash Drive - Blue | Harvey Norman Singapore

## **END OF EXHIBIT A-3**

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**THIS IS THE EXHIBIT MARKED "A-4"**

**REFERRED TO IN THE AFFIDAVIT  
OF EDEN WILL SNG JIN XUAN  
SWORN THIS 25<sup>TH</sup> DAY  
OF DECEMBER 2023**

**BEFORE ME**

*neuvillette* **Neuvillette**

---

**Signature & Name of Notary Public**

---



TB3 + Expansion Card



Power Cord

# Exhibit “A-4” Details

Photograph of the Exhibit



| Description:   | Model                    |
|--|--------------------------|
| The Tableau TD3 is a powerful and intuitive modular forensic imaging system that uses a touchscreen graphical user interface. The TD3 provides many of the functions traditionally found in general purpose, IT-oriented hard disk duplicators while also providing features and functions that serve specialized needs of the digital computer forensic industry. | TD3 Forensics Duplicator |

| Specifications  |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Sustained data transfer rates of up to 7.2 GB/minute, while performing calculations of MD5 and SHA-1 hash values, also known as fingerprints.</li> <li>2. Native support for SATA, USB 3.0, and FireWire hard disks from the source interface.</li> <li>3. Additional support for SAS and IDE hard disks using expansion modules.<br/>Native support for connecting to network storage CIFS and iSCSI shares.</li> <li>4. Network-based read only (write blocked) access to attached storage media. I Detailed log generation for case documentation.</li> <li>5. Automatic blank checking of source and destination drives.</li> <li>6. HPA and DCO support for the detection and handling of hidden/protected data areas on source drives.</li> <li>7. Remote web-based user interface</li> </ol> |  |

| Accessories Used: |       |  |       |
|-------------------|-------|--|-------|
| Item No.          | Model | Description  | Image |
| 1                 | TP5   | The TP5 provides power to the TD3 and most common combinations of source and destination hard disks. The TP5 uses a universal 2-pin, figure 8 style AC line cord and is compatible with 110-240V AC line voltages worldwide. The TP5 comes with multiple output adapters designed to fit various Tableau products. |       |

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| 2 | TDS2     | Tool-less removable SATA storage module for destination SATA hard disk. Supports adding twinning functionality by stacking two TDS2 units.            |   |
| 3 | TDPX5    | Forensic IDE expansion module to adapt to IDE source hard disks.  |    |
| 4 | TDPX8-RW | USB 3.0 Read/Write Expansion module, allowing USB 3.0 drives to be used as a destination.   |  |
| 5 | TC2-8-R2 | Hard disk power cable to connect IDE and some legacy-style SATA hard disks to the TD3 (3M to Molex).  |  |
| 6 | TC3-8    | SATA signal cable to connect SATA hard disks to the TD3.  |  |
| 7 | TC4-8-R2 | SATA/SAS power/signal cable to SATA/SAS signal and 3M power (2 pieces). This unified cable connects to newer SATA hard disks with a unified connector |  |

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| 8  | TC5-8-R2   | Hard disk power cable to connect 15-pin SATA power connectors to the TD3 (SATA to 3M).   |     |
| 9  | TC5-8-R2   | IDE signal cable to connect IDE hard disks to the TD3. Do not use the TC6- 8 IDE cable to connect notebook drive adapters to the TD3. Use the shorter TC6-2 IDE cable shown with the TKA5-AD adapter pack below. |     |
| 10 | TC7-6-6    | 6-pin FireWire cable to connect FireWire storage media devices as source disk.   |   |
| 11 | TCA7-6-9   | FireWire cable adapter to adapt from 1394A 6-pin to 1394B 9-pin. Used to connect FireWire devices with 1394A 6-pin connectors.   |  |
| 12 | TC-USB3-18 | USB 3.0 cable (A to B) to connect USB 3.0 storage media as source disk.  |   |
| 13 | TC3-22-18  | Unified SATA cable (22-pin male to 22-pin female) to connect a destination SATA hard disk. Used when imaging a bare SATA hard disk instead of to TDS1/TDS2.  |  |

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|----|---------------|--|--|
| 14 | TDA Multipack | Adapter pack for notebook hard disks.<br>Includes TC6-2, TDA3-1, TDA3- 2, TDA3-LIF with 2 LIF cables, TDA5- 18, TDA5-25, and TDA5-ZIF with TC20-BNDL cables in a black TB4 bag |    |
| 15 | TPKGVCT-5     | Five pack of Velcro cable ties   |  |
| 16 | TQS-TD3 Q     | Quick Start card for TD3 kit   |  |

**END OF EXHIBIT A-4**

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