



## **NALS**

### **Marital Issues & Divorces are Fueling Spy Technology Sales**

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- Almost Everything: from the character of the user to their interests, activities, financial health, acquaintances and more.
  - Collected from their life online: applications, email systems, web browsers and free space.
  - The details from their life, outlook, intelligence and interactions are as individual as any fingerprint.
  - All Public & Private business transactions, communications with accomplices, fraud indicators and much more are frequently available.

### **What can data Forensics Tell Us?**



## Reasons to examine electronic data

- Almost all documents are now 'word processing' documents.
- Nearly all business activities are now computerized
- E-mail communications have surpassed telephone and postal ( snail mail ) communication.
- Text Messages now overshadow E-mail

- All known devices
  - Computers
  - Cell phones
  - Tablets
  - Backup drives

## Getting Started



## Sources of Evidence: Computers

- Hard Disk Drive
  - Hard Drive Image or Mirror Image: This is a bit-by-bit copy of storage media. (i.e., an exact copy of a physical Hard Drive).

## Sources of Evidence Computers

- Computers
  - Email accounts
  - Online storage accounts
  - Digital Faxes
  - Audio / Video files
  - Google Searches ( Sorry Bing )

## Sources of Evidence: Cell Phones

- The Good:
    - They do more for us than ever before!
  - The Bad
    - As they become more complex they take time to analyze
  - The Ugly
    - People know to use and dispose of them
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## Capturing Data

- Cell Phone
    - Capture. This is different in that not everything on all cell phones can be copied.
    - Data must be sent to the phone to do the capture.
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# Portable Sources of Evidence

- Cell Phones & Tablets
    - Text messages
    - Photos?
      - GeoTagging
    - Calendars
    - Phone Books
    - Call Logs
    - Complete information about where the phone has been....
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Item	Conn. Date	Conn. Time	Orig. Number	Term. Number	IMEI	Description	Content	Tower Location
1	9/23/2013	11:48	Redacted	Redacted	Redacted	Incoming SMS	Wht up, lookn 4 sum peace tabs or at lest sum oj, u got any?	33.30522, -111.72406
2	9/23/2013	11:49	Redacted	Redacted	Redacted	Outgoing SMS	I'll check, how much do u need?	33.30522, -111.72406
3	9/23/2013	11:50	Redacted	Redacted	Redacted	Incoming SMS	Enough 4 the weeknd, couple grams?	33.30522, -111.72406
4	9/23/2013	11:53	Redacted	Redacted	Redacted	Outgoing SMS	Meet at Pacos in 30?	33.30522, -111.72406
5	9/23/2013	11:54	Redacted	Redacted	Redacted	Incoming SMS	Tight	33.30522, -111.72406

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