Safety and Security in a Digital Age

AAML Mid-Year Meeting March 19, 2013 Las Croabas, Puerto Rico



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Anecdotal Fact Situation 1

Questions are asked that you and your client agree that there is no way the other side should know to inquire about unless they had access to confidential communications with the lawyer.

What is going on?





SPYWARE



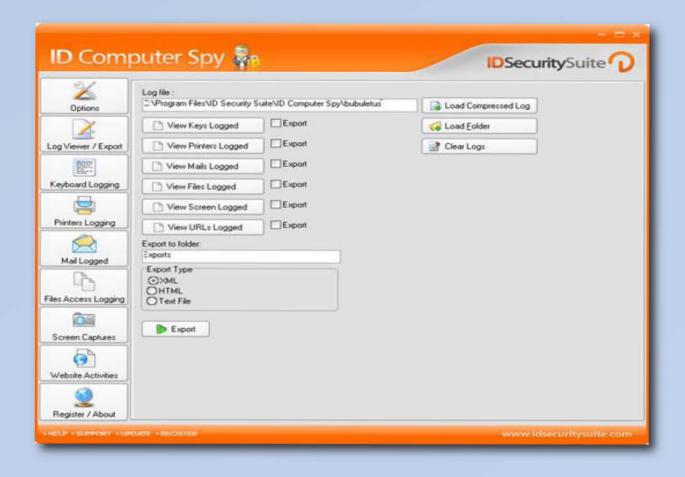
What is it?

- -Collects personal information, monitors browsing habits, and takes snapshots of screens
 - Can be installed on computer without consent of owner





Recorded Information Activity Sheet







•FILM CLIP

THE NET •(SANDRA BULLOCK)











TIPS TO HELP PROTECT YOUR CLIENT

- Install anti-spyware programs
- Do not open emails or click on links from unknown sources
- Activate privacy settings for phone and Bluetooth
- Change computer passwords and PINs frequently
- ANY more tips included in article!











Password Security—for everyone

- Don't leave password lists lying around on Post-Its
- •Use different passwords everywhere to protect your vitals better
- •Have a PASSWORD PROTECTED list of passwords on your computer that NO ONE KNOWS the password for
- •Keep that super-password in your sole access safety deposit box
- •iPhone app called 1Password

PRIVATE INVESTIGATORS

- Generally in civil cases, PIs can install GPS devices onto ANY car as long as the PI does not:
 - -trespass
 - -use vehicle's power, or
 - -enter a closed compartment
- •Examples of GPS use in divorces and the different rules that apply:
 - Between spouses
 - For use on paramour's vehicle



"Nanny Cams"

- Expectation of privacy
- Restrictions
 - -Areas
 - -Audio

















Anecdotal Fact Situation 2

Your client, W, suspects that H has an interesting personal & financial life outside of her knowledge as a stay-at-home mom.

W sees 2nd page of their tax return - every year for 12.5 seconds. She knows that her husband keeps his laptop computer with him everywhere, but she does not know whether he owns it personally or whether his employer owns it





Who owns the computer?

How does ownership affect Wife making a copy of the hard drive?

Do her actions violate any laws?





Where are the lines drawn?

What if the computer is owned by H's business?

What if Husband owns the business & it is a marital asset.

What if Husband is just an employee?





How does Lawyer protect himself?

How does Lawyer protect Wife?





Anecdotal Fact Situation 3

Wife is sure that her husband is not only smoking dope/cheating on her/whatever, and tells him she has proof of same - in writing.

Husband accuses her of hacking his email/ Facebook/My Space pages.

What do you advise your client?





- 1. First, explain legal v. illegal means to obtain spouse's information re: emails, Facebook, MySpace, texts, LiveChat, etc.
- 2. Determine if spouses are living together.
- a. How did W obtain H's password?
- b. If W did not have password, but H's Social Media account was was left open, is W ok?
- 3. If spouses are separated, how does this impact the situation?
- 4. What if W guessed H's password? Ok?
- t if W used spy software or keystroke software?



Anecdotal Fact Situation 4

Husband suspects wife is having an affair. He decides to follow her.

What are the legal ways Husband can follow Wife?





FILM CLIP

EAGLE EYE

(SHIA LABEOUF)





LEGITIMATE USES OF GPS DEVICES

Cell phones and other electronic devices can be used as GPS devices to keep track of children, employees, and spouses.











Various GPS Devices

Variety of sizes depending on whether device is a real-time tracker or a recorder



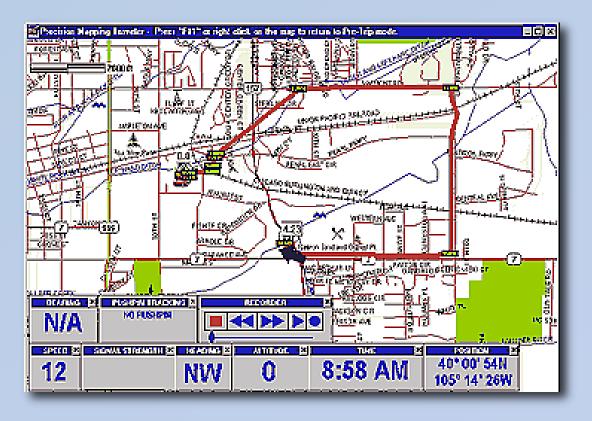








Real-Time Location Tracker Screen Shot of Sample Report







Sample Report--Summary

Summary Statistics:

Total stop time (d:hh:mm)	0:01:01		
Number of stops	3		
Average stop time (hh:mm)	00:20		
Maximum stop time (hh:mm)	00:52		
Minimum stop time (hh:mm)	00:03		
Total duration of in-transit times (d:hh:mm)	0:00:54		
Number of in-transit runs	3		
Average in-transit time (hh:mm)	00:18		
Maximum in-transit time (hh:mm)	00:27		
Minimum in-transit time (hh:mm)	00:01		
Total distance traveled (miles)	48.3		
Average speed traveled (mph)	53.0		
Maximum speed traveled (mph)	77.7		





Detailed Report

Activities Report

Created October 6, 2002

Filename: C:\Program Files\Precision Mapping Traveler 4.0\test2.gps

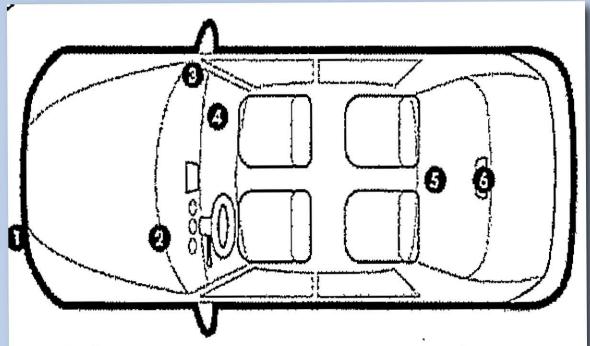
Vehicle ID: Test Vehicle

Date	Action	Begin	End	Duration	Mileage	Max Speed	Location
06/12/2002	Power On	10:09:13	-	-	-	-	-
06/12/2002	Stopped	10:09:13	10:14:26	0:00:05:13	-	-	Lat: 33.9426 Lon: - 117.2443
06/12/2002	InTransit	10:14:26	10:15:33	0:00:01:07	0.0	15.4	-
06/12/2002	Stopped	10:15:33	10:19:03	0:00:03:30	-	-	Lat: 33.9425





PLACES TO HIDE A GPS DEVICE



[1] Inside plastic humper [2] In gap between window and hood [3] Inside stereo speaker [4] In front dash [5] Under rear-dash fabric [6] In rear dash or third brake light





FEDERAL GPS LAW

US v. Garcia

- -7th Circuit, 2007
- -Examined Fourth Amendment as it related to law enforcement use of GPS
- -No "search" if vehicle located on a public road
- No "seizure" if GPS device did not use power from vehicle or otherwise alter its driving capabilities
- -US Supreme Ct denied cert
- -DC Circuit Court declined to follow 7th Circuit & found law enforcement's use of GPS a violation of 4th Amendment, *US v*.
 - ynard, August 2010



US v. Knotts

U.S. Supreme Court, 1983 (Still good law)

- -Law enforcement's surveillance using digital beeper basically the same as following an automobile on public streets.
- –A person traveling in an automobile on public roads "has no reasonable expectation of privacy in his movements."
- -Not followed by Oregon on state law grounds





Federal Wiretap Act

18 USC 2510(12)(C): "electronic communication" means any transfer of signs, signals, writing, images, sounds, data . . . transmitted in whole or in part by a wire, radio. ... system that affects interstate or foreign commerce, but does not include...any communication from a tracking





Anecdotal Fact Situation 5

W discovers H's affair.

H admits affair & admits he communicated by email with his paramour.

W informs daughter-in-law who knew H's Yahoo email account & correctly guesses H's password & security questions to access the account.

Daughter-in-law copies emails & gives to W's attorney.

H sues W, daughter-in-law & attorney alleging violations of the Communication Act & violations of state law.

RAGGIO & RAGGIO

Jennings v. Jennings, No. 27177, _ S.E.2d _ (S.C. filed Oct. 10,2012)

SC Supreme Court held:

Not a violation of the Stored Communication Act to access another's email account through an account provider & print copies of emails *previously read* by the recipient.

Emails *not temporary* & *not in transmission*----only copy of such email, could not constitute a backup of such communication.

Therefore, emails that read & not in transmission does not meet definition of electronic storage.





Anecdotal Fact Situation 6

Post divorce child custody dispute.

911 call that armed robbery in progress at Mother's apartment where child lives.

Swat team arrives, knocks, & busts down the door.

Surprised Mom tells the cops nothing is happening & no one made the call.

Police make sure mom & child not in danger & search the place.

Find graphic evidence of Mom's new career as an oil wrestler.

Evidence found that Father spoofed the 911 call?



THOUGHTS?

SPOOF CARDS

Prepaid phone cards that allow the user to change what someone sees on their caller ID display when they receive a phone call.







Available as an iPhone Application







POTENTIAL FRAUDULENT USES

- Authenticating stolen credit cards
- Spoofed emergency calls
- Breaking into another's voicemail
- Harassment between divorce litigants
- Falsifying text messages
- Falsely calling in prescriptions







More SpoofCard Abuse

- Telling a friend he lost his job or his professional license was revoked
- Spoofing call from Planned Parenthood with "test results" that one is pregnant
- Faking call to spouse's phone as if it came from a lover to strengthen fault allegations
- Ex's spoofing call as if in victim's home or victim's relative's home
- Calling in fake prescription for opposing party



SPOOF CARD CASES

•Federal Truth in Caller ID Act ("TCIA") 2009

•So. District of MS held MS's 2010 caller ID antispoofing act violates Commerce Clause, *TelTech Systems v. Barbour*

• TelTech v. Bryant, US Ct of Appeals, 5th Cir., December 10, 2012





Spoofing











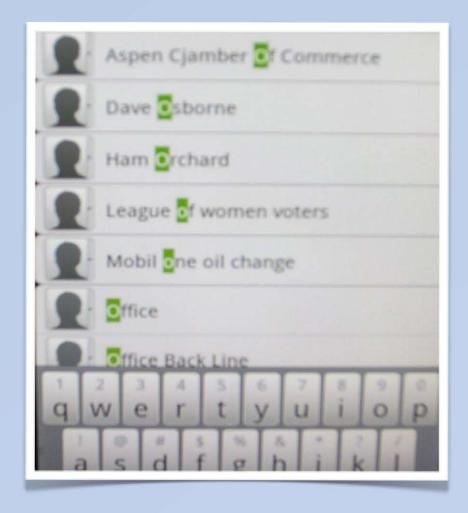






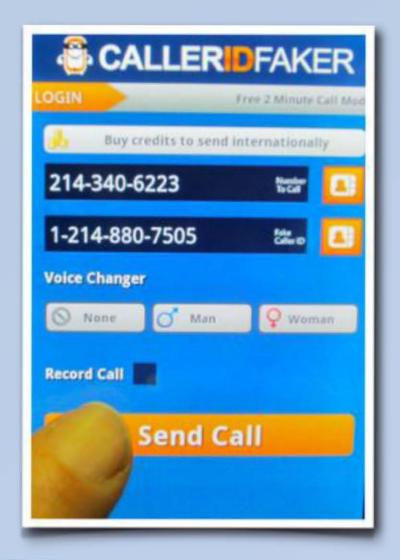


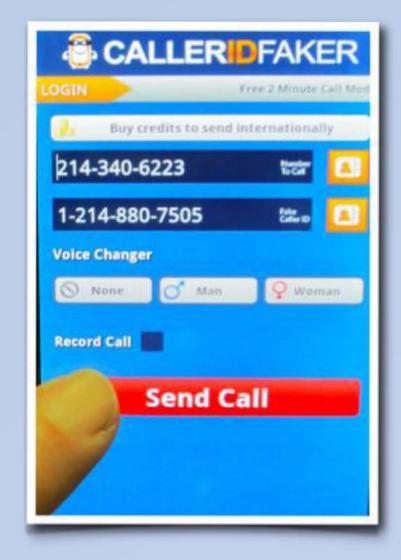






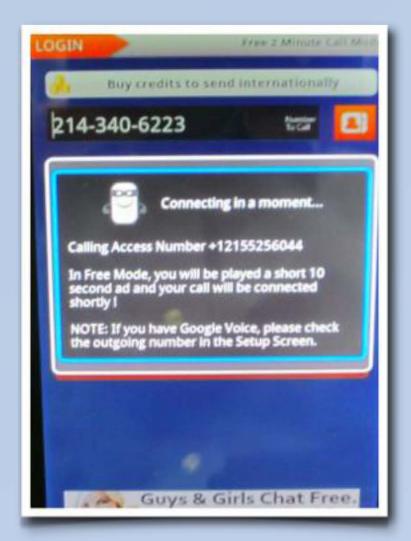












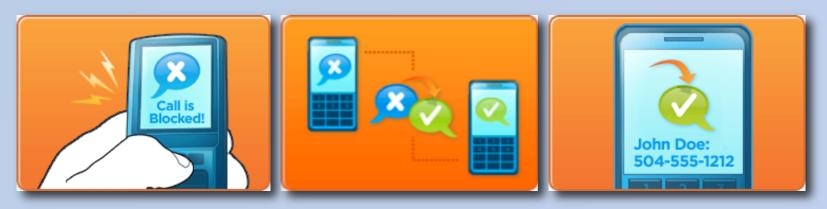






TRAP CALL CARDS

Phone cards that allow users to unblock and reveal callers' identities and numbers even after people have tried to block the information with *67 or unlisted numbers.







The Lay of the Land





Traditional Discovery

Traditional Surveillance

"Enhanced" Surveillance





Evidentiary Issues in Court

- A. Computer Hard drive Must show good cause to obtain and clean Chain of Custody to present
- B. "Hard" Evidence
- C. Electronic Evidence
- D. Websites/Facebook/Twitter
- E. Individual Items on Websites, blogs, Facebook and Twitter such as posts, comments or photographs





PREREQUISITES TO ADMISSIBILITY OF EVIDENCE

LORRAINE v. MARKEL Judge Paul W. Grimm

- Relevant (FRE 401)
- Authentic (FRE 901(a)-902)
- Not Hearsay (FRE 801-807)
- Original or Duplicate (FRE 1001-1008)
- Probative Value vs. Unfair Prejudice (FRE 403)





2012-09-23 20:10:06 in 2149143795 2149143795 1,500 a month your rent will be \$1,200.00. Let's be civil, stick with the plan so our son can enjoy his high school years and you will be able to buy a

2012-09-23 20:10:06 in 2149143795 2149143795 house in 3-4 years. I want answer tomorrow. Do we have an agreement or do I contact a realtor. Done with Scott and not talking to him anymore.

2012-09-24 08:07:21 in 2149143795 2149143795 Julie I need an answer today. Do we have an agreement about the house or not? If we do then we will sort out the rest of possessions as discussed with

2012-09-24 08:07:23 in 2149143795 2149143795 out the vindictive drama. If not the house goes in the market now. I can't deal with your outbursts another day let alone 3-4 years. Your decision.

2012-09-24 08:07:24 in 2149143795 2149143795 Continue to dictate, be cruel and mean we sell now. Work together and collaborate and be civil and you can enjoy living in the house. Just think about

2012-09-24 08:07:25 in 2149143795 2149143795 lan's feelings when you take those chickens somewhere to give them away. Look this is a wonderful place for him to grow up. In a beautiful home, arc

2012-09-24 08:07:26 in 2149143795 2149143795 hitectural design, the yard, chickens. Why fuck it up!

2012-09-24 08:10:41 in 2149143795 2149143795 And have you looked at places you can afford to live in on your income - you aren't going to be living in anything remotely close to the house and yard.

2012-09-24 08:10:43 in 2149143795 2149143795 We agreed to make this as painless as possible for lan but you seem intent to cause him a lot of pain.

2012-09-24 08:13:29 in 2149143795 2149143795 If nothing else think about it from lan's perspective. I want him to live out his childhood in the house. If I'm paying for it we have to work together

2012-09-24 08:13:31 in 2149143795 2149143795 . Otherwise it's sold so I can be free of the payments and free from the your unreasonable threats.

2012-10-06 18:30:23 out 2149143795 2149143795 Gary, I think it is in lan's best interest if he doesn't spend the night with you and Amy until our divorce is finalized.

2012-10-06 19:35:13 out 2149143795 2149143795 ???



Page 4 of 64







Evidence Intake & Chain of Custody

Client No.			Date:		
Case Name:					
Trustee / Receiver:		PIC:			
Manager:					
Custodian:		Eviden			
□ Desktop □ La	ptop Mobile	☐ External Dr		ntao HD, HDT, PC, etc. /er	
Description:					
Details					
Make:	Make: Bios Date / Time:				
Model:	Ref Date / Time:				
Serial No:		T			
HDD1 □ IDE □ SATA □ SCSI HDD2 □ IDE □ SATA □ SCSI					
Size:		Size			
Make:		Make			
Model:		Model	2		
Serial No:		Serial No	:		
Evidence No:		Evidence No.	:		
Released by:	Date / Tin	e Received by		Date / Time	



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Fax: 650.887.167: geogle-legal-support@geogle.com www.geogle.com

September 13, 2012

Via Email and Express Courier

Re: L District of California,

United States District Court for the Northern

Dear

Pursuant to the Subpoena issued in the above-referenced matter, we have conducted a diligent search for documents and information accessible on Google's systems that are responsive to your request. Our response is made in accordance with state and federal law, including the Electronic Communications Privacy Act. See 18 U.S.C. § 2701 et seq. By this response, Google does not waive any objection to further proceedings in this matter.

We understand that you have requested customer information regarding the user account specified in the Subpoena, which includes the following information: (1) Subscriber and recent login information for the Gmail account

To the extent any document provided herein contains information exceeding the scope of your request, protected from disclosure or otherwise not subject to production, if at all, we have reducted such information or removed such data fields.

Finally, Google requests reimbursement in the amount of \$125 for reasonable costs incurred in processing your request. Please forward your payment to Google Custodian of Records, at the address above and please write the Internal Reference Number on your check. The federal tax ID number for Google is 77-0493581.

Very truly yours,

Andrew Chung Legal Investigations Support



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CERTIFICATE OF AUTHENTICITY

- I, Andrew Chung, certify:
- 1. I am a Custodian of Records for Google Inc. ("Google"), located in Mountain View, California.

 I am authorized to submit this Certificate of Authenticity on behalf of Google in response to a

 Subpoena dated August 21, 2012 (Google Inc. Internal Reference No.

 v. John Doe. I have personal knowledge of the following facts and could testify competently thereto if called as a witness.
- The documents contained in Exhibit A and attached hereto are true and correct copies of records pertaining to the email address

 @GMAIL.COM.
- 3. The documents attached hereto reflect records made and retained by Google. The records were made at or near the time the data was acquired, entered, or transmitted to or from Google; the records were kept in the course of a regularly conducted activity of Google; and the making of the records were a regular practice of that activity.
- I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

DATED: September 13, 2012

Andrew Chung, Custodian of Records for Google Inc.









Log

All times are displayed in UTC/GMT.

Date/Time	Event	No. 15	IP
07-Aug-2012 06:12:37 pm GMT	Logout		198.22,122,160
07-Aug-2012 06:06:36 pm GMT	LOGIN ATTEMPT	AND SUCCESS	198.22.122.158
07-Aug-2012 06:06:06 pm GMT	LOGIN_ATTEMPT_		
07-Aug-2012 05:04:09 pm GMT	Logout		198.22.122.160
07-Aug-2012 04:55:42 pm GMT	LOGIN_ATTEMPT_A		
07-Aug-2012 04:55:13 pm GMT	Logout		198.22.122.158
07-Aug-2012 04:50:38 pm GMT	LOGIN_ATTEMPT_	AND SUCCESS	198.22.122.158
07-Aug-2012 04:50:38 pm GMT	Login Attempt		198.22.122.158
07-Aug-2012 04:39:15 pm GMT	Logout		198.22.122.158
07-Aug-2012 04:34:35 pm GMT	LOGIN_ATTEMPT_	AND SUCCESS	198.22.122.123
07-Aug-2012 04:34:35 pm GMT	Login Success	D.D. COLLOO	198.22.122.123
07-Aug-2012 01:35:33 pm GMT	Logout		206.217.76.98
07-Aug-2012 01:31:08 pm GMT	LOGIN_ATTEMPT_		
06-Aug-2012 02:13:15 pm GMT	Logout		206.217.76.98
06-Aug-2012 01:48:23 pm GMT	LOGIN_ATTEMPT_A		
03-Aug-2012 01:11:32 pm GMT	Logout		206.217.76.98
03-Aug-2012 12:57:48 pm GMT	LOGIN_ATTEMPT_		
01-Aug-2012 01:33:48 pm GMT	LOGIN ATTEMPT		
29-Jul-2012 07:57:55 pm GMT	Logout		198.22.122.160
29-Jul-2012 07:47:26 pm GMT	LOGIN ATTEMPT		
29-Jul-2012 07:46:53 pm GMT	Logout		198.22.122.160
29-Jul-2012 07:43:52 pm GMT	LOGIN_ATTEMPT_A		
29-Jul-2012 07:27:50 pm GMT	Logout	in baccoroo	173.220.247.18
29-Jul-2012 07:23:33 pm GMT	LOGIN_ATTEMPT_A	AND SUCCESS	
29-Jul-2012 07:13:35 pm GMT	Login Success		68.196.177.120
The same transfer of the same states			

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RELEVANT FEDERAL & STATE LAWS AFFECTING ESI

- A. Wiretap Act
- B. Stored Communications Act 18 USC 2701
- C. The Computer Fraud Act 18 USC 1030
- D. Electronic Discovery Act
- E. Electronic Communications Privacy Act
- F. Federal Truth in Caller ID Act ("TCIA") 2009
- G. After-the-Fact Civil Remedies Available to "Wronged" from the "Perpetrator(s)"

Use of Electronic Evidence

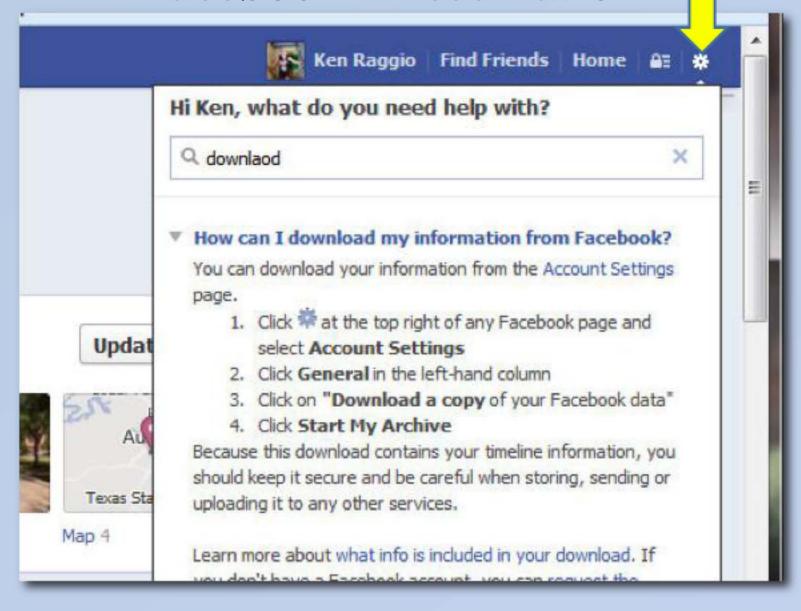
- A. Discovery Requests and Acquisition of Evidence
- B. Evolving Trends
- 1. Emails
- 2. Reply Letter Document
- 3. Text Messages (Christou v Beatport) US DC, CO 2013
- 4. Internet Website Postings (Tienda v. State)
- 5. Chat Room Content
- 6. Invasion of Privacy
- C. Stored Data Versus Processed Data (Garcia v City of Laredo)
- D. Hearsay or Not
- E. Authentication



Facebook "Preservation"



Facebook "Preservation"



Facebook—How MUCH Data!?!

Accessing Your Facebook Info

Where can I find my information?

Your information is available to you in three different places:

Downloaded Info

This includes your timeline info like posts you've shared, messages, photos and more. Learn more.

To download your information, go to your Account Settings and click Download a copy of your Facebook data.

Expanded Archive

This is in addition to your downloaded info, and contains even more account info like logins, cookies and more.

The link to download your expanded archive is on the same page where you download your information.

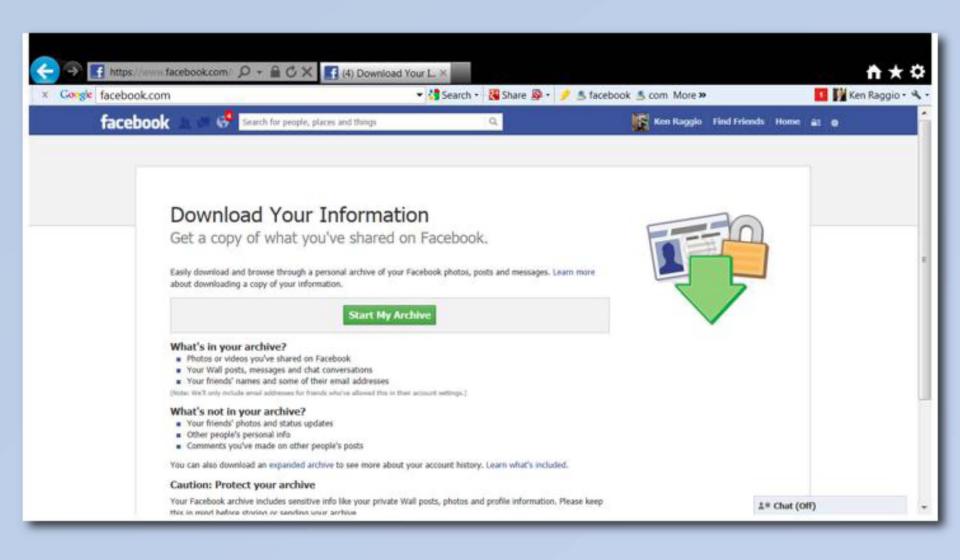
Activity Log

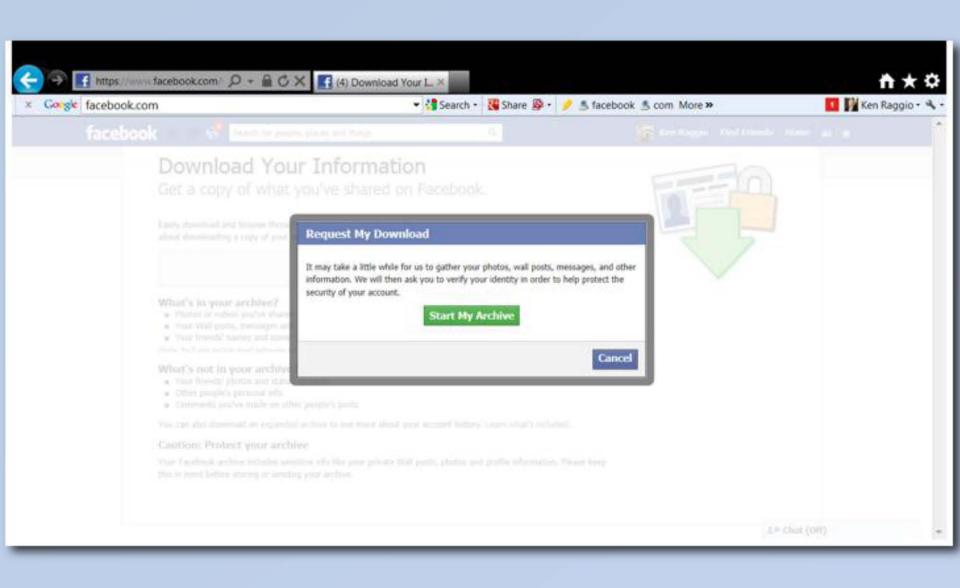
This is a history of all your activity from posts you've commented on or liked, to apps you've used, to anything you've searched for. Learn more.

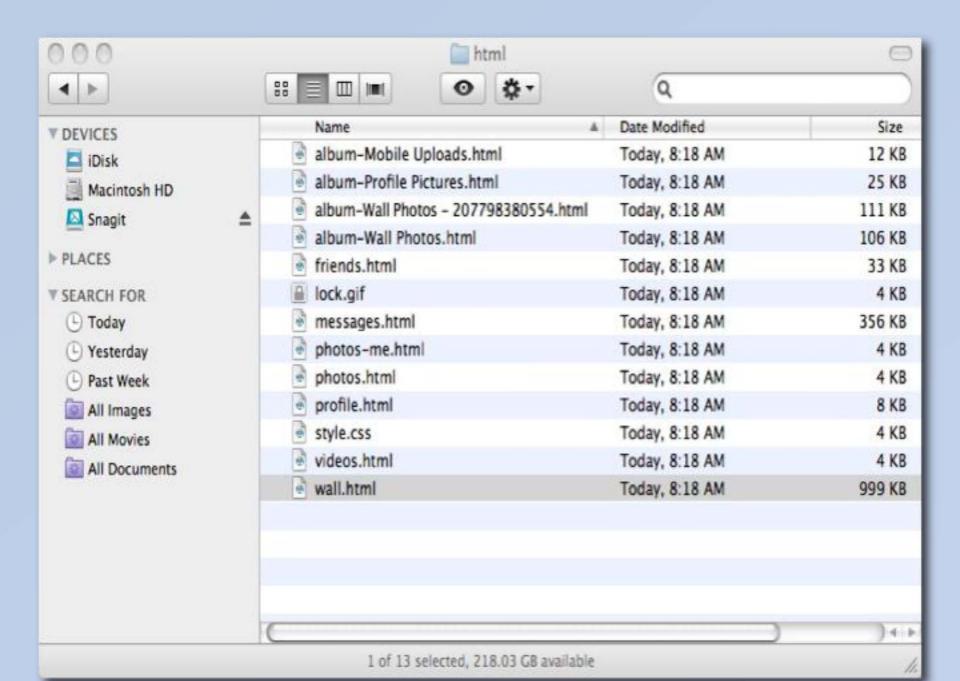
Your activity log can be accessed from your timeline.

What type of information is available?

This is the info you can find, a short explanation of what it is and where you can find it (downloaded info, expanded archive or activity log). We store different types of data for different time periods, so we may not have all of your data since you joined Facebook.







Text MOVIE CLIP

THE CONVERSATION (Gene Hackman)

The more things change...

the more they stay the same!!!