



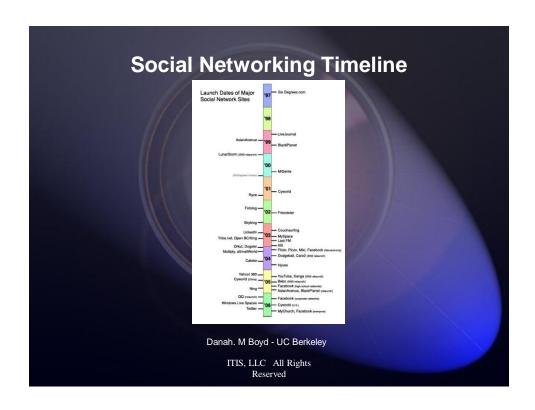
# Your Instructor James Dill, Deputy Chief, Retired PA Office of Attorney General Instructor – Alutiiq International, LLC President of Innovative Technology & Investigative Solutions jdill@itis-Ilc.com 717-884-8167

### What is a Social Network? Any group that gets together with a common interest What is online Social

- What is online Social Networking?
  - Socializing from behind a keyboard

**Definition** 

- Keyboard Courage









### How big is it?

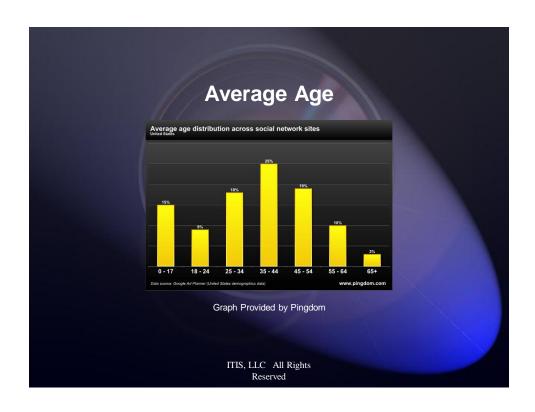
- Facebook alone has over 1.2 BILLION users!!
  - Population of the US is around 330 million!
  - That is 11% of the world's population.
  - Social Networking is a business!!!
- Google+ had reached 10 million users just two weeks after it was launched. After 4 weeks in operation, it had reached 25 million users. That took Facebook 3 years! As of the end of Dec. 2013 it had 510 million users\*.
- Twitter has 500 million tweets written each day

\*stats by UK market research firm Trendstream

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### Number of Social Network Users

- There are now more social-networking accounts than there are people in the world, according to figures from In-Stat.
- THE FASTEST GROWING DEMOGRAPHIC ON TWITTER IS THE 55-64 YEAR AGE BRACKET.
  - This demographic has grown 79% since 2012.
  - The 45–54 year age bracket is the fastest growing demographic on both Facebook and Google+.
  - For Facebook, this group has jumped 46%.
  - For Google+, 56%.



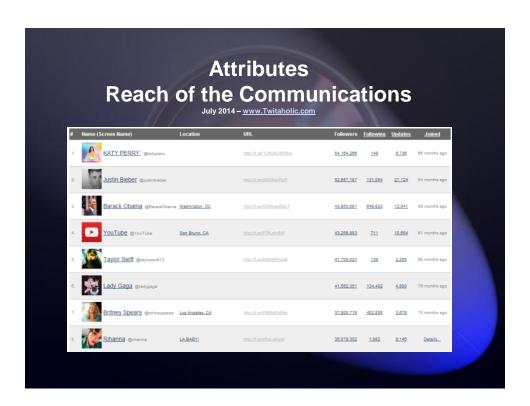






### Attributes Instantaneous Communications • Chats, Posts, IM, Photo & Video uploads • You can be "notified" upon receiving any communication.





### Attributes Reach of the Communications

- YOUTUBE REACHES MORE U.S. ADULTS AGED 18–34 THAN ANY CABLE NETWORK
- EVERY SECOND TWO NEW MEMBERS JOIN LINKEDIN
- THE SUPER BOWL AVERAGED 11,000 TWEETS/SECOND!

### Social Networking Terms

 Many folks don't have a basic understanding of some simple Social Networking terms.

For Example

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### **Social Networking Terms**

- Avatar A small image found at the top of your page. It's usually a photo of yourself but sometimes it's an image of something else you like.
- <u>Buddy/Friend List</u> A collection of friends and contacts names stored in a central database that you want to share with.

### **Social Networking Terms**

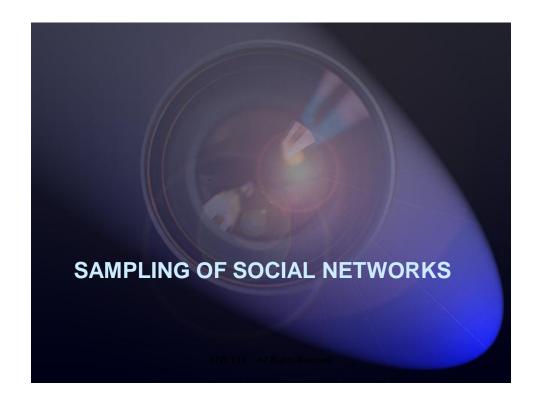
- Micro blogging A form of blogging involving very short messages (140 characters) similar to text messaging.
  - Most common micro blog: TwitterTwitter message is a "Tweet"
- MMORPG A Massively Multiplayer Online Role-Playing Game such as World of Warcraft.
  - Virtual Worlds REAL Crimes!

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### **Social Networking terms**

- <u>Tagging</u> The process of adding information (usually a name) that identifies a Web photo
- Geo-Tagging Adding location information usually in the form of GPS coordinates to your communication.
  - Dozen of Smartphone apps dedicated to sharing location information

### Social Networking Terms Instant Messaging/Chat/Micro Blog/Private Messages - instantaneous person-toperson keyboard communication.

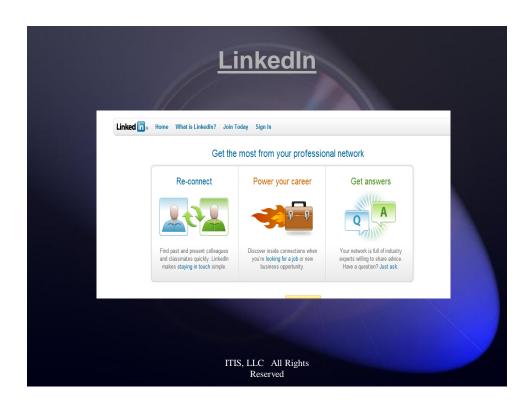




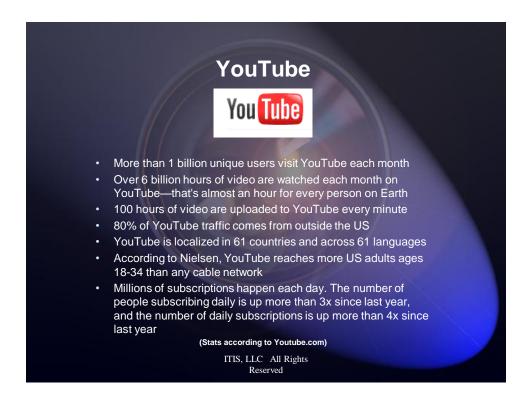












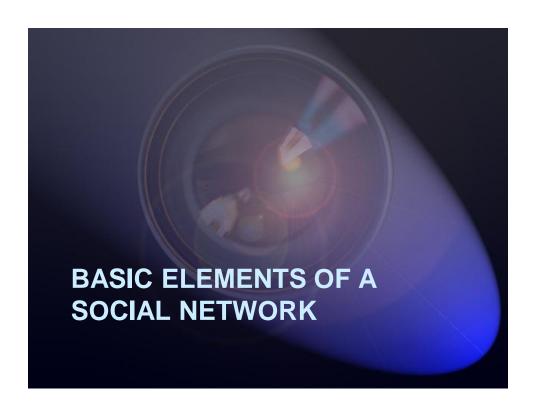












# • A profile or bio about yourself (personal info) usually includes Avatar (photo).

### Profile Info-what are they asking for?

- Picture
- Sex
- DOB/POB
- Email address
- Address
- Cell Phone #
- · Other #'s
- Education
- Years Graduated
- Work History
- Family

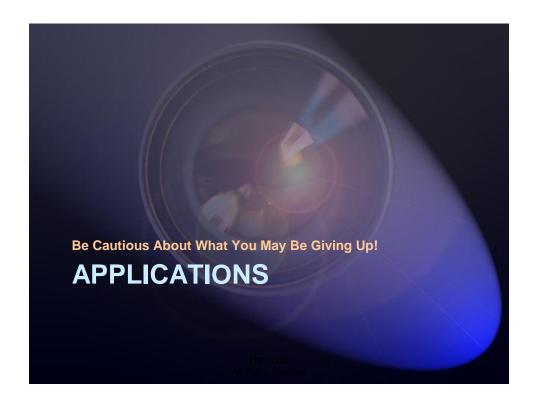
- Relationship Status
- Income
- Religion
- Political View
- Hobbies & Interests
- Languages
- No verification

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### Elements of a Social Network

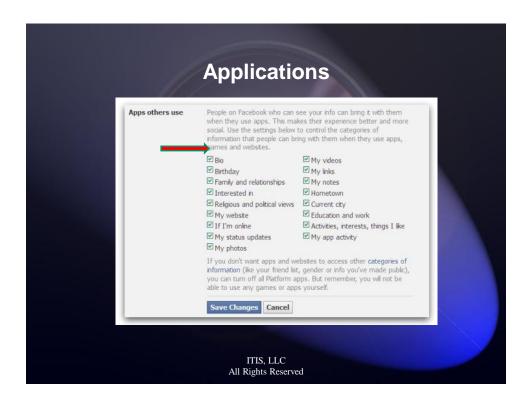
- Search for & create "friend" lists
- Status updates/news feeds
- Photo & video sharing EXIF Information
- Photo Tagging & Facial Recognition
- Blogs sharing thoughts, opinions, events, links, etc.
- Send & receive messages (open or private)

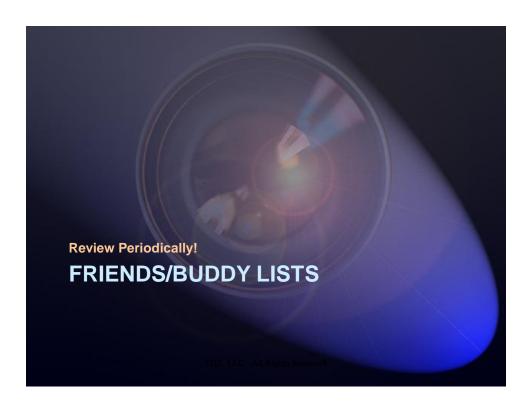
# Elements of a Social Network • Applications (games, utilities, etc.) This app may post on your behalf, including objects you liked, readers you followed and more. • Terms of Service — sample • Privacy Controls • Geo-Tagging/Geo-Location Let's take a deeper look at a couple of these elements



### **Applications**

- You should always be careful about which Facebook apps you allow to connect with your account, as they can collect varying levels of information about you. If you aren't comfortable with that, don't install the app.
- Furthermore, even if you are careful about what Facebook apps you install - are your friends being just as cautious?
- It may surprise you to hear that when other Facebook users choose to install apps they can then share the information they can see about you with those apps.



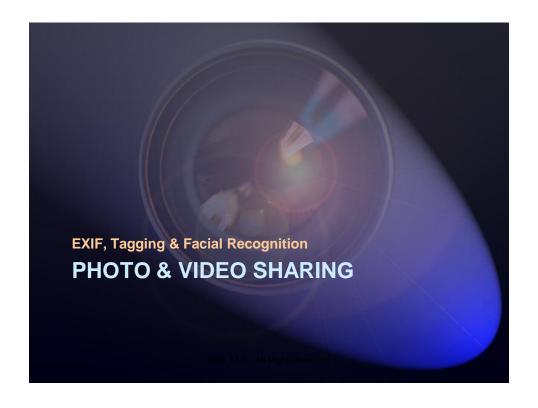


# Friends/Buddy List One you accept someone as a "Friend" they normally have unfettered access to your postings, pictures friend listing. Social Networking sites suggest friends you may know based on your profile or contact list Many accept "Friends" that they don't even know.





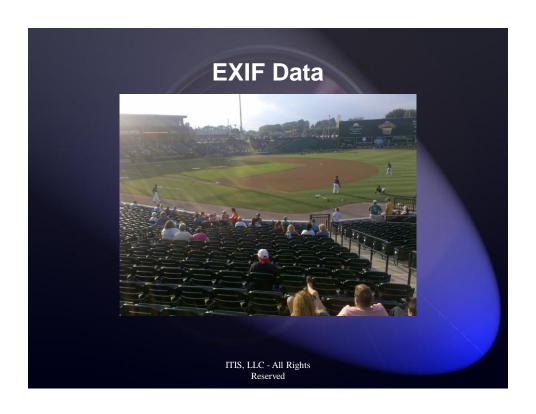


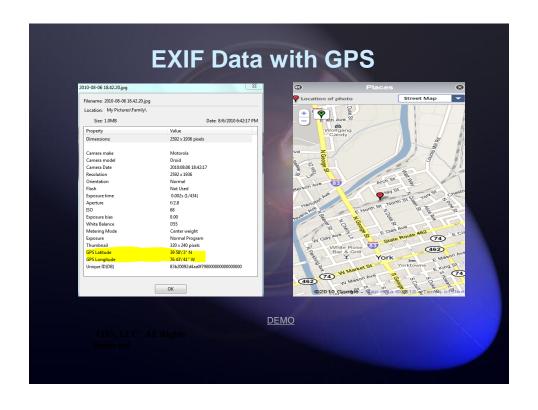


### **EXIF - Exchangeable Image File Format**

- Camera settings and scene information are recorded by the camera into the image file.
- · Often called Metadata.
- Most photo viewers can read EXIF data
- Most cell phone cameras insert EXIF information







# EXIF Location Data Demo • My Photos — Windows Photo Viewer — Picasa • http://www.flickr.com/map

### **Real World Example**

- From a 3/7/12 article posted on <u>WWW.ARMY.MIL</u>: "Geotagging Poses Security Risk"
- A fleet of US Army helicopters flew into a base in Iraq. Soldiers took pictures on the flight and then uploaded them to the internet.
- Based on the automatic geotagging applied to photos by almost every smartphone on the market, the enemy determined the exact location of the helicopters inside the compound and launched a mortar attack that destroyed four AH-64 Apaches

### How Easy is it to Track Your Family?

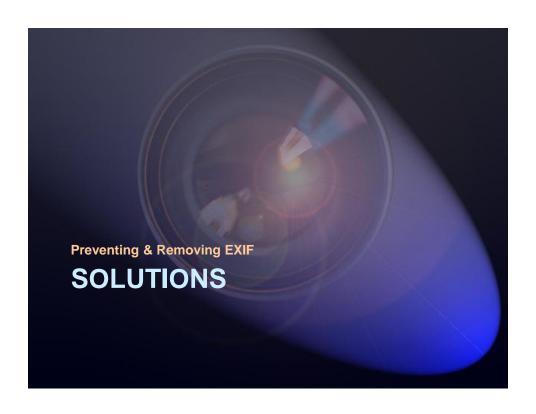
### The following was published in Wired Magazine:

"I ran a little experiment. On a sunny Saturday, I spotted a woman in Golden Gate Park taking a photo with a 3G iPhone. Because iPhones embed geodata into photos that users upload to Flickr or Picasa, iPhone shots can be automatically placed on a map. At home I searched the Flickr map, and score—a shot from today. I clicked through to the user's photostream and determined it was the woman I had seen earlier. After adjusting the settings so that only her shots appeared on the map, I saw a cluster of images in one location. Clicking on them revealed photos of an apartment interior—a bedroom, a kitchen, a filthy living room. Now I know where she lives."

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### Things to Consider!

- What information might you or your family members be unwittingly disclosing when sharing digital photos?
- Can all or part of the EXIF data be removed?
- What information might I obtain from EXIF data from my suspects photos?
- How can I best protect myself and my family?





### **EXIF Data Solutions**

- Set security on photo sharing site.
- Remove EXIF information
  - With Window's Vista or 7:
    - Right click photo
    - Select: Properties
    - Select: Details
    - Select: Remove Properties & Personal Detail
    - Choose to remove all or just GPS data

<u>DEMO</u>

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### **EXIF Remover/Editor App**

Free Powerful Photo Tool for viewing & editing EXIF information are: <a href="mailto:irfanview">irfanview</a> which has plugins to view, edit and delete exif data.

FastStone Image Viewer 4.6 is also a powerful photo tool that also allows the viewing, editing and deletion of exif data.

Opanda PowerExif is a professional EXIF Editor, it allows to create, modify & delete EXIF tags in digital image easily & freely.



# Photo & Video Sharing • According to statistics gathered by Pixable and posted on www.Photoweekly.com — Photobucket has 10 billion photos posted on line — Picasa has 9 billion photos posted on line — Flickr has 8 billion photos posted on line

### **Photo & Video Sharing**

The number of photos on Facebook is exploding!! With the purchase of Instagram for \$1 BILLION dollars Facebook now houses over 250 Billion photos on their servers!

250,000,000,000

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### Photo & Video Sharing

- Facebook is the largest repository of pictures anywhere and at any time in history per the NY Times!
- As of February 2013, its users upload 350 million pictures a day!

# Photo Searching There are numerous search engines that search the unprotected photos on Facebook as well as other Social Networks e.g. http://www.labnol.org/image-search/ This image search engine lets you find photos that are on Facebook, Flickr, Zooomr, MySpace, US Government sites, Photobucket, Corbis, deviantart, Webshots, Blogger, Typepad and WordPress. ITIS, LLC All Rights Reserved

### **Image Search**

- If you have an image and you want to see where else on the net it might be located
  - www.tineye.com
  - www.lmages.google.com

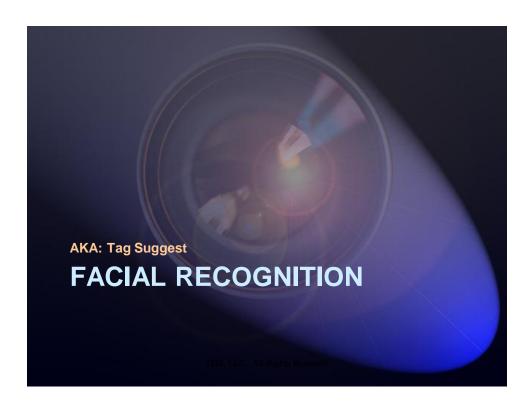
# Photo Tagging • Every day, people add more than 100 million tags to photos on Facebook. • Tagging is adding the name of an individual pictured in the photograph. ITIS, LLC, All Rights Reserved



### Removing a Photo Tag

- You may remove a tag from a photo you're tagged in, so it doesn't appear on your profile (timeline).
   Removing a tag unlinks your name from the photo and ONLY takes the photo off your profile (timeline). The photo will still be visible in other places unless the person who posted it takes it down.
- What if you don't use Facebook?
   If you don't like a photo you're tagged in, you can ask the person to take it down or escalate the issue.
  - Facebook can't make people remove photos that don't violate their <u>Statement of Rights and Responsibilities</u>.

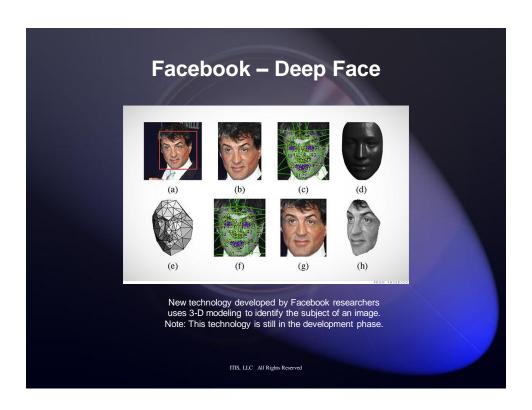




# April 2011 Facebook starts using its own facial recognition technology to identify your friends in photos called "Tag Suggest" Facebook Changes Privacy Settings to Enable Facial Recognition – June 7, 2012 NY Times Facebook Acquires Israeli Facial Recognition Company Face.com – June 18, 2012 Times

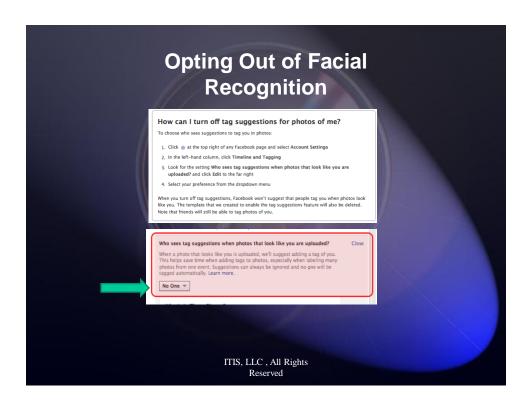
 Unlike other Photo recognition applications (Picasa) with Facebook the "Facial Recognition" data remains on "their" servers!

**Facial Recognition** 



### **Facial Recognition**

- Facebook's facial recognition software uses an algorithm to calculate a unique number ("template") based on someone's facial features, like the distance between the eyes, nose and ears. This template is stored on Facebook servers and is based on photos you've been tagged in on Facebook.
- According to PC World, each time you "tag" a photo on Facebook, its facial recognition technology learns more about what that person looks like.







# Geo-Location Geo-location apps do two things: They report your location to other users. They associate real-world locations (such as restaurants and events) to your location.

### **Geo-Location**

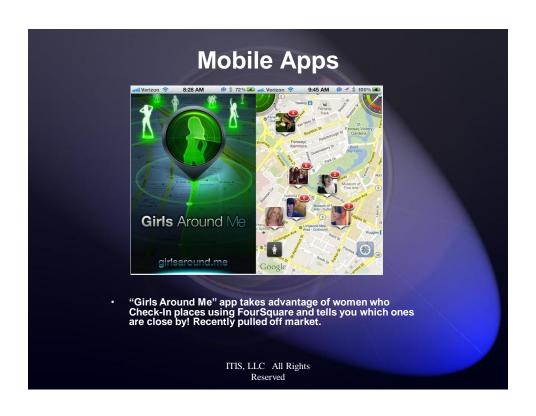
- Geo-Tagging involves adding location data to an image, text message, video or app.
- That location info can be GPS, WPS (Wi-Fi Positioning System), Cellular Triangulation, or XPS (a combination of all 3).
- Most new cameras and cell phones default to adding geo-tagging to your photos in the
- Many <u>smartphone applications</u> incorporate geo-tagging.

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### **Social Networking Apps**

- Ban.jo
  - Combines feeds of Twitter,
     Facebook, & Foursquare
  - Shares communications & location info across platforms
  - Can search regional areas for keywords i.e World Cup







### **Geo-Location**

- Facebook has over 17 billion location-tagged posts (including check-ins)
- Location information passes between services!
- MUST check privacy settings
- Location based services are a stalker's dream.

www.robmenow.com

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### **Geo-Location**

### Gang Uses Facebook to Rob Houses

John P. Mello Jr., PCWorld Sep 10, 2010 7:33 pm

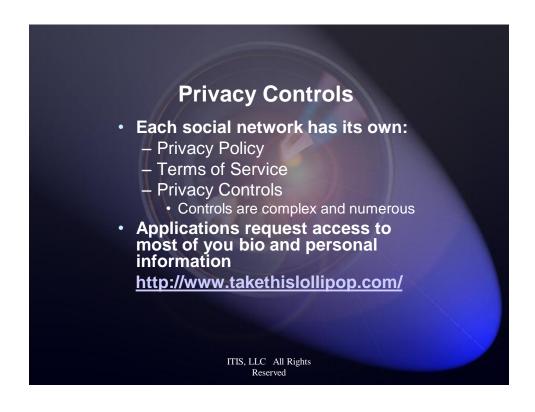
Leaving the house this weekend? Telling all your Facebook buds about it? You might want to reconsider that.

Police in Nashua, New Hampshire broke up a robbery ring this week that was using Facebook to plan their heists. The gang was monitoring Facebook pages to determine when a target would be out of their home and then robbed it. Some 50 home robberies were reported in the city with a

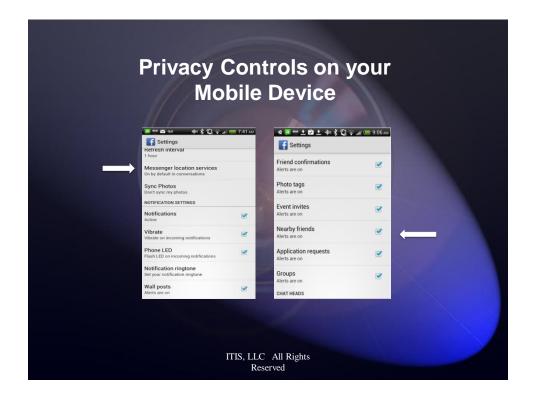


population of 85,000 during August alone, although only 18 have been linked to the Facebook gang so far. As a result of breaking up the gang, Police say they've recovered \$100,000 to \$200,000.



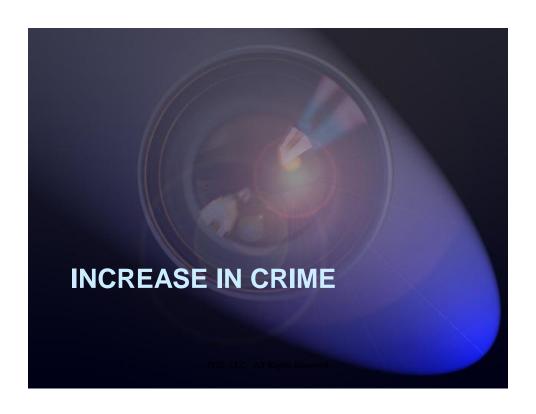


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<u>F</u> :	<u>acebook</u> Privacy	Control	S
Privacy Settings and	d Tools		
Who can see my stuff?	Who can see your future posts?	Friends	Edit
	Review all your posts and things you're tagged in		Use Activity Log
	Limit the audience for posts you've shared with friends of friends or Public?		Limit Past Posts
Who can contact me?	Who can send you friend requests?	Everyone	Edit
	Whose messages do I want filtered into my Inbox?	Basic Filtering	Edit
Who can look me up?	Who can look you up using the email address you provided?	Friends	Edit
	Who can look you up using the phone number you provided?	Friends	Edit
	Do you want other search engines to link to your timeline?	No	Edit
		100	



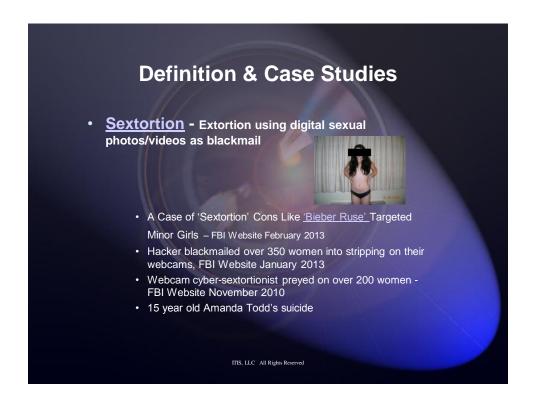












### Sextortion – Other Case Studies

 Miss Teen USA Sextortion Case: 19-Year-old Arrested for Allegedly Hacking Cassidy Wolf



by NATALIE FINN Thu., Sep. 26, 2013- E Online

Jared James Abrahams of Temecula, Calif., has been arrested and charged with extortion and cybercrimes for allegedly hacking into Wolf's computer and threatening to go public with nude photos purportedly taken on her compromised webcam if she didn't comply with his demands.

In March 2013, the 19-year-old beauty queen claimed that she being targeted by a hacker who claimed to have stolen nude photos of her from her web cam and computer.

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### Sextortion Case - FBI

June 2010

- Two assailants—Patrick Connolly and Ivory
  Dickerson—jointly terrorized adolescent girls by
  compromising their computers, demanding sexual
  photos or videos, and scouring their social
  networks. The pair also reached out to the girls'
  friends—who were duped into downloading
  malicious software because the e-mails and
  messages appeared to come from trusted sources.
- Connolly and Dickerson, both in prison now, victimized more than 3,800 kids through this "sextortion" technique.
- After listening to the emotional testimony of several of his victims and their mothers, U.S. District Judge Mary S. Scriven rebuked Patrick Connolly, calling him a "narcissistic demon" as she handed down her sentence.

## Cyber Bullying/Viral Shaming Definition

- Cyber bullying is sending or posting harmful or cruel text or images using the Internet or other digital communication devices, including cell phones.
- The American Academy of Child and Adolescent Psychiatry finds children who are bullied experience suffering that can interfere with their social and emotional development, and harm school performance.

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### Cyber Bullying/Viral Shaming

- Viral shaming through Facebook and other social media has led to suicide among multiple teenaged girls:
- 15-year-old Audrie Pott
- 17-year-old Rehtaeh Parsons
- 15-year-old Amanda Todd.







### **Amanda Todd's Story**



Amanda was bullied viciously on Facebook where her schoolmates were invited to join a page which included her breasts as the Avatar, causing Amanda to suffer from anxiety and depression.

- It started after an unknown man convinced her to expose herself online in front of a webcam. He told her she was beautiful and just wanted her to flash him. He blackmailed her (sextortion) and spread the photos around, destroying her reputation.
- The bulling was incessant and although she changed schools 3 times it followed her via Social Networks.
- On 10 October 2012, Amanda Todd committed suicide. It was just one week before her 16th birthday. 9 teens arrested after she hung herself. View Amanda's Story

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### Rebecca Ann Sedwick - 12 **Years Old**

### Cyberbullying investigated in death of Florida girl

Sep. 14, 2013 at 12:14 PM ET

ORLANDO, Florida (Reuters) - Authorities in Florida said on Friday they were investigating former schoolmates of a 12-year-old girl who killed herself in central Florida after she was bullied online for

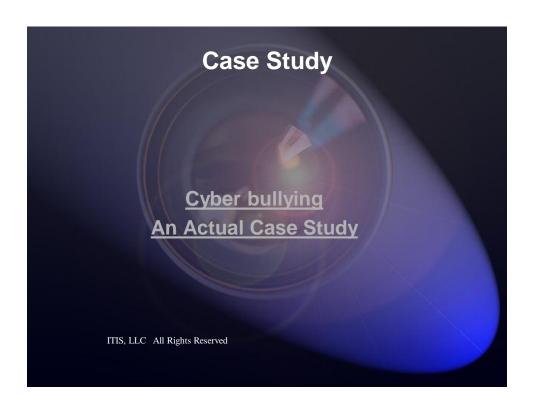
It was not yet clear whether any criminal charges would be filed stemming from the suicide on Monday of Rebecca Ann Sedwick, who leaped to her death from the tower of an abandoned cement business site near her home in Lakeland.

While Polk County Sheriff Grady Judd told a news conference on Thursday that more than a dozen young girls were under investigation for bullying Sedwick, a sheriff's office spokeswoman said the number of possible suspects had been narrowed down considerably.

"There may have been only two or three of them who participated in the bullying," said sheriff spokeswoman Donna Wood.











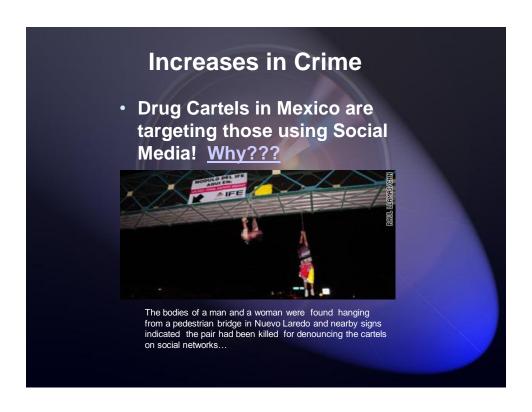
# Implications for Law Enforcement Increase in Crimes 29,000 Sex Offenders Found on MySpace by Gary D. Robertson, Associated Press MySpace has located and deleted a stunning 29,000 registered sex offenders from its site — more than four times the number it initially reported... Chat Roulette

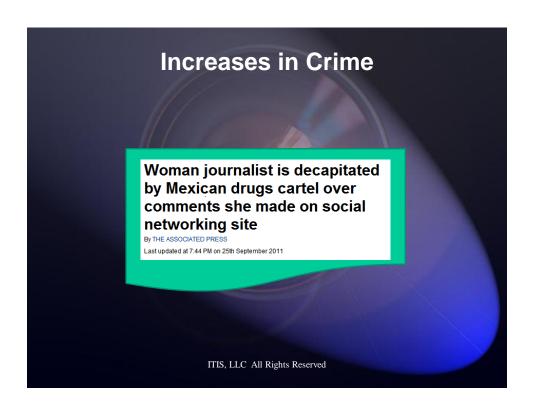
## Implications for Law Enforcement Increase In Crime

- <u>FlashMobs</u> The Fusion Center, in Cleveland, monitors Social Networks for Flash Mobs to have officers in place ahead of time.
- Burglaries
  - Posting you location or that you are enjoying your vacation invites criminal activity
- Phishing schemes, Virus & Trojans
- Other Crimes????



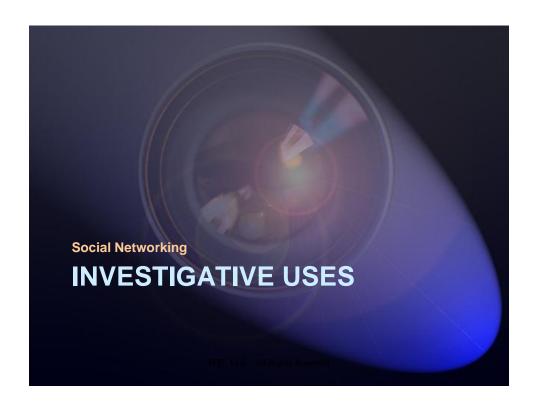






### **Social Networks Headlines**

- POLICE: Louisville sex offender found 14year-old on Facebook
- Sex offender accused of maintaining social networking sites
- West Chester teen accused of seeking hit man on Facebook
- Facebook hit list leads to three teens shot dead in Colombia, police officials say



### **Investigate Use**

NYPD forms new social media unit to mine Facebook and Twitter for mayhem

- One week later gang members busted after using Twitter, other social networking sites to arrange 'Crips Holiday'
- Dozens of suspected gang members were arrested in a Brooklyn park by an army of cops after several of the thugs went viral to spread word of a meeting, the Daily News has learned.
- A group of reputed Crips members used Twitter and other social networking sites to arrange what they called a "Crips Holiday" at Amersfort Park in East Flatbush on Wednesday, said a police source.

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### **Investigative Uses**

26 January 2012 - BBC News - Technology

FBI plans social network map alert

The FBI is seeking to develop an early-warning system based on material "scraped" from social networks.

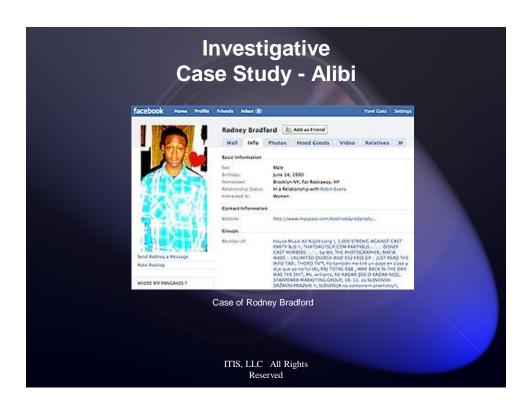
It says the application should provide information about possible domestic and global threats superimposed onto maps "using mash-up technology".

The FBI's Strategic Information and Operations Center (SOIC) stated: "Social media has become a primary source of intelligence because it has become the premier first response to key events and the primal alert to possible developing situations."

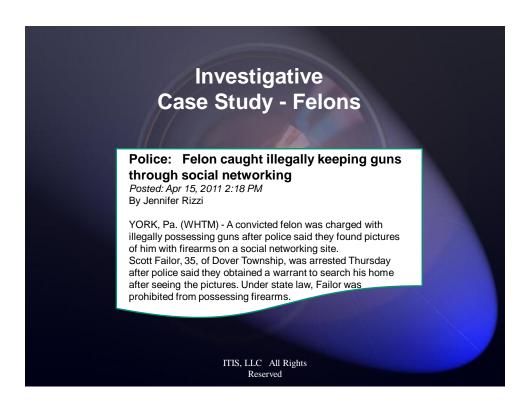
### **Investigative Uses**

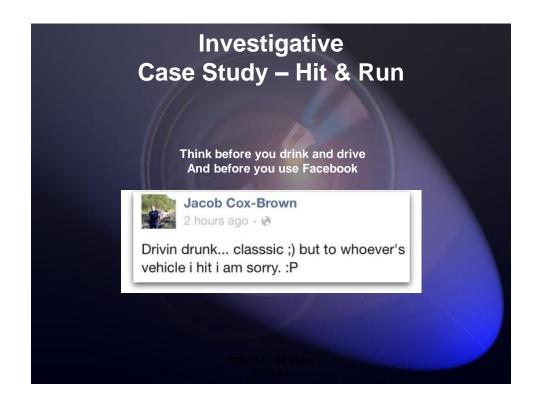
- · Investigative Good & Bad
  - Misinformation, panic, crowd control issues
  - Good source for leads, Evidence or UC work
- Evidence from Social Networking sites can:
  - Reveal Personal Communications
  - Establish motives & personal relationships
  - Provide location information
  - Prove or disprove alibis
  - Justify increase bail or a longer sentence

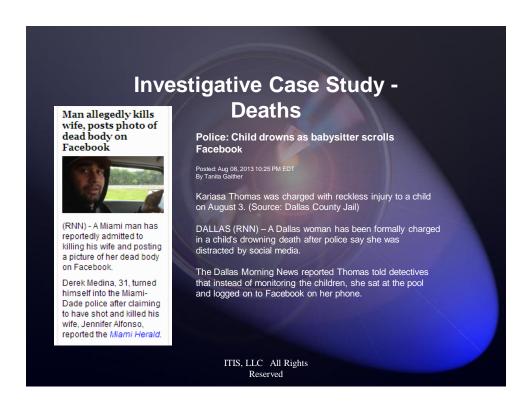














### **Transcript of Previous Video**

I stole from a car a full bowl of weed in an ICP pipe and like, an ounce of weed and a couple pre-rolled joints. The other one has already been smoked.

Then I stole a car! (shows the keys) It is shiny. SHINY!!

The shiny new car is a Pontiac Grand Am. Of course I already took the license plates off and threw them out.

Then I robbed a bank!! With a gun, a pillow case and a note. \$6,256. I told my mom today was the best day of my life She thinks I just met a new boy. (fans herself with the cash)

Why? Because, you see, I am a victim of the government.

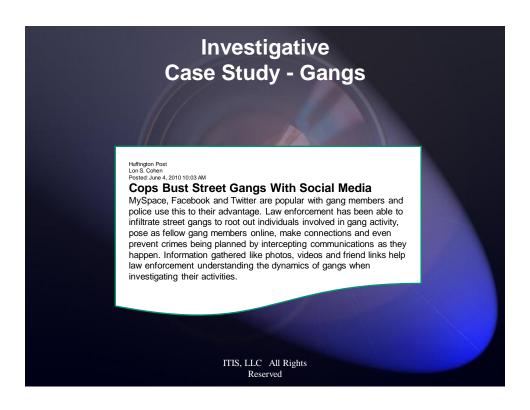
How? For one, the whole system is just a game.

But more specifically because the government stole my baby and they took him away before I could even take him home. And they charged me with neglect. I may not be a mother anymore. But I can still find purpose Police have recovered all but \$30 of the stolen money

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## Investigative Case Study - Bail

 In a Niagara County Court (Buffalo, NY), a judge increased the bail of a defendant charged with felony assault and misdemeanor weapons possession based on pictures found on a MySpace page.

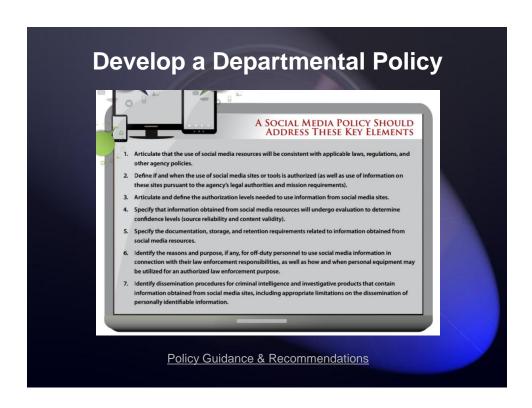


# Investigative Missing Children In May 2011, Facebook announced an expanded program to scan images posted on the social network for child pornography and missing children. The social network will rely on a technology from Microsoft and the National Center for Missing and Exploited Children (NCMEC) called PhotoDNA, which acts like a fingerprint scanner to match photos against those in the Center's database. IIIS, LLC All Rights Reserved

### Other Investigative Uses

- Look for background information prior to interviewing:
  - Suspects
  - Witnesses
  - Victims
  - Potential new hires
- Social Networking intelligence can help develop questions and determine truthfulness

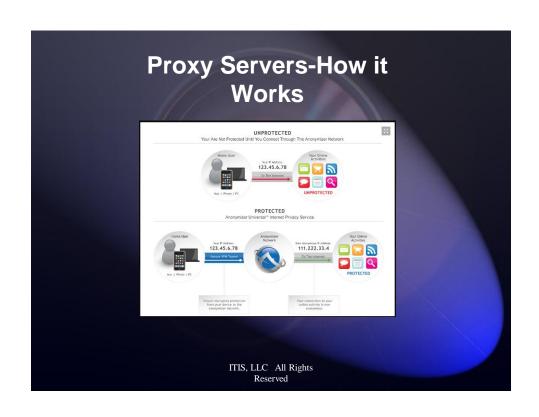






### Anonymous Surfing Proxy Server

- In the United States, the use of privacy tools is not restricted.
  - A proxy is a computer network that allows its customers to make indirect network connections to the Internet.
  - Proxy Servers act as an intermediary and intercept all messages entering and leaving the network. It effectively hides the true network addresses.
  - Proxy Servers come in a few varieties



# Website-Based Proxy Servers

- A website-based proxy server provides a place for you to enter the URL of a website that you wish to visit anonymously.
- When you submit the form, the website proxy server makes a request for the page that you want to visit.
- The proxy usually does not identify itself as a proxy server and does not pass along your IP address in the request for the page.
- Many Proxy services keep NO records
  - Hide My Ass
  - Anonymouse
  - Dozens of others

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# Browser-Configured Proxy Servers

 You configure the settings of a Browser to use the address of the proxy server



# Proxy Server Using a VPN

- VPN Virtual Private Network
  - A VPN is an application that protects your data and identity over public networks such as the Internet and wireless hotspots.
  - A VPN uses a system of special protocols to create an encrypted tunnel that transports data securely.
  - VPN services offer up different "gateway" cities, allowing you to choose where the IP address assigned.
  - Video tutorial

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### **Examples of VPNs**

- VyprVPN
- PureVPN
- Hide My Ass
- Proxify
- Spotflux
- Many others

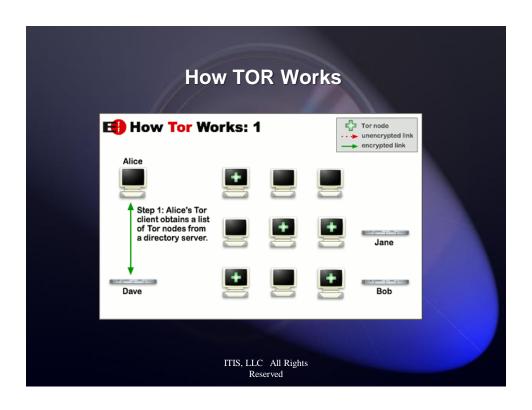


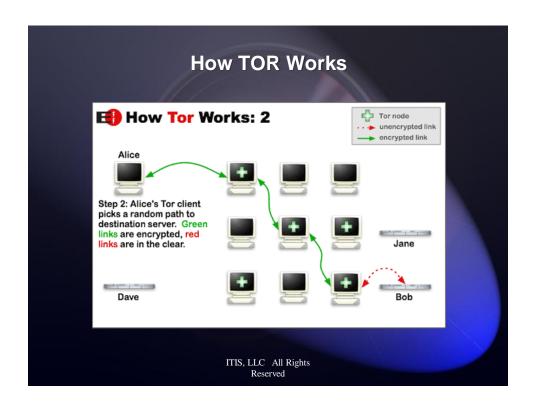
Tor, or "onion routing" is a free, open-source program from the Electronic Frontier Foundation (EFF), which bestows online anonymity via a circuit of multilayered, encrypted connections routed through a worldwide volunteer network of servers in order to conceal a user's location or usage from anyone conducting network surveillance or traffic analysis. <a href="https://www.torproject.org/">https://www.torproject.org/</a>

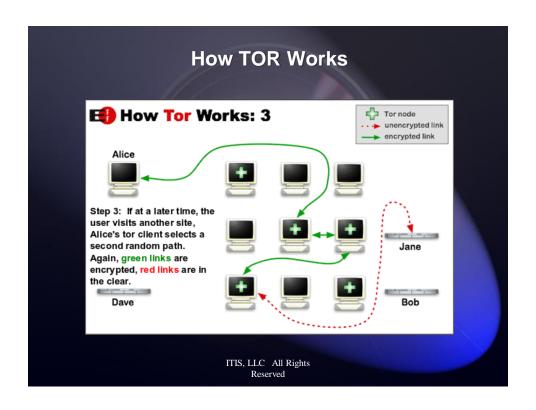
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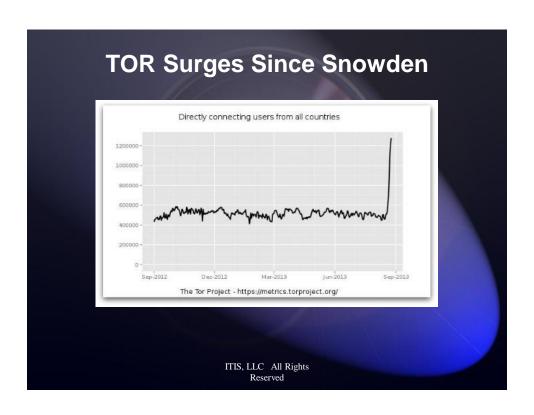
### **Tor in Narcotics Sales**

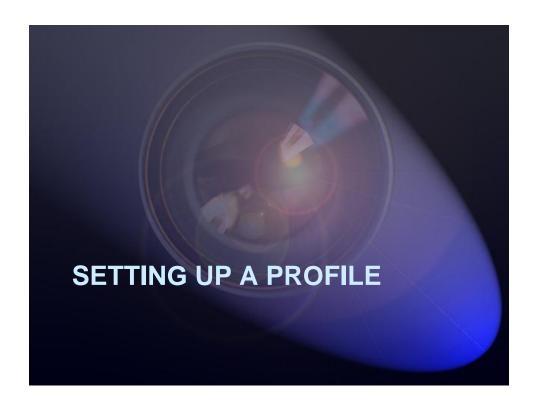
- Drug ring using TOR for anonymity exposed - April 2012
  - Eight men on three continents arrested in \$1M drug ring; proxy servers hid identities
  - DEA didn't break the case by penetrating TOR.
  - The ring was busted through the efforts of an undercover agent who "infiltrated" the operation in Los Angeles, according to U.S. Attorney's Office spokesperson Gymeka Williams.









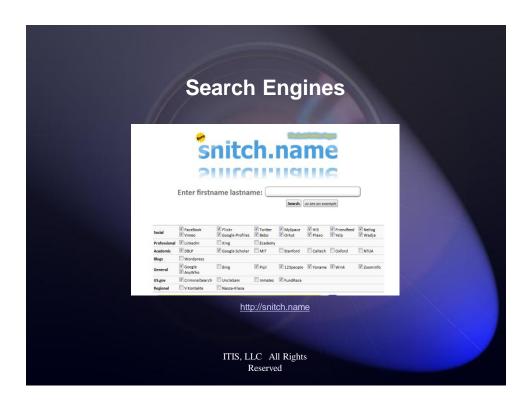


#### **Creating a User Profile**

- Log into the proxy server
- Use private browsing mode to leave no history on your computer
- Create a profile/bio that you can remember or start with a site like:
  - www.fakenamegenerator.com
    - Use the above as a starting point and modify accordingly.
       Print out don't save on the site.
- Use in conjunction with Virtual Phone Numbers
- Solicit "friends" with common interests
- Use Common Sense!

# Investigative • Search Engines for Social Media - Twitter Regional Searches weed, near: "State College, PA" within:15mi

# Search Engines • There are also numerous tools on the Internet for searching Social Networks - http://www.bing.com/social/ • Searches updates and wall postings - Spokeo.com - Pipl.com (deep web search)



# According to a study by the eDiscovery Law & Tech Blog: from January 1, 2010 through November 1, 2011, 674 state and federal court cases with written decisions available online have involved social media evidence in some capacity. The search was limited to the top four social networking sites and the tally came out as follows: Myspace (326

Social Networking as Evidence

cases), Facebook (262), Twitter (49)

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LinkedIn (37).

#### **Authentication of Social Networking Information**

Antoine Levar Griffin v. State of Maryland, No. 74, September Term 2010.

#### Md. murder conviction overturned over Myspace issue

Myspace has played a role in the reversal of a Maryland murder conviction. Antoine Griffin was convicted of fatally shooting Darvell Guest in 2005 at a bar in Perryville, Md., in part because his girlfriend's Myspace page was introduced as evidence.

The page contained a picture of Griffin and the girlfriend hugging, and the words "snitches get stitches -- you know who you are." Griffin was convicted in Cecil County Circuit Court.

But now the Court of Appeals of Maryland — the state's highest court — has thrown out the conviction, saying prosecutors hadn't shown the girlfriend had actually posted the picture or typed the words. The panel said someone else could have created the page, needing only an email address.

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#### **Methods of Authentication**

- · Corroboration by author, witness, or informant.
  - Verify that the site and posting were created by suspect.
- · Forensics on computer
  - Examine Internet history.
  - Look for traces of the Social Network & information obtained that are linked to suspect.
- Through the Social Network
  - Verify an account existed with that profile
  - A link between the Profile & the information.
  - Testimony from the Social Network

#### Obtaining Non-Public Information

- What if the information is private?
  - Consent
    - Go to Account Settings & click:
       "Download a copy of your Facebook Data"
    - "Download a copy of your Facebook Data"Follow departmental policy for preserving digital records
  - Informants
  - Undercover Officer
  - Subpoena, Court Order, or Warrant
    - https://www.facebook.com/safety/groups/law/guidelines/
- Will you need a Preservation Request?
  - https://www.facebook.com/security/preservation

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#### Companies that Notify Target When Records are Requested

 Electronic Frontier Foundation (EFF) has published its annual list of companies that have a policy promising to inform users about law enforcement requests.

https://www.eff.org/pages/who-has-yourback

#### What do you ask for?

 What <u>information</u> is available from the Social Networking site?

(note: these terms will vary per site)

- Basic identity/subscriber/profile information
- IP login information
- Files
  - Friend lists
  - Photos & videos
- User sent and received message content

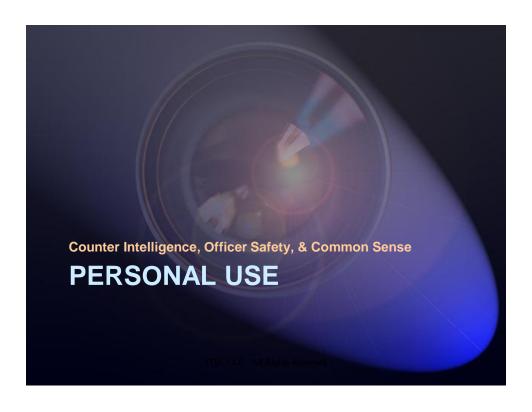
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#### Subpoena/Court Order/Warrant

- How do you obtain information from a social networking site??
  - Contact the Social Networking site (information usually in Terms of Service or Privacy Policy)
  - Use published Law Enforcement Guide (if available)









## Personal Use & Counter Intelligence

#### Hackers Leak Arizona Border Police Data

- For the second time in a week, hackers have leaked confidential and extremely personal data pertaining to the Arizona Department of Public Safety to protest Arizona's controversial immigration laws.
- At approximately 9:45 a.m. EDT today (June 29) the hacking group <u>Anonymous</u> posted private information on 13 Arizona Department of Public Safety officers, including official police documents and those officers' Social Security numbers, email passwords, social networking and dating site profiles.

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# Personal Use & Counter Intelligence

You can have Facebook locked down as tight as you possibly can, but if friend's aren't doing it, you're compromised.









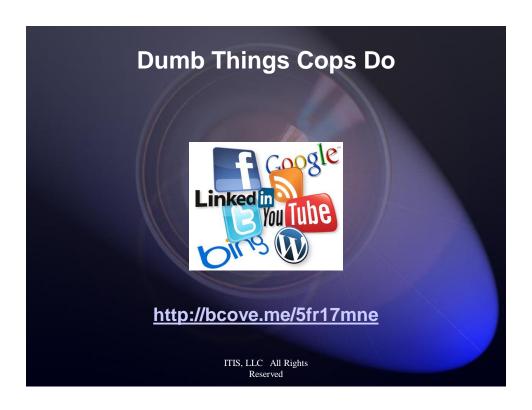


### Personal Use Officer Issues

- 28 Neb. cops suspended for watching videos on duty
- Man takes picture of Ga. cop surfing Facebook on duty
- · Dallas officer fired for sending nude photos to student
- · Facebook picture on Mass. cop's page draws fire
- Facebook comments cost Ga. cop his job
- Effigy video on Facebook burns Wisc. deputies
- Montana officer resigns over Facebook comments
- Columbia officer disciplined after posting comments about persons juvenile record
- · Two Wash. officers fired over Facebook indiscretions







# Facts every officer should know before signing on to Facebook

- Fact: Facebook & other social networking sites are free in exchange for giving it the opportunity to make money off of demographic and preference data.
- Fact: Most privacy features are "Opt In" and can change with upgrades and new features!
- Fact: Privacy settings are complex and often ignored. Some profile info is always public.
- Fact: Someone can post a picture of you on Facebook and tag it with your name. You can remove the tag but the photo remains.

### Facts every officer should know before signing on to Facebook

- Fact: If someone comments on your status or private photos other members in their network of friends can now see it!
- Fact: Groups you join are visible to anyone.
- Fact: Applications you utilize often require access to your private data.
- Fact: Video or audio can be posted within seconds.

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# Facts every officer should know before signing on to Facebook

 Fact: Defense counsels will search social networks for background about an officer or a witness before a hearing to embarrass or discredit them.

Know what is out there!

#### **Deactivating vs. Closing**

- If you deactivate your account:
  - Your profile (timeline) disappears from the Facebook service immediately.
  - People on Facebook will not be able to search for you. Some information, like messages you sent, may still be visible to others.
  - Facebook saves your profile (timeline)
    information (friends, photos, interests, etc.), just
    in case you want to come back to Facebook at
    some point. If you choose to reactivate your
    account, the information on your profile
    (timeline) will be there when you come back.

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#### **Deactivating vs. Closing**

- If you permanently delete your account:
  - You will not be able to regain access to your account again.
  - Most personally identifiable information associated with it is removed from the database. This includes information like your email address, mailing address, and IM screen name. Some personally identifiable information may remain, such as your name if you sent a message to someone else.
  - Copies of some material (photos, notes, etc.) may remain on servers for technical reasons, but this material is disassociated from any personal identifiers and completely inaccessible to other people using Facebook.

