Types of Social Networking Sites

- There are social networking websites based on the specific interests of many groups of people
  - **General** (Facebook, Google+)
  - **Photo** (Instagram, Snapchat)
  - **Microblogging** (twitter, jaiku)
  - **Video** (YouTube, vine)
  - **Texting** (Kik)
  - **Visual Bulletinboard** (tumblr, pinterest)
  - **Meetup** (boyahoy, grindr, utoopi)
  - **Dating** (myLOL, tinder)
  - **Anonymous webcam** (chatroulette, omegle)
Types of Social Networking Sites (cont.)

- There are social networking websites based on the specific interests of many groups of people
  - **Web Aggregators** (reddit, stumbleupon)
  - **Music** (Myspace, Spotify)
  - **Cell Phones** (mocospace)
  - **Blogging** (livejournal, xanga)
  - **Students** (meetme, classmates.com)
  - **Gangs** (thehoodup.com)
  - **Anonymous Forums/Photos** (yikyak, whisper)
Social Media Usage

- More than half of all online adults 65 and older (56%) use Facebook
  - This represents 31% of all seniors.
- Roughly half of internet using young adults ages 18-29 (53%) use Instagram
  - Half of all Instagram users (49%) use the site daily

<table>
<thead>
<tr>
<th>Percent of People Who Use Social Networks</th>
<th>Percent Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you ever use / have a profile on ... (Poll Taken in early 2012)</td>
<td></td>
</tr>
<tr>
<td>Any social network</td>
<td>56%</td>
</tr>
<tr>
<td>Facebook</td>
<td>54%</td>
</tr>
<tr>
<td>LinkedIn</td>
<td>13%</td>
</tr>
<tr>
<td>Twitter</td>
<td>10%</td>
</tr>
<tr>
<td>Google+</td>
<td>8%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Network Statistics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of Facebook users worldwide</td>
<td>1.2 Billion</td>
</tr>
<tr>
<td>Total percentage of 18-24 year olds who already use social media</td>
<td>98%</td>
</tr>
<tr>
<td>Total percentage of people on Earth who use Facebook</td>
<td>11%</td>
</tr>
<tr>
<td>Total amount of minutes people spend on Facebook every month</td>
<td>700 billion</td>
</tr>
<tr>
<td>Average amount of time a person uses Facebook per month</td>
<td>15 hours 33 minutes</td>
</tr>
<tr>
<td>Total amount of people who access Facebook with phone</td>
<td>250 million</td>
</tr>
<tr>
<td>Total amount of websites that have integrated with Facebook</td>
<td>2.5 million</td>
</tr>
</tbody>
</table>
What Teens Post

- Teens are sharing more information about themselves on their social media profiles:
  - 91% post a photo of themselves
  - 71% post their school name
  - 71% post the city or town where they live
  - 53% post their email address
  - 20% post their cell phone number
  - 92% post their real name to the profile they use most often. 82% post their birth date.
- 60% of teen Facebook users set their Facebook profiles to private (friends only)
It started with a whisper...

- Not really but,
juicemayo3 Great workout! #nodayoff

joesirlong lets go oj

a_loves69 Oj plz go blows this year

joshoward5 Oj!

liketk Drop 40 on Harden weak Defense again! It ws too easy

getchashnow456 TEXT ME +1-978-719-8009
GET PAID IN LESS THAN 20 MINUTES
80-$500 CAN GET YOU 800-$5000
#Nobs HMU !!! YO OR KIK OR DM

zoecl4 What up my g where I need to fly to ya dig from htown to any town imma hold it down$$$ rip ogd

triplemoneyplug TML 281-607-7277 or dm me if you trying to flip $100=1000 $200=$2000 $300=$3000 $400=$4000 $500=$5000
☆ Miss that Girl Mary Jane??? - m4mw

Looking for some good flowers in town? Then I have that dro dro on the Low low!! Many Different types for every occasion! Best prices in town. Over by the Airport side of town for easy access. Just contact me for more information.

Puff Puff Pass!

post id: 5287231931 poste

☆ xanax, pot, sleepover? (440)

anyone interested? looking for a pretty, easy going, good looking white female. i have some goodies for us, just need someone to share them with. lets relax, lay in bed, cuddle, and see what happens? dont wanna waste time messaging, so send me a pic and your number. ill text you back with mine.

post id: 529032876 posted: a day ago
We offer medicines like, pain pills, pain relief pills, diet pills, weight loss pills, sleeping pills, anti-anxiety, anti-depression. 
Text or call 9896655430 email ausexco atgmail.com

john doe 9 months ago
ill sell u 200 yellow xanac bars for 6000

Reply ·
theeastoaklandboi wrote:

TRUEblue718 wrote:

I AGREE, THAT BLACK TAR SHIT THE MEXICANS ARE FLOODING THE MARKET WITH IS TRASH..IF U GOT THE TIME AND RESOURCES BETTER GET U A AGAIN CONNECT..GO MIX AND MINGLE DOWN IN CHINA TOWN, MONEY TALKS BULLSHIT GET U KILLED...

It's a lot of niggas gettin rich off that black boy though....at least in my region

of course niggas still goin get rich off of that shit. It's still dope and fiends still goin cluck but it's still way better shi if you get a connect. Thats why the East Coast still hold that heron down cuz they dont get they shit from Mexico and niggas with the resources will try to find a East Coast or South Eastern Coast plug for it. If you put some China White out there against some tar 99.9% of the time if clucks got a choice they a more then likely pick the white. But in alot of areas clucks and dealers really dont got no choice if tar is whats 85% out there and especially if you really aint trynna spend bread like that on some top notch.
Investigative Use

- Finding information on people
  - Information posted by suspects, victims, witnesses, family members, etc.
  - Connections between people
- Finding evidentiary information
  - Corroborative information
- Think about non-traditional social networking communication
Hashtags are a way to group information
Designated using a #
Used frequently in IRC to categorize information in groups since the late 1990’s
Integrated into modern social media in 2009 when Twitter officially began hyperlinking hashtags
  - Applies context without adding many characters
Now common on most social media and even everyday conversations
Syntax of a Hashtag

- Hashtags are single word only
  - #smokeweeedeveryday
- Hashtags don’t use punctuation or special characters
  - #whatsupdenver
  - #420party
- Multiple hashtags can be used in each message
- Capitalization is irrelevant in hashtags
IP tracking is very prevalent on many websites, including blogs, forums and social networking websites.

Officers need to be sure that their own IP address is not traceable back to their agency.
IP Tracking

- Step 1: Determine the external IP address on your computer
- The American Registry for Internet Numbers (ARIN)
  - www.arin.net
IP Tracking

- Step 2: Resolve that IP address
  - Click the IP address
  - Look for ‘Organization’

<table>
<thead>
<tr>
<th>Network</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NetRange</td>
<td>65.111.64.0 - 65.111.95.255</td>
</tr>
<tr>
<td>CIDR</td>
<td>65.111.64.0/19</td>
</tr>
<tr>
<td>Name</td>
<td>AIRBAND-BALTIMORE-02</td>
</tr>
<tr>
<td>Handle</td>
<td>NET-05-111-04-0-1</td>
</tr>
<tr>
<td>Parent</td>
<td>NET65 (NET-05-0-0-0-0)</td>
</tr>
<tr>
<td>Net Type</td>
<td>Direct Allocation</td>
</tr>
<tr>
<td>Origin AS</td>
<td></td>
</tr>
<tr>
<td>Organization</td>
<td>Airband Communications, Inc (AIRB)</td>
</tr>
<tr>
<td>Registration Date</td>
<td>2003-04-07</td>
</tr>
<tr>
<td>Last Updated</td>
<td>2012-03-02</td>
</tr>
<tr>
<td>Comments</td>
<td></td>
</tr>
<tr>
<td>RESTful Link</td>
<td><a href="http://whois.arin.net/rest/net/NET-65-111-64-0-1">http://whois.arin.net/rest/net/NET-65-111-64-0-1</a></td>
</tr>
<tr>
<td>See Also</td>
<td>Related POC records</td>
</tr>
<tr>
<td>See Also</td>
<td>Related organization’s POC records</td>
</tr>
<tr>
<td>See Also</td>
<td>Related delegations</td>
</tr>
</tbody>
</table>
IP Tracking

- Not a safe investigative IP

[Image of a WHOIS search result for a network with the organization 'Sacramento Regional Office of Homeland Security (SROHS)']
Website Tracking

- Many websites also track the websites that people last visited.
- If you go directly from your agency website to a suspect website, they can track the agency website you arrived from.
- ALWAYS start from a neutral website (like Google) before conducting any Internet investigations.
Profile Linking

- If you use the same computer to log into multiple profiles, social media will assume all users know each other.
- Because of this it will suggest friends from one account as suggested people you know to the friends on another account.
  - Think of your personal friends being suggested to the friends you have on your UC profile.
- Always use a searching account as much as possible for this purpose.
A Brave New World...

- Many of these social networking websites are startups and may have limited experience working with law enforcement.
- What data is retained?
  - Always ask for photos in their original file format, including Exif information.
- May have their own process for accepting legal requests:
  - Preservation orders
    - 18 USC 2703(f)
  - Subpoenas/Search Warrants
  - Separate forms
Game Changer!?

- California ECPA
  - SB178
  - Penal Code Section 1546
- Requires search warrant
- Defines Electronic Device as a device that stores, generates, or transmits information in electronic form
  - Does this mean ESP server?

- Government entity must notify subscriber within 3 days with copy of warrant
  - May be extended to 90 days with court order
  - Must be renewed at the end of 90 days
• SEARCH Whitepapers
  • A Guide to Using URL Manipulations to Find More Information of Facebook
  • A Guide to Using Facebook Graph Search
• SEARCH Video Presentations
  • Using Hashtags in Investigations
  • Searching Instagram Using Iconosquare
  • Authenticating Social Media
  • Authenticating Text Messages
Resources

- SEARCH Courses
  - Online Investigations: Tools, Tips and Techniques
- SEARCH Technical Assistance Program
- SEARCH ISP List
- SEARCH eLearning Courses
  - Social Networking Sites: Investigative Tools and Techniques
Digital Evidence Wiki

Eleventh Circuit Court of Appeals

This is the page for the Eleventh Circuit Court of Appeals. To view the digital evidence case law click on the cases listed below.

Cases

1. U.S. v. Sprinkles, 459 F.3d 1076 (11th Cir. 2006)
2. United States v. Morris, 386 F.3d 1042 (11th Cir. 2004)

Theofel v. Farey Jones, 359 F.3d 1066 (9th Cir. 2004)

E-mail messages which were delivered to recipient and stored by internet service provider (ISP) were in "electronic storage," and thus e-mail messages were protected from unauthorized disclosure by the Stored Communications Act, as messages were stored for purpose of backup protection.

Prior access to e-mail messages stored by internet service provider (ISP) was irrelevant to whether the messages were in "electronic storage" within meaning of the Stored Communications Act; such e-mail messages were in electronic storage regardless of whether they had been previously delivered. Wireless communications provider that contracted with city to provide text messaging services for city's employees was "electronic communication service" (ECS) under Stored Communications Act (SCA), rather than a remote computing service (RCS), and thus violated SCA when it knowingly released archived transcripts of police officers' text messages to city at city's request, since city was subscriber but not addressee or intended recipient; provider gave city "ability to send or receive wire or electronic communications," rather than "provid[ing] to the public ... computer storage or processing services."

This page was last modified on 28 October 2015, at 15:00.