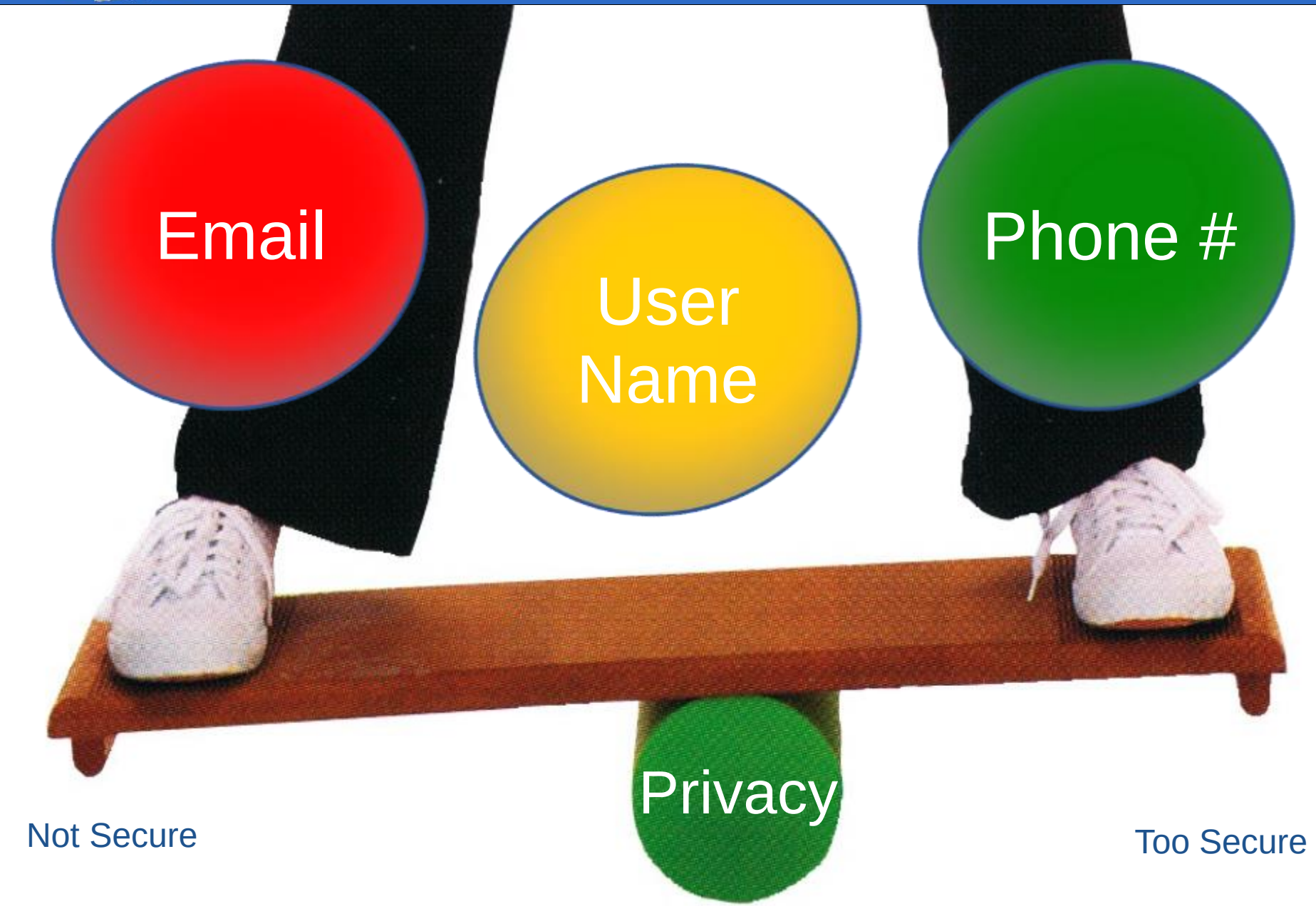
How Much of Your Personal Information Is Online?

State of Illinois
Central Management Services
Security and Compliance Solutions

Purpose and Scope

- To analyze how much of your personal information is online.
- To make you question how much data you put on the Internet.

Juggling Information



Who wants your details

- Spammers – targeted phishing
- Corporations
- Cyber criminals – Identity theft
- Investigators
- Hacktivists – DOX

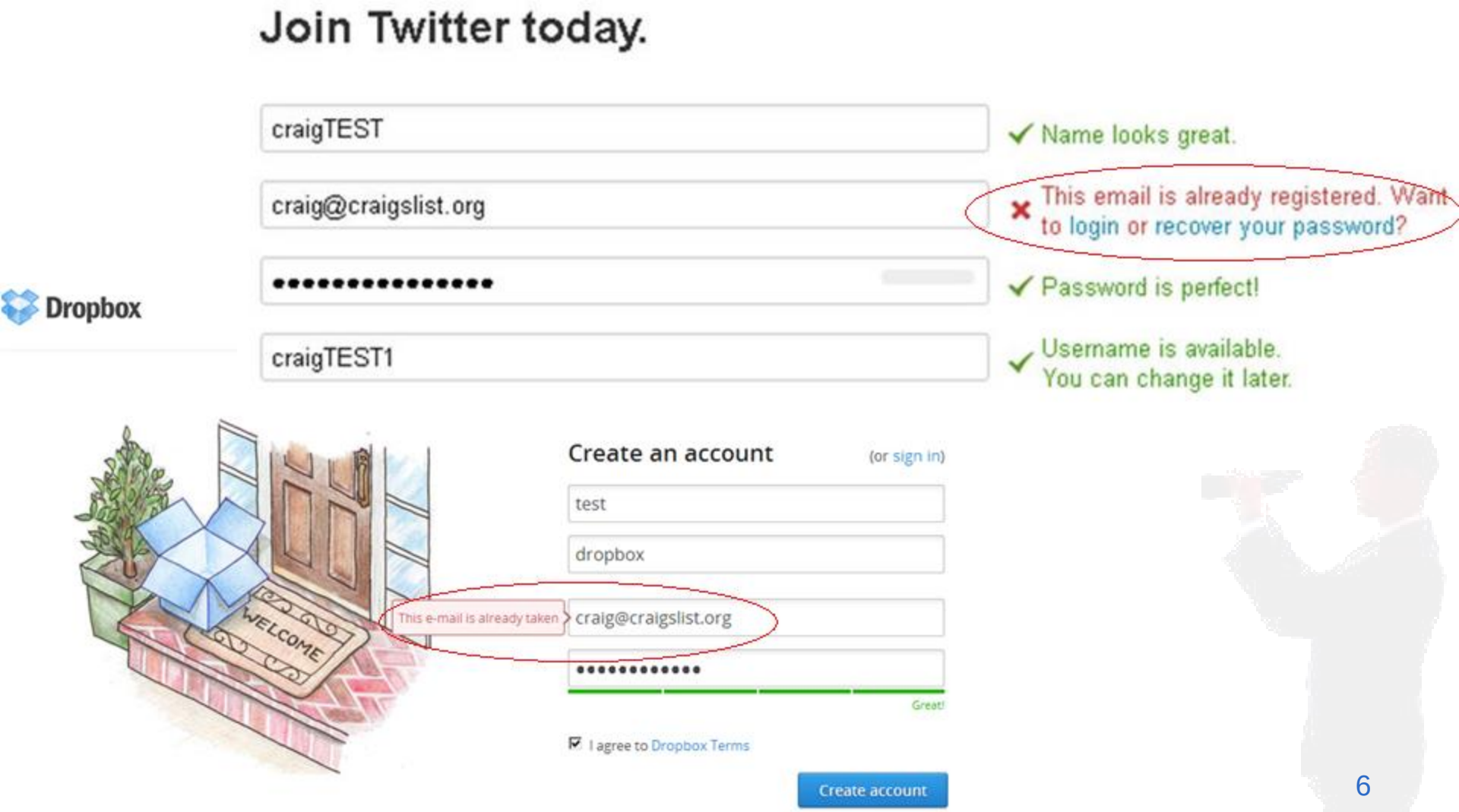
- Facebook CIA video: bit.ly/xPjEax

What details do they want?

- Email
- Username
- Phone #’s
- IP address
- Friends
- GPS location
- Photo’s (public and private)
- Name
- Hometown

Connect an email to a site

- Does an email exist?



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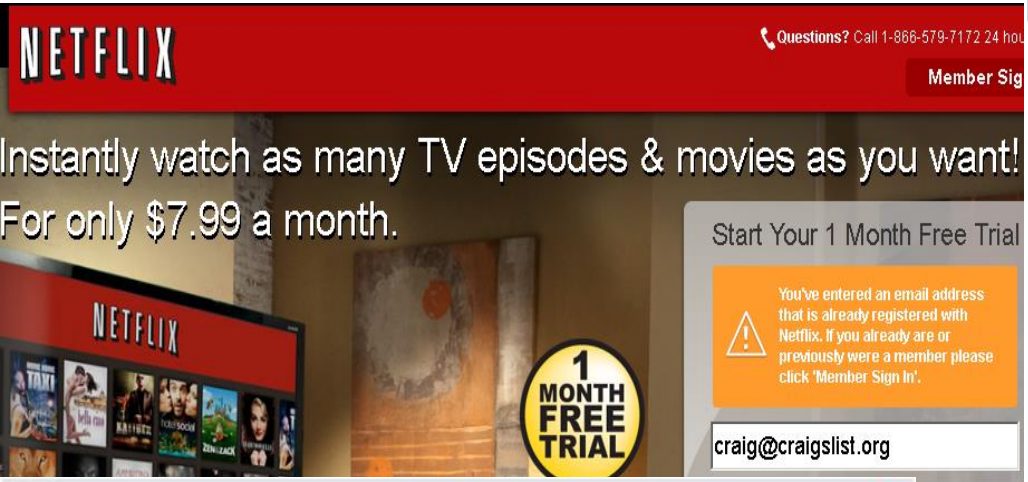
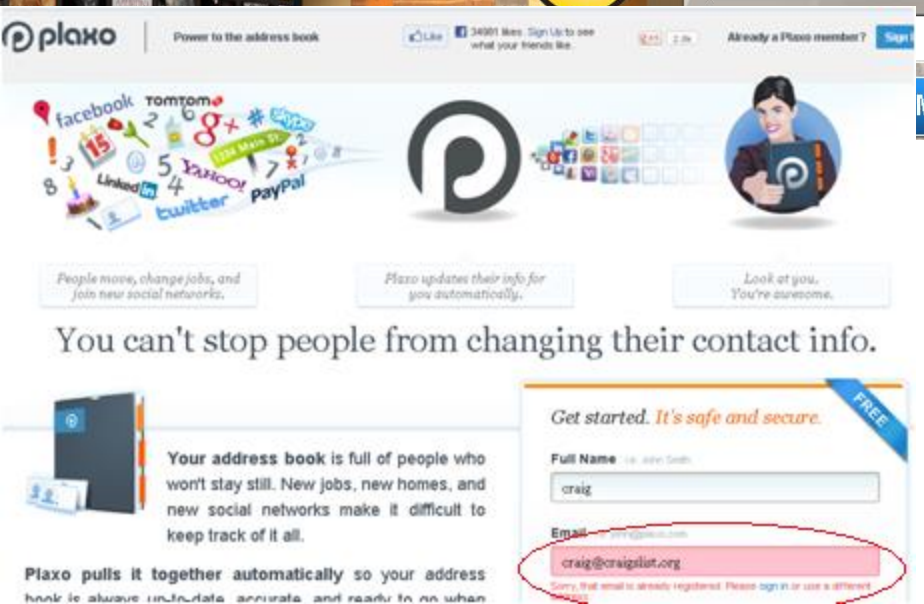
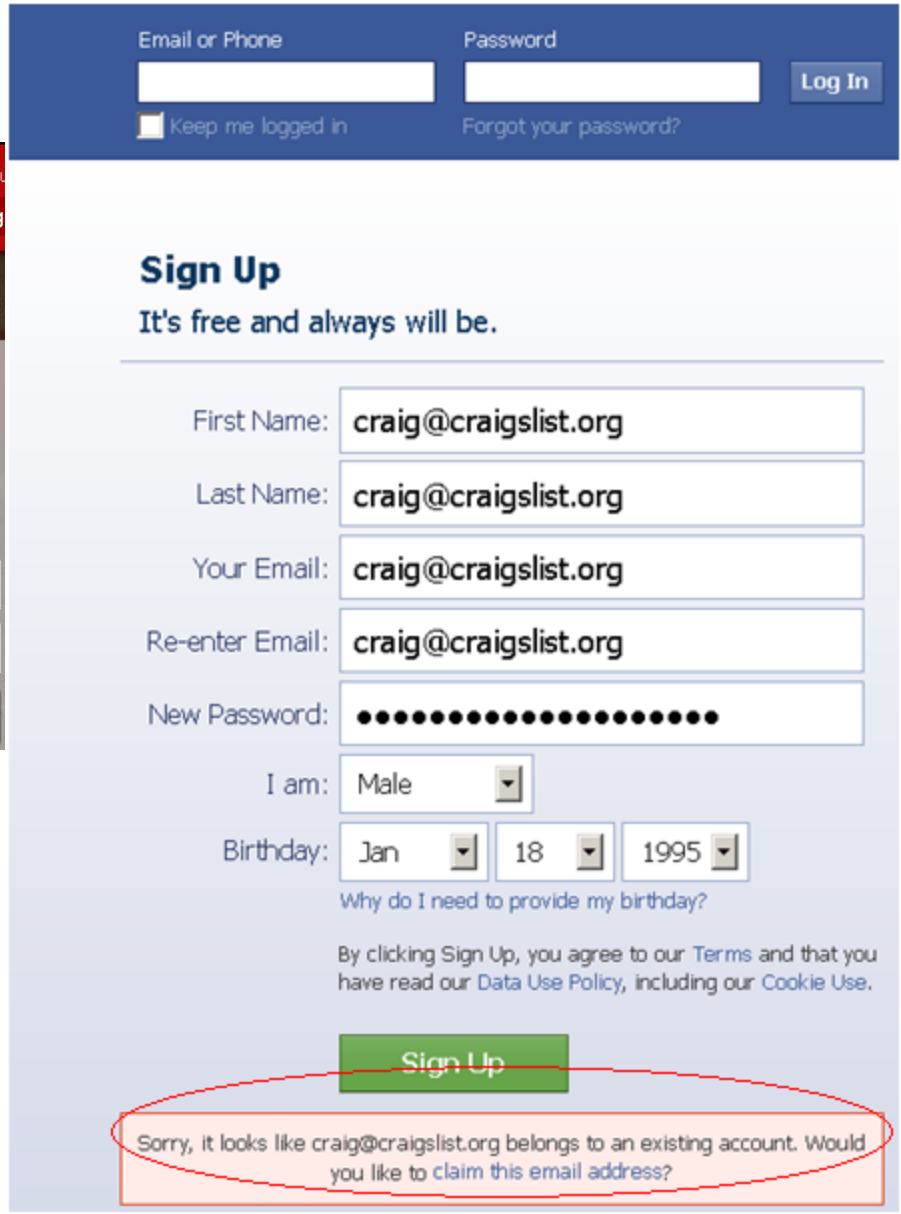
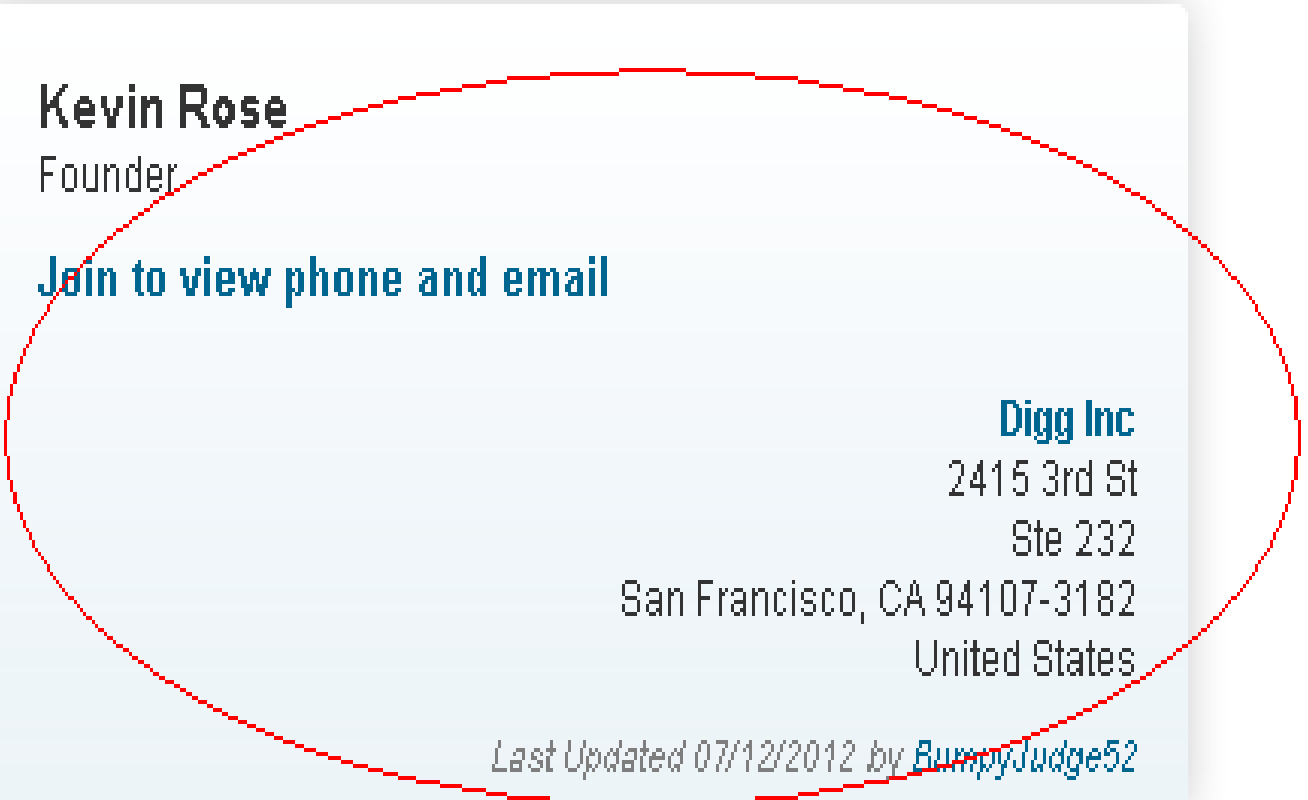


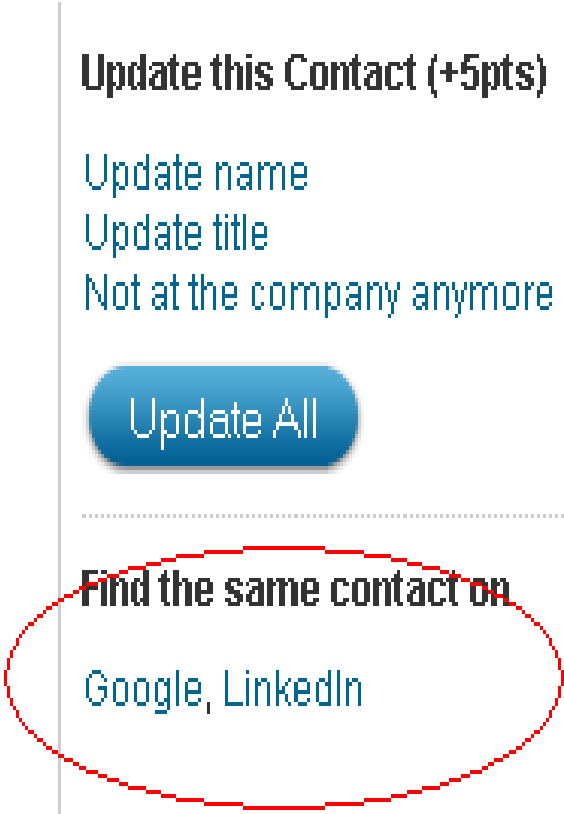




Where does your card go?

- Jigsaw.com – find business card info



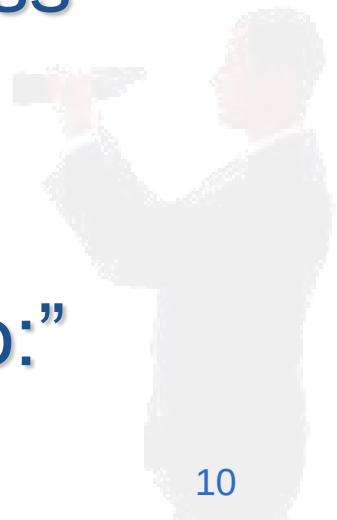


Where can they dig up this info?

- Search Engines
- Social Networks
- Reverse Image Search
- Previous Version Archive (archive.org)
- School & Alumni Sites
- Dating Sites
- Jigsaw.com

Prevention

- Avoid using work email for non work sites
- Avoid using same password anywhere
  - P@ssw0rd#8 vs. NascarP@ssw0rd#8
- Make user ID uniq and difficult to guess
- Know your footprint to know your exposure
- Use a separate junkmail email address
  - Gmail, etc lets you check both
- BCC instead of CC
- Code contact forms instead of “mailto:”



Dumpster Diving

Photo MetaData

- www.stolencamerafinder.co.uk
  - Search by serial number
- Picasa metadata
  - Where is John McAfee

Camera:	Apple iPhone 4S
Lens:	4.3 mm
Exposure:	Auto exposure, Program AE, 1/20 sec, f/2.4, ISO 125
Flash:	Off, Did not fire
Date:	**December 3, 2012** 12:26:00PM (timezone not specified) (4 hours, 59 minutes, 33 seconds ago, assuming image timezone of 6 hours behind GMT)
Location:	Latitude/longitude: **15°** 39' 29.4" North, **88°** 59' 31.8" West (15.658167, -88.992167)

Photo To Address

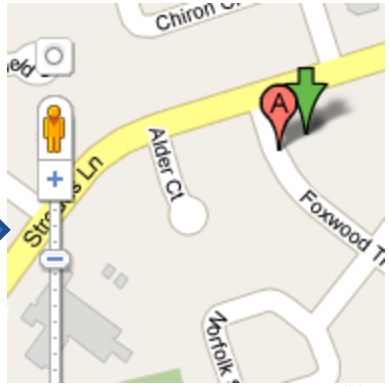
- Pictures with Geotagging can lead to an address

EXIF IFD0

Camera Make {0x010F}	Apple
Camera Model {0x0110}	iPhone
X-Resolution {0x011A}	72/1 ===> 72
Y-Resolution {0x011B}	72/1 ===> 72
X/Y-Resolution Unit {0x0128}	inch (2)
Last Modified Date/Time {0x0132}	2009:04:08 01:00:13

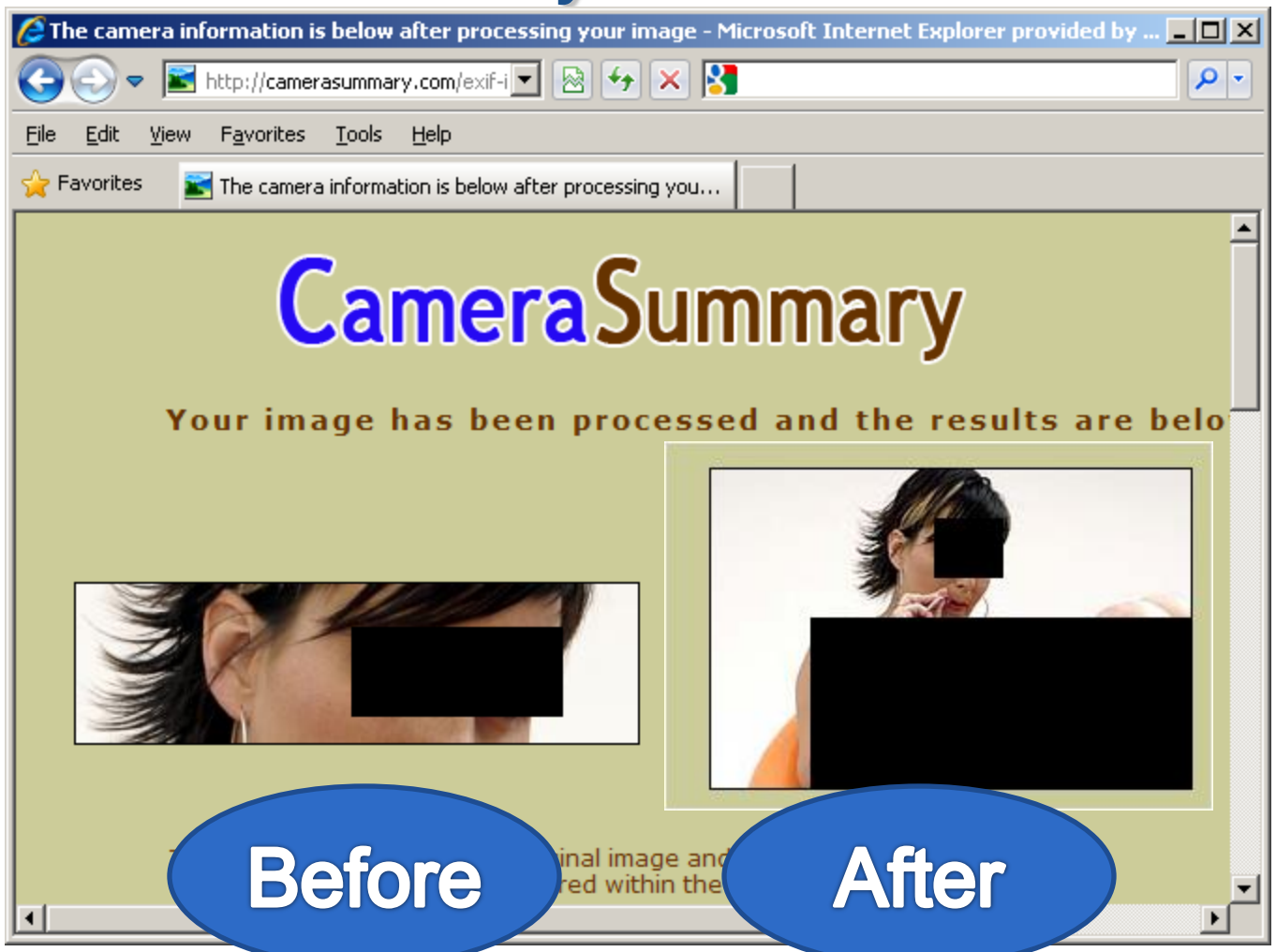
EXIF GPS IFD

GPS Latitude Reference {0x01}	N
GPS Latitude {0x02}	43/1,497[redacted],0/1 [degrees, minutes, seconds] ===> 4[redacted]71' == 4[redacted]285°
GPS Longitude Reference {0x03}	W
GPS Longitude {0x04}	79/1,74[redacted],0/1 [degrees, minutes, seconds] ===> 7[redacted]4' == 79.[redacted]333°
Links to online mapping websites	• Google™ Maps • Yahoo!® Maps • MSN® Maps & Directions • Mapquest® • Open KML data with Google™ Earth • Save KML data to file • Save KML data to file and open with Google™ Earth



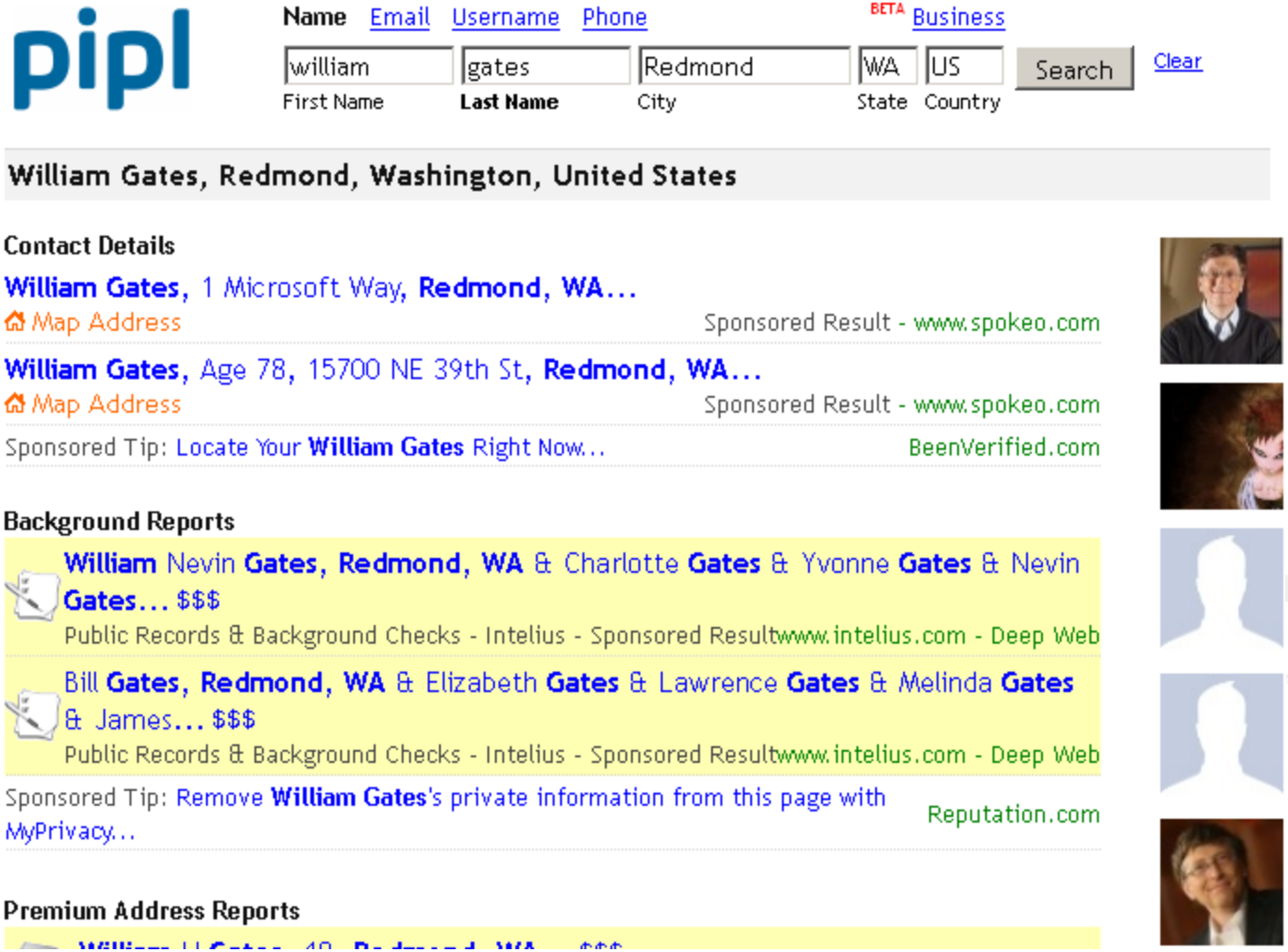
Original Image Photo Viewing

- camerasummary.com



Pipl.com

- Search name, email, username & phone



Namechk.com

namechk

hiddenninja chk

Show All (162) Sort by Name Export

Check to see if your available at dozens of Bookmarking websites. registering a username the most popular sites.

Available Domains: hiddenninja.org hiddenn.in

feedback

Blogger	taken ✖	last.fm	taken ✖	foursquare	available ✔
Facebook	taken ✖	deviantART	taken ✖	Posterous	available ✔
YouTube	taken ✖	Digg	taken ✖	blip.tv	available ✔
eBay	taken ✖	epinions	available ✔	bebo	taken ✖
Wordpress	taken ✖	LiveJournal	taken ✖	Current	available ✔
MySpace	taken ✖	Fanpop	available ✔	Xanga	taken ✖
twitter	taken ✖	Twitpic	taken ✖	Netlog	taken ✖
Flickr	available ✔	StumbleUpon	available ✔	Viddler	available ✔
photobucket	taken ✖	Instructables	available ✔	iLike	available ✔

Knowem.com

hiddenninja SEARCH

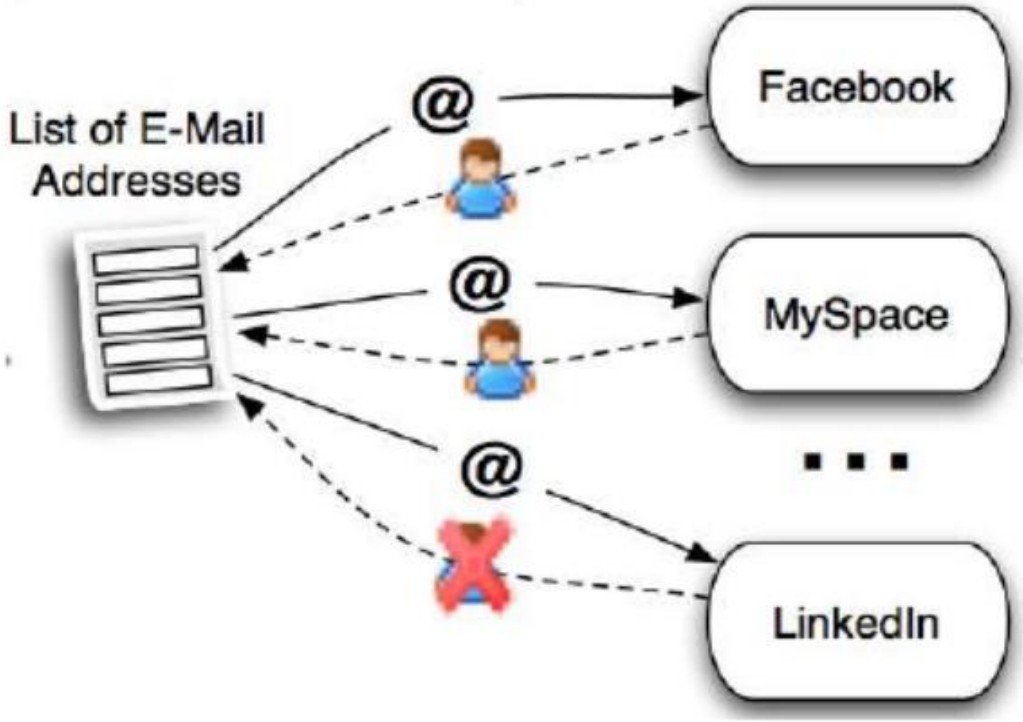
Most Popular | Social Networks

Most Popular Social Networks

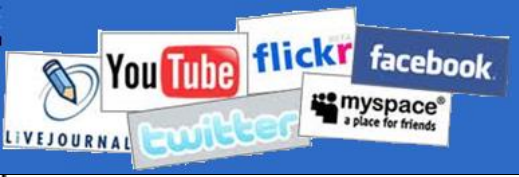
my	Available	digg	Available	delicious	Available
twitter	Available	StumbleUpon	Available	YouTube	Available
flickr	Available	SQUIDOO	Available	LIVEJOURNAL	Available
tumblr.	Available	slideshare	Available	last.fm	Available
LinkedIn	Available	Blogger	Available	DISQUS	Available
friendfeed	Available	TypePad	Available	WordPress	Available
Dailymotion	Available	posterous	Available	reddit	Available
facebook	Available	foursquare	Available	yelp	Available

Map Emails to Profiles

- Map profile to an email (normally private)
- Correlate different social networks against same email and/or username
- Enrich emails with private user info for phishing attacks
- Hidden profiles
  - Swingers
  - Creepers
  - Cheaters
- Map passwords



Scripted (60 + sites)



Identity Hunt Script

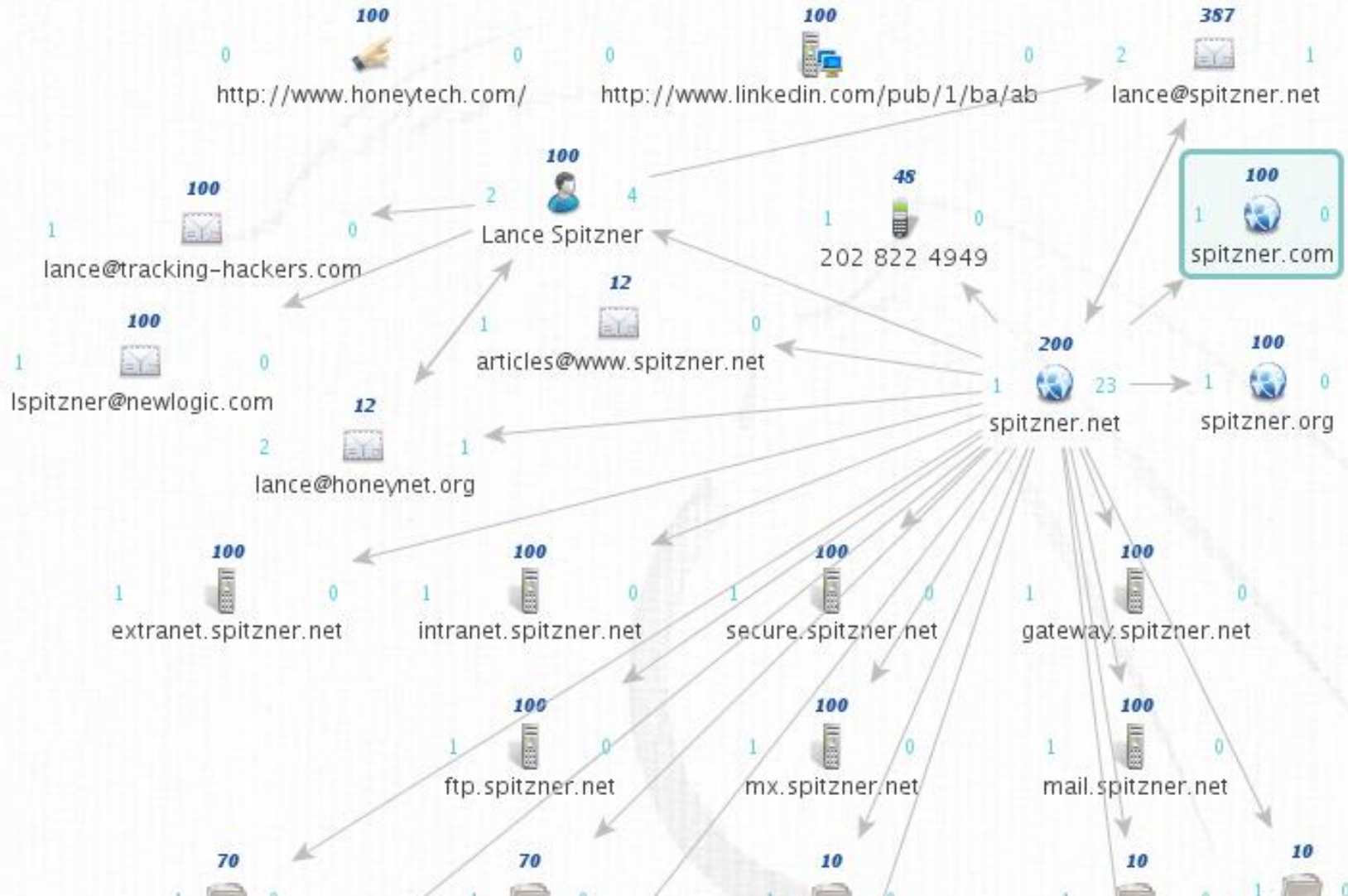
Url	Full name	Website	City	St	Age	G	Photo
about.me/kevinrose	Kevin Rose	twitter.com/kevinrose					d3mod
www.facebook.com/kevinro	Kevin Rose	facebook.com/kevinrose				male	
github.com/kevinrose	Kevin Rose	www.digg.com	San Francisco	CA			
www.youtube.com/user/kevi	Kevin Rose	about.me/kevinrose					
www.okcupid.com/profile/kevinrose			Chicago	IL	32	F	
hulu.com/profiles/kevinrose	Kevin R.		San Francisco	CA			
pinterest.com/kevinrose	Kevin Rose						media-c
www.flickr.com/people/kevir	Kevin Rose	kevinrose.com					farm1.s
mylife.com/kevinrose	Kevin Rose		Huntsville	AL			
twitter.com/kevinrose	Kevin Rose	about.me/kevinrose					
dailymotion.com/kevinrose	kevin rose					Male	
ffffound.com/home/kevinrose/post/		twitter.com/kevinrose					
badoo.com/kevinrose					33		
flixster.com/user/kevinrose	Kevin Rose						
linkedin.com/in/kevinrose	Kevin Rose						
kevinrose.tumblr.com	Kevin Rose						
kevinrose.typepad.com							
vimeo.com/kevinrose	Kevin Rose						
https://profiles.google.com/	Kevin Rose						

Identity Hunt Script

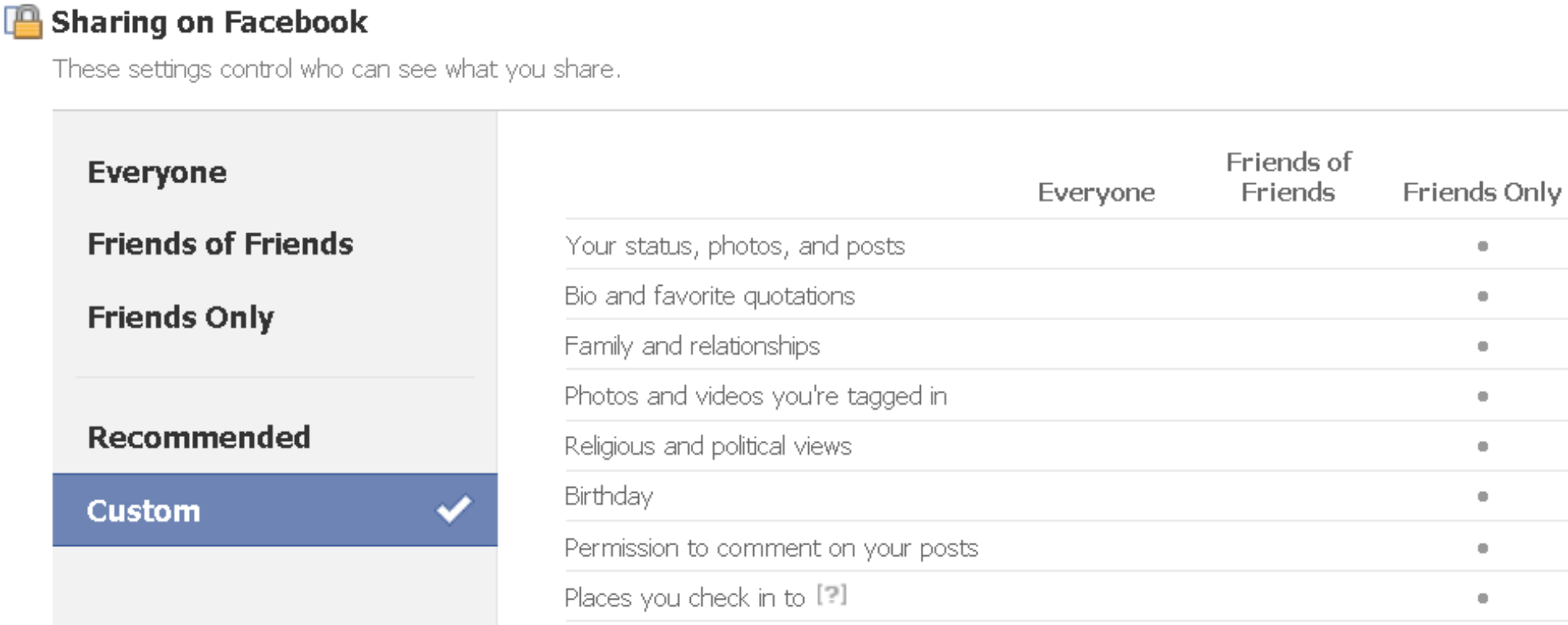
Url	Full name	Website
www.myspace.com/17224187		
mapmywalk.com/profile/kevinrose		
twitter.com/kevinrose		
dailybooth.com/kevinrose		
delicious.com/kevinrose		
myworld.ebay.com/kevinrose		
justin.tv/kevinrose		
www.kongregate.com/accounts/kevinrose		
www.last.fm/user/kevinrose		
stumbleupon.com/stumbler/kevinrose		
topsy.com/twitter/kevinrose		
twitpic.com/photos/kevinrose		
ustream.tv/user/kevinrose		
reddit.com/user/kevinrose		
squidoo.com/lensmasters/kevinrose		

Maltego

- Visually search and correlate



Privacy Settings

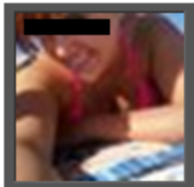


Average Facebook user has:

245 friends and 156,569 friends of friends

Monitter.com (Live Twitter feed search)

- Tweets containing
  - Home alone
  - Home number
  - Leaving vacation
  - Birthday



@[redacted] @[redacted]2 BYTHEWAYYY first weekend of june mi familia will be gone camping. And I'll be home alone.....just sayin

scandel[redacted] 1:29

New phone, and yes....its an i-phone. New number forever: 317[redacted]9

ia[redacted] 16:37 Twitter for iPhone

well parents are leaving to new jersey tomorro and im stayin home alone! :D

ch[redacted]9 15:16

Happy 26th Birthday [redacted]

Social Search Engines

- www.facebook-search.com
- search.twitter.com/search.atom?geocode=39.802941%2C-89.655697%2C1mi&rpp=100
- computercrimeinfo.com/twittersearch.html
- youropenbook.org
- openfacebooksearch.com

Password reset questions

- Birth date
- Zip code
- Mother's maiden name
- First car
- I Recommend using a password instead
- Example: Sarah Palin yahoo account.
  - Used Yahoo for official state business
  - "Rubico" sentenced to 1 year in custody

www.wired.com/threatlevel/2010/11/palin-hacker-sentenced

Passwords

- Password Cracking
  - Identify weak or default passwords
  - Verify the use of complex passwords

Characters (complex)	Estimated time to crack
7	6 minutes
8	2.34 hours
14	9 hours
15	209 days

Pick The Best Password

password

Summer13

P@swordCompl3x

juggle13 google

Security Awareness Material

- www.illinois.gov/bccs/services/catalog/security/assessments/Pages/awareness.aspx