

Open Source INTelligence (OSINT) Reference Sheet

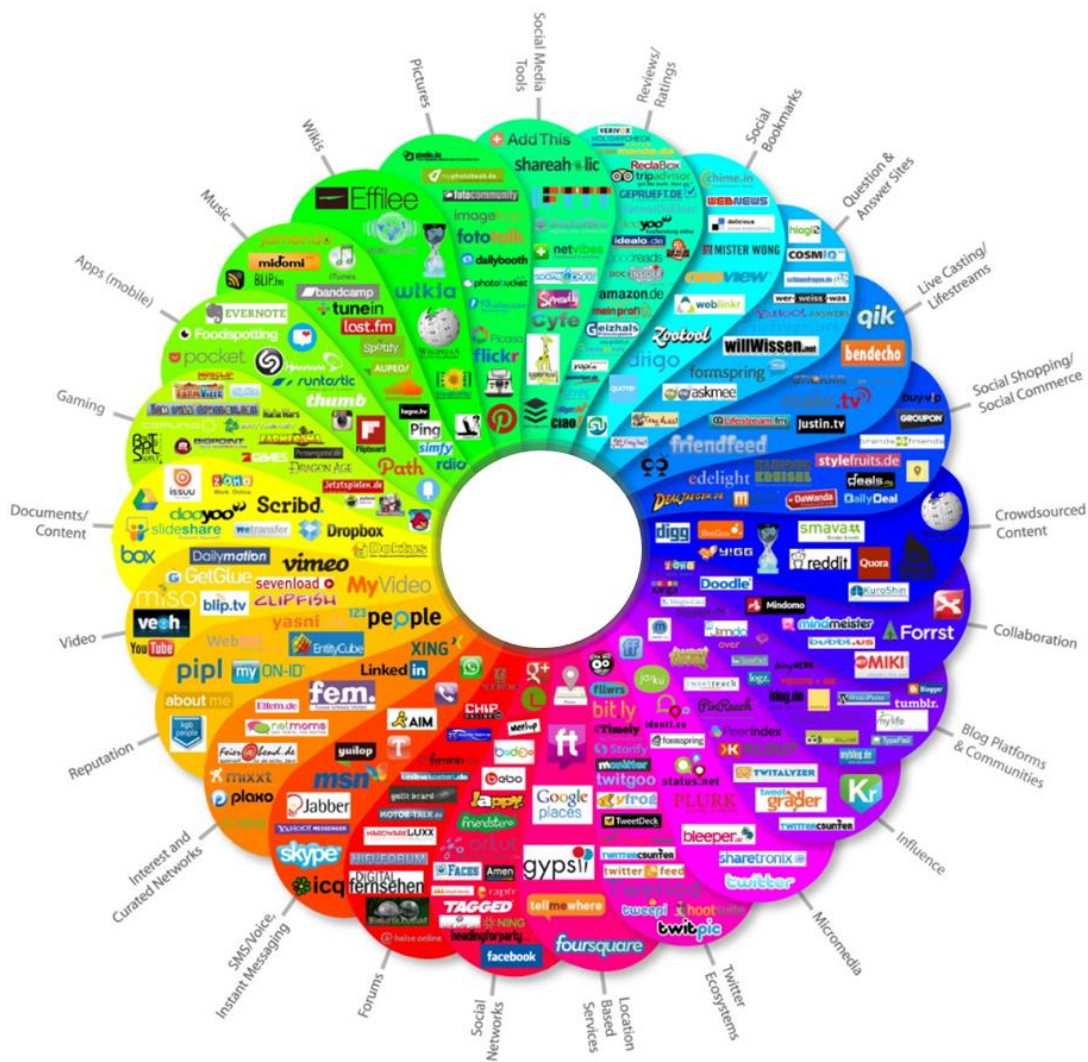


Table of Contents

Software	4
Browsers.....	4
TOR.....	4
User Agents.....	4
VPNs/Proxies.....	5
Reconnaissance (Passive).....	5
IP Addresses	5
<i>ip-adress.com</i>	5
<i>whatismyip.com</i>	5
<i>ipchicken.com</i>	5
<i>ip2location.com</i>	5
<i>Checking User agents</i>	5
Wireless Networks	5
<i>wigle.net</i>	5
Search Engine Usage	6
Google Usage	6
<i>Search Tips</i>	6
<i>Search Operators</i>	6
<i>Cached Pages</i>	6
<i>Google Advanced Search Tools</i>	7
<i>Google Scholar</i>	7
<i>Google Groups</i>	7
<i>Google News Archive</i>	7
<i>Google images</i>	7
<i>Google Alerts</i>	7
<i>Google Search History</i>	7
Bing Usage.....	7
Other Valuable Search Engines	8
<i>us.searchboth.net</i>	8
<i>Archive.org</i>	8
<i>Globalfilesearch.com</i>	8
<i>Searchftps.net</i>	8
<i>Filemare.com</i>	8
<i>Pastebin.com</i>	8
<i>netbootcamp.org/pastesearch.html</i>	8
<i>Yandex.com</i>	8
<i>iSeek.com</i>	8
<i>blinkx.com</i>	8
<i>Topix.com</i>	8
<i>search.carrot2.org/stable/search</i>	9
<i>bit.ly/2fgc3ZH</i>	9

Blogs.....	9
www.google.com/blogsearch	9
technorati.com	9
omgili.com	9
DeepWeb Search Engines	9
thehiddenwiki.org	9
onion.link	9
ahmia.fi	9
onion.cab	9
onion.to	9
Tracking Website Changes.....	9
Followthatpage.com	10
Company Reconnaissance Sites (Passive).....	10
Whois.net	10
RobTex.com	10
CentralOps.net	10
Netcraft.com	10
People Searching	10
spokeo.com	10
123people.com	10
zabasearch.com	10
pipl.com	11
zoominfo.com	11
zillow.com	11
amazon.com	11
voterrecords.com	11
peepdb.com	11
reversegenie.com	11
Phone Numbers	11
calleridtest.com	11
argali.com	11
ciddb.com/index.php	11
cellrevealer.com	11
spydialer.com	11
Public Records	12
publicrecords.searchsystems.net	12
Snoopstation.com/bc/courtsearch-crim.php	12
Familywatchdog.us	12
Finding Usernames.....	12
Social Networks	12
Facebook.....	12
Search engines.....	13
Google queries for Facebook	13
Facebook Query Language (FQL)	13

<i>The Ultimate Facebook Investigation Tool</i>	14
Twitter	14
<i>search.twitter.com</i>	14
<i>twitter.com/search-advanced</i>	14
<i>twitter.com/who_to_follow</i>	14
Twitter Search Operators:.....	15
Twitter Search Engines.....	15
<i>tweetpaths.com</i>	15
<i>Ready or Not</i>	15
<i>allmytweets.net</i>	15
<i>Sleepingtime.org</i>	15
<i>Socialbearing.com</i>	16
<i>twicsy.com</i>	16
<i>Twimemachine.com</i>	16
<i>inteltechniques.com/osint/twitter.html</i>	16
LinkedIn	16
<i>Google queries for LinkedIn</i>	17
MySpace	17
<i>Google queries for MySpace</i>	17
Social Network Search Engines	17
<i>kurrently.com</i>	17
<i>socialmention.com</i>	17
<i>whostalkin.com</i>	17
<i>twoogel.com</i>	17
<i>mention.com</i>	17
Monitoring & Alerting	18
<i>Google Alerts</i>	18
<i>Pastebin Alerts</i>	18
<i>HaveIBeenPwned.com</i>	18
<i>breachorclear.jesterscourt.cc</i>	18
Images	18
Picture Searching	18
<i>Images.google.com</i>	18
<i>Facesaerch.com</i>	18
<i>Tineye.com</i>	18
<i>Flickr.com/map</i>	18
<i>Photobucket.com</i>	18
<i>Search.fotki.com</i>	18
<i>7photos.net</i>	19
<i>Worldc.am</i>	19
<i>Yandex.com</i>	19
EXIF Analysis.....	19
<i>regex.info</i>	19
<i>FindExif.com</i>	19
<i>metapicz.com</i>	19
<i>imageforensic.org</i>	19
Documents	19
<i>Metashield Analyzer</i>	19
<i>forensicswiki.org/wiki/Document_Metadata_Extraction</i>	19

FOCA	19
Email Tracing	20
ip-adress.com/trace_email/	20
whatismyipaddress.com/trace-email	20
Tracking People	20
getnotify.com	20
IoT – Internet of Things	20
Insecam.org	20
IoTscanner.bullguard.com	20
Shodan	20
Shodan Query Options	20
<div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <ul style="list-style-type: none"> city: find devices in a particular city country: find devices in a particular country geo: you can pass it coordinates hostname: find values that match the hostname net: search based on an IP or /x CIDR os: search based on operating system port: find particular ports that are open before/after: find results within a timeframe </div>	21
Capturing Information	21
Maltego (Ultimate OSINT Tool)	22
http://ctas.paterva.com/view/Userguide	22

Software

Browsers

- <https://www.mozilla.org>
- <https://www.google.com/chrome>

TOR

- <https://www.torproject.org/>

User Agents

- What is my User Agent - <http://user-agent.me/>
- User Agent Changer Firefox - <https://addons.mozilla.org/en-US/firefox/addon/user-agent-switcher/>

- User Agent Changer Chrome - <https://chrome.google.com/webstore/detail/user-agent-switcher-for-c/>

VPNs/Proxies

- <http://anonymouse.org>
- <http://guardster.com>
- <http://webwarper.net>
- <https://www.privateinternetaccess.com>

Reconnaissance (Passive)

- <https://addons.mozilla.org/en-US/firefox/addon/passiverecon/>

IP Addresses

Websites to determine IP information

[ip-adress.com](#)

Will show you your IP address initially. Scroll down and choose "IP Tracing" to enter a different IP address.

[IP Tracing](#) - [Email Trace](#) - [Verify Email](#) - [IP Whois](#) - [Reverse IP](#) - [Speedtest](#) - [My IP and system](#)

[whatismyip.com](#)

Will show you your IP address initially and also provides other IP related tools.

[ipchicken.com](#)

Will show you your IP address initially and also provides other IP related security tools.

[ip2location.com](#)

Will show you your IP address initially and also provides other IP Geo locations related tools.

Checking User agents

- <http://user-agent.me>
- http://www.ip-adress.com/what_is_my_ip

Wireless Networks

Websites to find Wireless networks

[wigle.net](#)

Maps and database of 802.11 wireless networks, with statistics, submitted by wardrivers, netstumpers, and net huggers.

Search Engine Usage

Google Usage

Search Tips

"-" Avoids pages that match a term

Description: You want to find websites related to computer forensics, not forensics as a science

Query: forensics -science

" " Allows exact phrase searches

Description: You want to narrow these results further to find pages with the exact phrase "iphone forensics"

Query: forensics -science "iphone forensics"

Wildcard

Description: You want to find all web pages with variances of the term recover

*Query: recover**

Define:term

Description: You want to find the definition of the term "forensicator"

Query: define:forensicator

Search Operators

The same operators will work with Bing

inurl:

Description: Google will restrict the results to documents containing that word in the URL. For example, you want to find all website with the word forensics in the url.

Query: inurl:forensics

intitle:

Description: The query intitle:term restricts results to documents containing term in the title. For example, you want to find all jobs related to forensics on career pages.

Query: forensics intitle:careers

Filetype:

Description: Finds files of a particular format (PDF,XLS,etc). For example, you want to find presentations related to iphone forensics

Query: "iphone forensics" filetype:ppt|pptx

Site:

Description- Searches only within a site. For example, you want to find books related to computer forensics on amazon.com.

Query: "computer forensics" site:amazon.com

Cached Pages

Description Google takes a snapshot of each page it examines and caches (stores) that version as a back up. The cached version is what Google uses to judge if a page is a good match for your query. This can allow you to preview a previous version of a website or access the content without leaving your information.

Query: cache:lbmcinformationsecurity.com

Google Advanced Search Tools

http://www.google.com/advanced_search

Google has a built-in advanced search feature to assist in advanced searching. This can allow you to specify items such as:

Then narrow your results by...		
language:	<input type="text" value="any language"/>	Find pages in the language you select.
region:	<input type="text" value="any region"/>	Find pages published in a particular region.
last update:	<input type="text" value="anytime"/>	Find pages updated within the time you specify.
site or domain:	<input type="text"/>	Search one site (like wikipedia.org) or limit your results to a domain like .edu, .org or .gov
terms appearing:	<input type="text" value="anywhere in the page"/>	Search for terms in the whole page, page title, or web address, or links to the page you're looking for.
SafeSearch:	<input type="text" value="Show most relevant results"/>	Tell SafeSearch whether to filter sexually explicit content.
reading level:	<input type="text" value="no reading level displayed"/>	Find pages at one reading level or just view the level info.
file type:	<input type="text" value="any format"/>	Find pages in the format you prefer.
usage rights:	<input type="text" value="not filtered by license"/>	Find pages you are free to use yourself.

Google Scholar

<http://scholar.google.com>

Description: Legal research (article, patents, legal documents) for Federal and State courts

Google Groups

<https://groups.google.com>

Description: searches newsgroups only

Google News Archive

<https://news.google.com>

Description: Searches news only

Google images

<http://images.google.com/>

Description: searches Google images. Can also performed reverse image searching

Google Alerts

<http://www.google.com/alerts>

Description: emails sent to you when Google finds new results -- such as web pages, newspaper articles, or blogs -- that match your search term. You must have a Google account to set this up.

Google Search History

<https://myactivity.google.com/myactivity>

Description: for Google users that are signed in, Google maintains all search queries and many other activities such as locations, Device information, YouTube activity, etc.

Bing Usage

*Note: Yahoo now uses Bing.com as its search engine.

All usage and operators are mostly the same as google.com with one exception. The Linkfromdomain: operator. This operator finds domains this site links to.

For example: `Linkfromdomain:lbmcinformationsecurity.com` will find all domains that `sans.org` links to. This is the opposite from the Google operator `Link:lbmcinformationsecurity.com`

Other Valuable Search Engines

us.searchboth.net

<http://us.searchboth.net>

Description: Provides the ability to search Google and another search engines simultaneously

[Archive.org](http://www.archive.org)

<http://www.archive.org>

Description: Allows you to search previous versions of websites at different timeframes. Also has archives of movies and audio.

You can actually search archives using <https://web-beta.archive.org/#/>

[Globalfilesearch.com](http://www.globalfilesearch.com)

<http://www.globalfilesearch.com>

Description: Index of FTP servers (search engines typically do not index FTP servers).

[Searchftps.net](http://searchftps.net)

<http://searchftps.net>

Description: Index of FTP servers (search engines typically do not index FTP servers).


[Filemare.com](http://www.filemare.com)

<http://www.filemare.com>

Description: Index of FTP servers (search engines typically do not index FTP servers).

[Pastebin.com](http://www.pastebin.com)

<http://www.pastebin.com>

Description: Hacker dumping ground for "loot" stolen such as usernames, passwords, pii, etc. Not a bad idea to setup alerts for your information under  in the upper right hand corner

netbootcamp.org/pastesearch.html

<http://netbootcamp.org/pastesearch.html>

Description: Searches all major "paste" sites for "loot" stolen such as usernames, passwords, pii, etc.

[Yandex.com](http://www.yandex.com)

<http://www.yandex.com>

Description: alternate search engine with International results

[iSeek.com](http://www.iseek.com)

<http://www.iseek.com>

Description: alternate search engine with categories such as topic, people, places, organizations, etc

[blinkx.com](http://www.blinkx.com)

<http://www.blinkx.com>

Description: searches text (phrases) used in videos

[Topix.com](http://www.topix.com)

<http://www.topix.com>

Description: local and crowdsourced news by community. I call it the "Jerry Springer" of the Internet

search.carrot2.org/stable/search

<http://search.carrot2.org/stable/search>

description: Search results clustering engine pulling data from a meta-search engine, Bing, Wikipedia and other sources. Also provides visual representations of the clusters.

bit.ly/2fgc3ZH

<http://bit.ly/2fgc3ZH>

Description: A Google Custom Search Engine (CSE) that Searches cloud based storage for public information.

Blogs

Search engines that focus on blogs and forums.

www.google.com/blogsearch

Description: Google search specialized to blogs

technorati.com

Description: Real-time search for user-generated media (including weblogs) by tag or keyword. Also provides popularity indexes.

omgili.com

Description: Searches discussions in message boards (forums)

DeepWeb Search Engines

***You Must be Using the TOR browser bundle when accessing this sites*

**Access the sites produced by the search engines at your own risk*

thehiddenwiki.org

<http://thehiddenwiki.org>

[onion.link](http://www.onion.link)

<http://www.onion.link>

ahmia.fi

[https://ahmia.fi/search](https://ahmia.fi)

onion.cab

<https://onion.cab>

[onion.to](https://xmh57jrnrw6insl.onion.to)

<https://xmh57jrnrw6insl.onion.to>

Tracking Website Changes

[Changedetection.com](http://www.changedetection.com)

<http://www.changedetection.com>

Description: provides page change monitoring and notification services to internet users worldwide. Anyone can use our service to monitor any website page for changes.

[Followthatpage.com](http://www.followthatpage.com)

<http://www.followthatpage.com>

Description: sends you an email when your favorite web pages have changed.

Company Reconnaissance Sites (Passive)

[Whois.net](http://www.whois.net)

<http://www.whois.net>

Description: Your Trusted Source for Secure Domain Name Searches, Registration & Availability.

[RobTex.com](http://www.robtex.com)

<http://www.robtex.com>

Description: We aim to make the fastest and most comprehensive free DNS lookup tool on the Internet

[CentralOps.net](http://www.centralops.net)

<http://www.centralops.net>

Description: Free online network tools.

[Netcraft.com](http://www.netcraft.com)

<http://www.netcraft.com>

Description: Providing research data and analysis on many aspects of the Internet.

People Searching

Description: These are search engines that aggregate information specific related a person.

[spokeo.com](http://www.spokeo.com)

<http://www.spokeo.com>

Description: People search engine and free white pages finds phone, address, email, and photos. Find people by name, email, address, and phone for free (and paid).

[peakyou.com](http://www.peakyou.com)

<http://www.peakyou.com>

Description: PeekYou's free people search engine allows you to find and contact anyone online. Find social links, photos, work history, alumni info, family and more.

[thatsthem.com](http://www.thatsthem.com)

<http://www.thatsthem.com>

Description: Thatsthem is a completely Free People Search service that allows you to lookup anyone's phone number, email address, postal address, and more.

[123people.com](http://www.123people.com)

<http://www.123people.com>

Description: 123-People-Search is a free people search engine that allows you to find & track anyone online. Our records contain current addresses, phone numbers & more.

[zabasearch.com](http://www.zabasearch.com)

<http://www.zabasearch.com>

Description: Find people free with Zabasearch directory engine that includes free people search, reverse phone number lookup, address lookup, and more.

pipl.com

<http://www.pipl.com>

Description: Pipl finds high-quality results in pages that cannot be found on regular search engines.

zoominfo.com

<http://www.zoominfo.com>

Description: ZoomInfo delivers detailed contact information to fuel your sales & marketing funnels—backed by a comprehensive B2B database.

zillow.com

<http://www.zillow.com>

Description: The leading real estate marketplace. Search millions of for-sale and rental listings, compare Zestimate® home values and connect with local professionals.

amazon.com

<http://www.amazon.com>

Description: searching book reviews (may require username being used)

voterrecords.com

<https://voterrecords.com>

Description: Access more than 50 million people's voter info for free.

peepdb.com

<http://www.peepdb.com>

Description: Find addresses, phone numbers, and comments on people you know.

reversegenie.com

<http://www.reversegenie.com/plate.php>

Description: ReverseGenie provides free license plate search lookup tool.

Phone Numbers

Description: Phone lookup databases

calleridtest.com

<http://www.calleridtest.net>

argali.com

<http://www.argali.com>

ciddb.com/index.php

<http://www.ciddb.com/index.php>

cellrevealer.com

<http://www.cellrevealer.com>

spydialer.com

<http://www.spydialer.com>

Description: This website, without ringing the phone (most of the time), pulls the first 10 seconds of the voicemail greeting to determine the name of the owner if the voicemail reveals it.

Public Records

publicrecords.searchsystems.net

<http://publicrecords.searchsystems.net>

Description: "Free" public records

[Snoopstation.com/bc/courtsearch-crim.php](http://snoopstation.com/bc/courtsearch-crim.php)

<http://snoopstation.com/bc/courtsearch-crim.php>

Description: County Court records. Not all will be available.

Familywatchdog.us

<http://Familywatchdog.us>

Description: Sex offenders database

[Crimereports.com](http://www.crimereports.com)

<http://www.crimereports.com>

Description: Map of criminal incidents, traffic incidents, registered sex offenders, police reports and emergency situations.

Finding Usernames

Description: these search engines search the major social networks to determine where username is being used.

[Namechk.com](http://www.namechk.com)

<http://www.namechk.com>

Description: Use Namechk to search for an available username or domain and secure your brand across the Internet.

[Knowem.com](http://www.knowem.com)

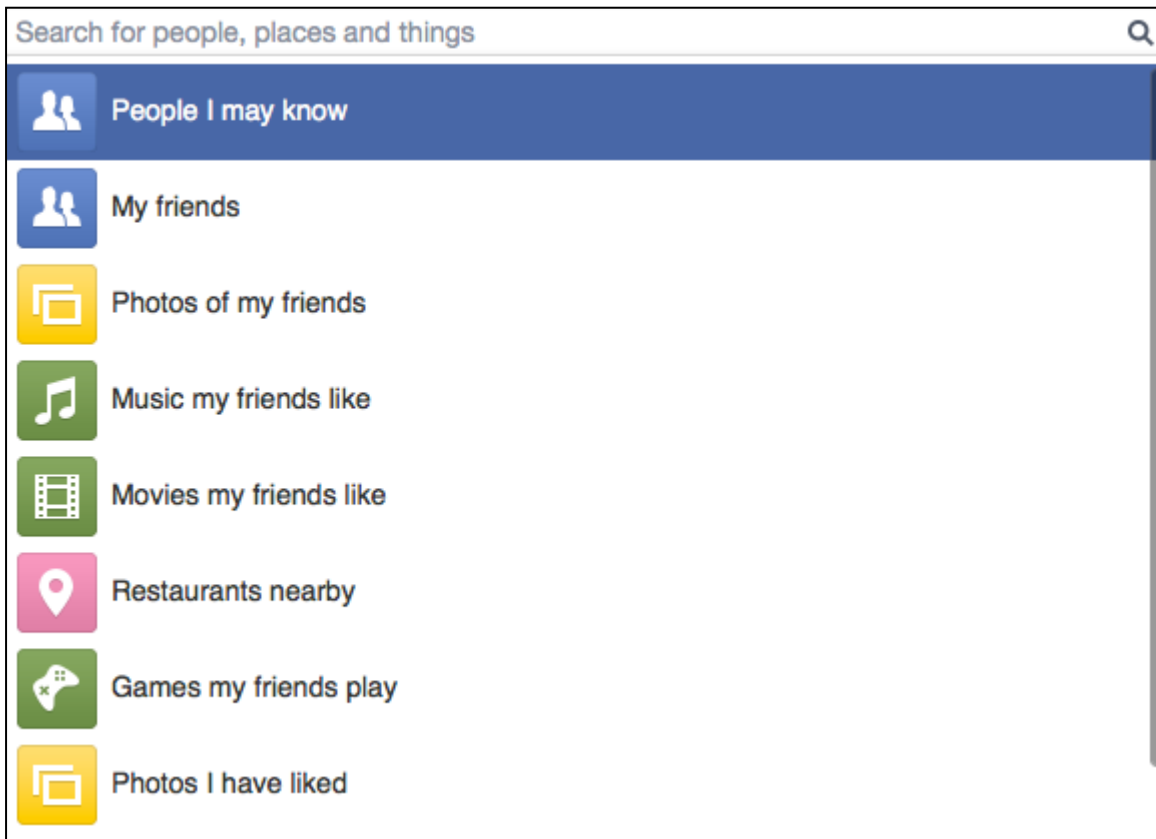
<http://www.knowem.com>

Description: Check username availability on over 500 social networks in social media, domain names and the USPTO Trademark database to see if your company, brand, ...

Social Networks

Facebook

Facebook has a built-in search feature to assist in searching within Facebook as a logged in user. This is located at the top of your home page.



Search engines

Facebook Live

www.facebook.com/livemap

Google queries for Facebook

Group Search: `site:facebook.com inurl:group ('lbmc information security' | lbmc)`

Group Wall Posts Search: `site:facebook.com inurl:wall (lbmcinformationsecurity | lbmc)`

Pages Search: `site:facebook.com inurl:pages (lbmcinformationsecurity | lbmc)`

Public Profiles: `allinurl: people 'Bill Dean' site:facebook.com`

Facebook Query Language (FQL)

***Will need the Facebook ID from [findmyfbid.com](http://www.findmyfbid.com)*

<http://www.findmyfbid.com/>

Description: Find numeric ID →. What's my personal profile URL? Your Facebook personal profile URL is the the URL you get to when you click on your name in the upper right hand corner.

Direct FQL Queries

Photos By - <https://www.facebook.com/search/<ID>/photos-by>

Photos Liked - <https://www.facebook.com/search/<ID>/photos-liked>

Photos Of - <https://www.facebook.com/search/<ID>/photos-of>

Comments - <https://www.facebook.com/search/<ID>/photos-commented>

Friends - <https://www.facebook.com/search/<ID>/friends>

Videos Tagged - <https://www.facebook.com/search/<ID>/videos>

Videos By - <https://www.facebook.com/search/<ID>/videos-by>

Videos Liked - <https://www.facebook.com/search/<ID>/videos-liked>

Videos Commented - <https://www.facebook.com/search/<ID>/videos-commented>

Events Attended - <https://www.facebook.com/search/<ID>/events-joined>

Relatives - <https://www.facebook.com/search/<ID>/relatives>

The Ultimate Facebook Investigation Tool

<https://inteltechniques.com/osint/facebook.html>

Twitter

Twitter has three built-in search features to assist in searching within Twitter. These are located at the following locations.

[search.twitter.com](https://twitter.com/search-home)

<https://twitter.com/search-home>

[twitter.com/search-advanced](https://www.twitter.com/search-advanced)

<https://www.twitter.com/search-advanced>

[twitter.com/who_to_follow](https://www.twitter.com/who_to_follow)

https://www.twitter.com/who_to_follow

Description: Since everything in twitter is based on Twitter handle and does not have an easy way to search by a name. "Who to Follow" provides this capability.

Twitter Search Operators:

Search Operators	
Operator	Finds tweets...
twitter search	containing both "twitter" and "search". This is the default operator.
"happy hour"	containing the exact phrase "happy hour".
love OR hate	containing either "love" or "hate" (or both).
beer -root	containing "beer" but not "root".
#haiku	containing the hashtag "haiku".
from:alexiskold	sent from person "alexiskold".
to:techcrunch	sent to person "techcrunch".
@mashable	referencing person "mashable".
"happy hour" near:"san francisco"	containing the exact phrase "happy hour" and sent near "san francisco".
near:NYC within:15mi	sent within 15 miles of "NYC".
superhero since:2010-12-27	containing "superhero" and sent since date "2010-12-27" (year-month-day).
ftw until:2010-12-27	containing "ftw" and sent up to date "2010-12-27".
movie -scary :)	containing "movie", but not "scary", and with a positive attitude.
flight :(containing "flight" and with a negative attitude.
traffic ?	containing "traffic" and asking a question.
hilarious filter:links	containing "hilarious" and linking to URLs.
news source:twitterfeed	containing "news" and entered via TwitterFeed

Twitter Search Engines

tweetpaths.com

<http://www.tweetpaths.com>

Description: If the user has geolocation enabled, this site will provide their locations when tweets are sent.

Ready or Not

<http://teachingprivacy.icsi.berkeley.edu:8080/>

allmytweets.net

<http://www.allmytweets.com>

Description: Simple way to view all tweets, retweets and replies for a user

Sleepingtime.org

<http://www.sleepingtime.org>

Description: Analyzes tweets of a person to "estimate" when they sleep.

Socialbearing.com

<https://www.socialbearing.com>

Description: Powerful Twitter analytics. Find, filter and sort tweets or handles by influence, engagement, sentiment, location and more.

twicsy.com

<http://www.twicsy.com>

Description: Twicsy is social pics. Browse & Search social pics! Search over 6,270,226,100 Twitter pics, millions posted every day! View top trends, popular pics, pics by user

Twimemachine.com

<https://www.twimemachine.com>

Description: Easily read and search your old tweets. All in one place. Used by more than 585 000 people.

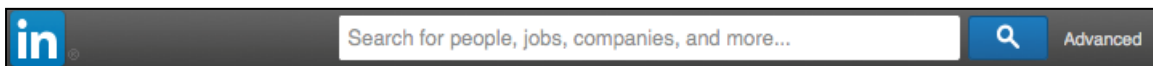
inteltechniques.com/osint/twitter.html

<http://inteltechniques.com/osint/twitter.html>

Description: Very versatile twitter custom search page

LinkedIn

LinkedIn has two built-in search features to assist in searching within LinkedIn. These are located on your profile home page.



Selecting the “Advanced” option provides a more granular search option:

People
Jobs

Keywords
[Input Field]

First Name
[Input Field]

Last Name
[Input Field]

Title
[Input Field]

Company
[Input Field]

School
[Input Field]

Location
Located in or near: [Dropdown]

Country
United States [Dropdown]

Postal Code
[Input Field] Lookup

Search Reset

Advanced People Search

Relationship

- 1st Connections
- 2nd Connections
- Group Members
- 3rd + Everyone Else

Location

Current Company

Industry

Past Company

School

Profile Language

Groups

- American Board of Information Security and...
- CCE
- Certified Security Career Professionals (CS...
- Computer Security and Forensics
- Consortium of Digital Forensic Specialists

Years of Experience

Function

Seniority Level

Interested In

Company Size

Fortune

When Joined

Reset Close

Google queries for LinkedIn

Public Profiles: site:linkedin.com inurl:pub ("lbmc information security" | lbmc)

Updated Profiles: site:linkedin.com inurl:updates ("lbmc information security" | lbmc)

Company Profiles: site:linkedin.com inurl:companies ("lbmc information security" | lbmc)

MySpace

MySpace has a built-in search feature to assist in searching within MySpace.

Google queries for MySpace

Profiles: site:myspace.com inurl:profile ("lbmc information security" | lbmc)

Blogs: site:myspace.com inurl:blogs ("lbmc information security" | lbmc)

Videos: site:myspace.com inurl:vids ("lbmc information security" | lbmc)

Jobs: site:myspace.com inurl:jobs ("lbmc information security" | lbmc)

Videos: site:myspace.com "TARGET NAME" "videos"

Comments: site:myspace.com "TARGET NAME" "comments"

Friends: site:myspace.com "TARGET NAME" "friends"

Social Network Search Engines

Social network search engines that combine the results from the primary social networks. These are great for "live" monitoring across social networks.

kurrently.com

<http://www.kurrently.com>

Description: Kurrently is a new, real-time search engine that includes both Twitter and Facebook results, giving companies.

socialmention.com

<http://www.socialmention.com>

Description: Social Mention is a social media search and analysis platform that aggregates user generated content from across the universe into a single stream of information.

whostalkin.com

<http://www.whostalkin.com>

Description: WhosTalkin? helps search for conversations, surrounding the topics that we care about most. Join us, in conversation today.

twoogel.com

<http://www.twoogel.com>

Description: Twoogel.com utilizes a powerful custom Google Search code to search the entire Twitterverse.

mention.com

<http://www.mention.com>

Description: Get the easy-to-use media monitoring tool that lets you track social mentions, analyze competitors, find influencers, and generate leads.

Monitoring & Alerting

Google Alerts

<https://www.google.com/alerts>

Description: Monitor the web for interesting new content. ****Requires a Google account.**

Pastebin Alerts

<http://pastebin.com/u/alerts>

Monitor the pastebin site for interesting new content. ****Requires a Pastebin account**

HavelBeenPwned.com

<http://www.havelbeenpwned.com>

Description: Have I been pwned? allows you to search across multiple data breaches to see if your email addresses has been compromised.

breachorclear.jesterscourt.cc

<http://breachorclear.jesterscourt.cc>

Description: Search across multiple data breaches to see if your accounts have been compromised.

Images

Picture Searching

Website that allow you to search for pictures based on numerous criteria and specialties. Also performs reverse imaging searching.

Images.google.com

<https://images.google.com>

Description: Google Images. The most comprehensive image search on the web.

Facesaerch.com

<http://facesaerch.com/>

Description: Searches for pictures of a person.

Tineye.com

<http://www.tineye.com>

Description: Allows you to upload a picture to determine all locations a picture exists on the Internet. Also has a Firefox plugin.

Flickr.com/map

<http://Flickr.com/map>

Description: searches flickr pictures based on location (requires EXIF data in picture).

Photobucket.com

<http://photobucket.com/>

Description: Get free image hosting, easy photo sharing, and photo editing. Upload pictures and videos, create with the online photo editor, or browse a photo gallery.

Search.fotki.com

<http://search.fotki.com/>

Description: Search Fotki.com for members, albums, photos. ... Search by tags: Find files. color · black, white, red, orange, yellow, green, blue, purple, pink, silver, sepia, ...

7photos.net

<http://www.7photos.net>

Try the search tools of 7photos.net and you'll be surprised how easy you can find a photo ... The search will be much more productive if use the site 7photos.net.

Worldc.am

<http://www.worldc.am>

Description: The best way to find the latest Instagram photos from places on the other side of the world, or just around the corner.

Yandex.com

<https://yandex.com/images/>

Description: Russian search engine that does a good job of reverse image searching.

EXIF Analysis

regex.info

<http://regex.info/exif.cgi>

Description: Online tool for viewing image Exif data (metadata embedded within images), such as camera setting used when taking a photographs, date and location

FindExif.com

<http://www.findexif.com>

Description: findExif is a free service that can extract and show EXIF data from any photo on the web. Exif data are shown in a user-friendly format and has support for GPS

metapicz.com

<http://metapicz.com>

Description: Visualize image metadata anywhere. ... online metadata and exif viewer. <http://metapicz.com>. Visualize image metadata anywhere

imageforensic.org

<http://www.imageforensic.org>

Description: Public and free Digital Image Forensic Analyzer. ... With more features and more great power, check it out Ghire at: <http://getghiro.org>.

Documents

Metashield Analyzer

<https://metashieldanalyzer.elevenpaths.com/>

Description: Metashield Analyzer Online is a service that allows you to analyze the metadata contained in your office documents, no matter where you are.

forensicswiki.org/wiki/Document_Metadata_Extraction

http://www.forensicswiki.org/wiki/Document_Metadata_Extraction

Description: Here are tools that will extract metadata from document files.

FOCA

<https://www.elevenpaths.com/labstools/foca/index.html>

Description: FOCA (Fingerprinting Organizations with Collected Archives) is a tool used mainly to find metadata and hidden information in the documents its ...

Email Tracing

Websites that you can copy an email header and determine additional information such as sender.

[ip-adress.com/trace_email/](http://www.ip-adress.com/trace_email/)

http://www.ip-adress.com/trace_email/

Description: Performing an email trace can be done with two different methods and IP-Adress.com can help you discover the sender of any email by using that person's IP address information that you received. The way we can help you do this is by using the email header to determine the IP information of the device where the email originated, and then using that information to run an IP lookup here on our site.

[whatismyipaddress.com/trace-email](http://www.whatismyipaddress.com/trace-email)

<http://www.whatismyipaddress.com/trace-email>

Description: In the following steps you'll learn how to find and copy an email header and paste it into the Trace EmailAnalyzer to get the sender's IP address and track the ...

Tracking People

[getnotify.com](http://www.getnotify.com)

<http://www.getnotify.com>

Description: Allows you to send an email that will let you know when they open the email and the IP address they had at that time (combine the info with the IP Geolocating sites later discussed).

IoT – Internet of Things

Insecam.org

<http://Insecam.org>

Description: Insecam.com - the world biggest directory of online surveillance security IP

[IoTscanner.bullguard.com](http://iotscanner.bullguard.com)

<http://iotscanner.bullguard.com>

Description: Check if your internet-connected devices at home (webcams, smart TVs etc) are public on Shodan.

[Shodan](https://Shodan.io)

<https://Shodan.io>

Description: Shodan is the world's first search engine for Internet-connected devices. ... Use Shodan to discover which of your devices are connected to the Internet.

[Shodan Query Options](https://pen-testing.sans.org/blog/2015/12/08/effective-shodan-searches)

<https://pen-testing.sans.org/blog/2015/12/08/effective-shodan-searches>

<https://danielmiessler.com/study/shodan/#gs.VBVsy0>

city: find devices in a particular city
country: find devices in a particular country
geo: you can pass it coordinates
hostname: find values that match the hostname
net: search based on an IP or /x CIDR
os: search based on operating system
port: find particular ports that are open
before/after: find results within a timeframe

Find Apache servers in San Francisco:

```
apache city:"San Francisco"
```

Find Nginx servers in Germany:

```
nginx country:"DE"
```

Find GWS (Google Web Server) servers:

```
"Server: gws" hostname:"google"
```

Find Cisco devices on a particular subnet:

```
cisco net:"216.219.143.0/24"
```

Capturing Information

Tools for capturing information from websites

DownloadHelper

<https://www.downloadhelper.net/>

Description: A Firefox plugin that will assist in downloading all media from a website

Exif Viewer

<https://addons.mozilla.org/en-US/firefox/addon/exif-viewer/>

Description: A Firefox plugin that will assist in analyzing EXIF data for both local files and files on remote web servers

FacePaste

<https://addons.mozilla.org/en-US/firefox/addon/facepaste/>

*Description: A Firefox plugin that will assist in downloading Facebook photo albums. **Currently not working.. Check back at a later time*

FireShot

<https://addons.mozilla.org/en-US/firefox/addon/fireshot/>

Description: A Firefox plugin that will assist in creating screenshots full or partial webpages.

HTTrack

<https://www.httrack.com/>

Description: Downloads full websites to local disk (do not try with Facebook)

Camstudio

<http://camstudio.org/>

Description: If nothing else works, this is a free application to grab video screen captures of websites

Maltego (Ultimate OSINT Tool)

<https://www.paterva.com/web7/>

<http://ctas.paterva.com/view/Userguide>