Online Maps

General Geospatial Research Tools

- Digital Globe: Easy to use global map imagery tool with advanced search filters.

- Bing Maps: Alternative to Google Map.

- Yandex Maps: A Russian alternative to Google.

- Baidu Maps: A Chinas alternative to Google.

- Daum: Koran Map.

- N2yo: Live streaming from different satellites. It also gives information about the tracked satellites and their coverage area.

- **Wigle**: Wi-Fi networks mapping around the globe. It shows the Wi-Fi network name along with the access point MAC (Hardware) address, in addition to the possible location where free Wi-Fi is might be available.

- **BB Bike**: Compare between two maps, for example, compare the same location map for Bing and Google map to see the difference in target location.

- **Newspaper map**: List all newspapers around the globe on a map, you can filter according to location and newspaper language.

- **USGS**: Search world map using different search criteria like address, place name or location coordinates. Map version is newer than Google maps.

- **Google Street View**: View a specific location -must be existed within Google street view database- as if you are there.

- **Google maps Street View player**: Show street view -where available- between two points on the map.

- **RouteView**: Another Google map street viewer.

- **Street View Movie Maker**: View Google street view between two locations -where available- and download the movie to your PC for offline view.

- **Open Street Cam**: View open street cameras in a specific location -where available.

- **Zoom Earth**: View international cloud imagery -updated each day- from NASA satellites.

- **Terrapattern**: This is a visual search tool for satellite imagery, it allows you to search wide geographical area for specific visual effect. Currently, the search works in the following cities: New York, San Francisco, Pittsburgh, Berlin, Miami and Austin.

- **dominoc925**: Show Military Grid Reference System (MGRS) Coordinates.

- **Google Map Alert**: Receive an alert when a new imagery is available in both Google Maps and Google Earth.

- **Mapillary**: View street level imagery uploaded by people around the world. It gives a 3D view of many places (its database currently have 259,200,042), very useful to discover/investigate a specific location while you are not there.

- **Address Lookup**: Find the address of any place on Google Maps.

- **Inspire Geoportal**: Give access to European spatial data.

- **Hiking and Biking map**: A map for hiking and biking.

- **Viamichelin**: Show tourist, restaurants, hotels, traffic and weather on world map.

- **CORONA Project**: List more than 800,000 images collected by the CORONA spy satellite launched by the United Sates and was in operation between 1960-1972.

- **Ani Maps**: Create maps with interactive animations.

- **Trip Geo**: Create a direction map using Google Street View data.

- **GeoGig**: Open source tool which import raw geospatial data (currently from Shapefiles, PostGIS or SpatiaLite) into a repository to track any change to the data.

- **GRASS GIS**: This is an open source Geographic Information System (GIS) software used for managing and analyzing geospatial data, spatial modeling, and visualization.

- **Timescape**: This is a map based storytelling platform.

- **Polymaps**: A JavaScript library for making dynamic, interactive maps in modern web browsers and supports different visual presentations to place on.

- **Mapquest**: Helps you to find places on a map (Like Hotels, restaurants, coffee, Grocery stores, pharmacy, airport and many more), you can also use this service to find the best route -shortest one and estimated time to arrive- when going from one place to another.

- **NGA GEOINT**: National Geospatial-Intelligence Agency official repository of map related tools on GitHub.

- **Free Map Tools**: Find the radius around a point on the map.

- **Maphub**: Create interactive map by adding points, lines, polygons or labels in addition to customized background.

- **Crowdmap**: This is an annotation tool that allows you to visualize information on a map and timeline.

- **Maperitive**: This is a Windows software for drawing maps based on OpenStreetMap and GPS data.

- **Perry-Castañeda Library Map Collection**: List online maps of current interest around the world in addition to different map -including historical maps- of different locations around the world.

- **United Nations Geospatial Information Section**

- **Roundshot**: View live cameras from selected regions around the world.

- **Live Earthquake Map**

- **Universal Postal Union**: Find zipcodes of all countries.

Commercial Satellites

- **European Space Imaging**

- **Digital Globe**: Very famous for giving high resolution satellite images of conflicts locations around the world.

Global Date/Time

- **Wolframe Alpha**: Enter a specific city/town or any location and the site will retrieve important information about it, like: Population, current local time, current weather, nearby cities, nearby airports, geographic properties and many more.

- **SunCalc**: Shows sun movement during the course of the day for any given location on the map.
- SunCalc
- Mooncalc

Location Based Social Media

Youtube

- Geo Search Tool: This is a Geolocation search tool for YouTube geotagged videos. You can search for videos at a given address and in a given time-frame.

Facebook

- To display the places visited by target profile, type the following in your browse address bar: https://www.facebook.com/search/PROFILE_ID/places-visited/
- To display recent places Checked-in by target profile , type the following in your browse address bar: https://www.facebook.com/search/PROFILE_ID/places-checked-in/
- To display common places where two targets have "Check-in" previously, type the following in your browse address bar:
- https://www.facebook.com/search/Facebook_Profile_ID_1/places-checked-in/ Facebook_Profile_ID_2/places-checked-in/intersect/
- To display common events where two targets have attended previously, type the following in your browse address bar: https://www.facebook.com/search/ Facebook_Profile_ID_1/events/ Facebook_Profile_ID_2/events/intersect/

- To see a list of posts written in a specific location, type the following in the Facebook search bar: Posts written in Seattle, WA

- **Facebook Live:** Go to Facebook live to see where there are live videos currently broadcasting. Live videos appear on a global map; a user can click over any live video -represented as a blue dot- to view/save it.

Twitter Geo-Location

- **Tweet Mapper:** This is a free service to list all Geo-tagged tweets (All tweets posted while the "Location" feature is ON). All you need to do is to enter target Twitter handle then press ENTER. A map will appear showing red markers.

- **One Million Tweet Map:** View world latest one million tweets on a map.

- **Qtr Tweets:** Allows you to find all tweets within a specific distance from the target location on map, you can also search for keywords and filter the results according to a predefined criterion like: tweets with images and tweets with non-location data.

- **Tweet Map:** Visualize all tweets on a global map, click over the points -which represent tweets- to read tweet content. You can also see top hash tags and tweets and search for them.

- **Periscope map:** Shows Twitter periscope live videos on world map.

Other Geo-Location Social Media Tools

- **Strava Heat Map:** This is a performance measurement sporting App for athletics; it works by monitoring athletic activities through the GPS sensor existed within their smartphone (supports Apple and Android) or any other supported devices. Strava heat map shows 'heat' made by aggregated, public activities over the last two years, this map is updated monthly.

Transport Tracking

Air Movements

- **Flight Aware**: This company is considered the largest flight tracking data company in the world, it offers its flight tracking service free of charges for both private and commercial air traffic.

- **Flight Radar 24**: Offer international real-time civilian flight tracking service, it tracks over 150000 flights per day and has the ability to track specific types of military jets (Like Russian and NATO jets) in some regions.

- **Air Cargo Tracker**: Track air cargo for 190 airlines, you need to supply the Air cargo number to track the plane. The site also lists Airline code, Airline prefixes and Airport codes.

- **Radar Box 24**: International airplane tracker.

- **PlaneFinder**

- **World Aircrafts Database**

Maritime Movements

- **Marine Traffic**

- **Container Tracking**: Track containers for 125 companies, you need to supply the container number only.

- **Vessel Finder**

- **Cruise Mapper**

- **Ship Finder**

- Container prefix list

- The international identification codes of container owners (BIC Codes)

- International port code

Vehicles and Railway

- ASM: Real time train tracking across the USA.

- Train Time:Live map of London underground trains.

- Aprs

Package Tracking

- After Ship: Track 447 couriers worldwide. Just enter the package number and it will automatically detect the courier company.

- Tracking EX: Track 235 courier.

- 17 Track: Package tracking service.

- Package trackr: Track global couriers and visualize the delivery path with Google Maps.

- Boxoh: Package tracking service for USPS, UPS, FedEx, DHL/AirBorne.

- Canada Post

- Royal Mail

Webcams

- **World web cam search**: Display -available- webcams from around the world on a Google map.
- **Earth Cam**: Live streaming webcam from different places around the globe.
- Fisgonia
- World Cam
- UM Weather
- Opentopia
- Mila
- Google Hacking Database (GHDB) Available WebCams

Technical Footprinting

Website history

- Internet Archive (Wayback Machine)
- Cached pages:Show previous websites capture on three different archive websites (Google cache, Coral, Archive.org).
- **Way backpac (Tool)**: This is a tool that allows you to download the entire Wayback Machine archive for a given web page.
- Screenshot
- Library of Congress

- UK web archive

- Stanford Web Archive Portal

- oldweb.today:Retrieve archived web pages from the different public internet archive. You can also display archived websites using different web browsers.

- UK Government web archive

Website monitoring services

Alert services

- Google alert

- Talk walker

- Visual ping

- Follow that page

- Watch that page

- Update Scanner:A Firefox extension that Monitors web pages for updates.

RSS Tools And Services

- RSSOwl

Websites mirroring tools

- HTTrack: Copy website for offline view.

- **GNU Wget**: Retrieve files using HTTP, HTTPS, FTP and FTPS internet protocols.
- **BlackWidow**: Download complete site or part of it and can download any kind of files- including YouTube videos embedded within it.

Link extractor

- Link Extractor
- Free URL Extractor
- **Link Gopher**: This is a Firefox add-on that extracts all links from web pages, including the embedded one and display them in a new web page.

Check target website backlinks

- To see all linked websites to a specific domain name, type the following in Google: **site:* darknessgate.com (There should be a space between the asterisk and the domain name).**

Identify technologies used

- **Built with**: Give detailed technical information about the technology used to build target website.
- Wappalyzer
- **dnslytics**: To Find domains sharing the same Google Analytics ID.

IT devices Default Credentials

- CIRT

- Default password

- Default Password Lookup

- Router Passwords

- Open Sez Me!

- Hashes

Vulnerabilities Database

- Exploit Database

- Packet Storm

- Security Focus

- National Vulnerability Database

- CVE Details

- CVE

- 0day

- Secunia Research

Web Scraping Tools

- Common Crawl: maintain an open repository of web crawl data that can be accessed and analyzed by anyone.

- **theHarvester:** This is a tool for gathering subdomain names, e-mail addresses, virtual hosts, open ports/ banners, and employee names from different public sources like: Google, Bing, LinkedIn, Twitter, Yahoo, pgp and more.

- **Web data extractor (Commercial Application):** Collect various data types including URLs, phone and fax numbers, email addresses, as well as meta tag information and body text.

- **80legs:** (Commercial) Web Scraping Tools and Cloud-Based Web Crawling.

- **agenty:** Cloud-based agents for data scraping, text extraction, ocr, categorization, change detection, sentiment analysis and more…

- **Anthracite:** is a collection of Web mining power tools combined in an easy-to-use graphical environment that lets users quickly and seamlessly extract data from Internet sources, modify it to suit their needs, and export it to templates or databases, e.g. for RSS feeds.

- **apify:** is a web scraping and automation platform for developers.

- **artoo.js:** is a piece of JavaScript code meant to be run in your browser's console to provide you with some scraping utilities.

- **scrapy:** An open source and collaborative framework for extracting the data you need from websites.

- datatoolbar

- DEiXTo

- datasift

- Email extractor

Website certification search

- Censys

- Certificate Search

Statistics & analytics Tools

- Alexa
- Moon Search
- Spy On Web
- W3bin
- Visual Site Mapper
- Site Liner
- Clear web stats
- Website outlook
- Informer
- Security headers

Website Reputation Checker

- Threat Miner
- Urlquery
- URLVoid
- Threat Crowd
- Reputation authority

- Sucuri SiteCheck

- Joe Sandbox

- Safe Browsing

- abuse.ch ZeuS domain blocklist

- Malware domain blacklist

- MalwareURL

- Scumware

WHOIS Lookup

- ICANN

- AFRINIC

- APNIC

- LACNIC

- Domain History

- Domain Big Data

- Whoisology

- Robtext

- Who

- Revrse

- Operative Framework

- URL Scan

Subdomain Discovery

- Using Google search operator:Type site:target.com -inurl:www and Google will show all related subdomain names of the target. **Example:**site:yahoo.com -inurl:www

- Virus Total

- DNSdumpster

- Dnsmap

- Gobuster

- Bluto

- PentTest Tools

- Sublist3r

- Amass: In-depth subdomain enumeration written in Go.

- SecurityTrails: Sub-domain discovery and different online footprinting tests (associated domains, IPs, and SSL)

IP address tracking

IP Geolocation information

- IPverse

- IP2Location

- Ipfingerprints

- DB-IP

- IPINTEL

- IP Location

- UTrace

Information about IP (Internet Protocol)

- Onyphe

- CIDR REPORT for IPv4

- IP to ASN

- Reverse DNS Lookup

- Reverse IP lookup

- Same IP

- CIDR REPORT for IPv6

- IP Address Tools

- ExoneraTor

BGP (Border Gateway Protocol)

- BGP4

- Hurricane Electric BGP Toolkit

- BGP Ranking

- BGP Stream: Show Global map of alerts about hijacks, leaks, and outages in the Border Gateway Protocol.

Blacklist IP addresses

- Block List

- FireHOL

- Directory of Malicious IPs

OSINT TOOLS

🌐 keyword Research Tools

Search Engines

   🔍 General Search

   ➤ National Search Engines

   🐛 Privacy-oriented search engines

   🗄 Metadata Search Engines

   📂 FTP Search Engines

   📄 Files Search Engines

   🖼 Images Search Engines

   🎞 Video Search Engines

   ☰ Custom Search Engines

   ⚙ Internet Of Things (IoT) Search Engines

   ⬇ Exploits Search Engines

- 🖥 News/Newspaper Search
  - ✂ Fake News Detection

- 🔍 Specialized Search Engines
  - 🏍 Niche Search Engines
  - 🅑 Patent Search Engines

- 🏠 Web directories

- 🌐 Translation services

- 💼 Business Search
  - ⏳ Business Annual Records
  - 👥 Business Profiles

- 📖 Grey literature

- 🗂 Data Leak Websites

- ⚡ Pastebin Sites

- 💬 Social Media Intelligence
  - f Facebook
  - 🐦 Twitter
  - G+ Google+
  - in LinkedIn
  - 📷 Instagram
  - 🤖 Reddit

♥ Social Media Psychological Analysis

👥 People Search

  ⚥ General People Search Engines

  📇 Online Registries

  👤 User Name Check

  ✉ Email Search

  📞 Phone Number Search

  👤 Employee Profile Search

  👤 Dating Websites

💣 Terrorist Organizations

🏠 Government Records

  ☰ Vital Records

  ⚖ Criminal & Court Records

  🏢 Property Record

  ₿ Tax & Financial Records

  ||||| Social Security Number Search

  ✖ Other Public Records

📍 Online Map

  🗺 General Geospatial Research Tools

  ➤ Commercial Satellites

  ➤ Global Date/Time

- </> Vulnerabilities Database
- ↻ Web Scraping Tools
- 🪪 Website Certification Search
- ☰ Website Statistics & analytics Tools
- 🛒 Website Reputation Checker
- ✔ WHOIS Lookup
- ⊟ Subdomain Discovery
- ⛁ IP Address Tracking

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