

OSINT (Open Source Intelligence) – Complete Overview PT.I

Joas Antonio

About

- This is a book with multi-translations about OSINT, for those who want to acquire knowledge and improve themselves even more in the area.
- Esse é um livro com multi-traduções sobre OSINT, para aqueles que desejam adquirir conhecimentos e se aprimorar cada vez mais na área
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OSINT – Concepts and Types

Joas Antonio

O QUE É OSINT?

- **OSINT** (sigla para *Open source intelligence* ou Inteligência de Fontes Abertas) é o termo usado, principalmente em inglês, para descrever a [inteligência](#), no sentido de informações, como em [serviço de inteligência](#), obtida através dados disponíveis para o público em geral, como jornais, revistas científicas e emissões de TV. OSINT é uma das fontes de inteligência. É conhecimento produzido através de dados e informações disponíveis e acessíveis a qualquer pessoa.
- **Open Source Intelligence (OSINT)**. É um modelo de inteligência que visa encontrar, selecionar e adquirir informações de fontes públicas e analisá-las para que junto com outras fontes possam produzir um conhecimento. Na comunidade de inteligência (IC), o termo "aberto" refere-se a fontes disponíveis publicamente.
- As fases que abrangem a coleta especializada segundo fontes e meios utilizados para a obtenção das informações englobam basicamente quatro técnicas. Convencionalmente separadas em três de cunho sigiloso e uma de natureza ostensiva. Nos países centrais, cerca de 80 a 90% dos investimentos governamentais na área de Inteligência são absorvidos por este estágio do ciclo. Os trabalhos acadêmicos que versam sobre Inteligência definem as técnicas de coleta através de acrônimos derivados do uso norte-americano: HUMINT (Inteligência de fontes humanas), SIGINT (Inteligência de sinais), IMINT (Inteligência de imagens) e OSINT (Inteligência de fontes abertas).

WHAT IS OSINT?

- OSINT (acronym for Open Source Intelligence) is the term used, mainly in English, to describe intelligence, in the sense of information, such as in an intelligence service, obtained through data available to the general public, such as newspapers., magazines and TV independents. OSINT is one of the sources of intelligence. It is known from data and information available and obtained to anyone.
- Open Source Intelligence (OSINT). It is an intelligence model that aims to find, select and acquire information from public sources and analyze them so that, together with other sources, it produces knowledge. In the intelligence (IC) community, the term "open" refers to publicly available sources.
- The phases that cover the specialized collection according to sources and means used to obtain information from the information basically comprise four techniques. Conventionally separated into three of a secret nature and one of an overt nature. In countries, around 80 to 90% of government investments in the field of Intelligence are absorbed by this stage of the cycle. Scholarly works on Intelligence define collection techniques using acronyms derived from North American usage: HUMINT (Human Source Intelligence), SIGINT (Signal Intelligence), IMINT (Image Intelligence) and OSINT (Open Source Intelligence))

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O QUE É HUMINT?

- HUMINT (do inglês Human Intelligence) é o termo usado, principalmente em inglês, para descrever a inteligência, no sentido de informações (como em serviço de inteligência ou serviço de informações) obtidas por meio de seres humanos, como os espiões tradicionais.
- Historicamente, HUMINT é a maior fonte de informação dos serviços secretos, porém desde o advento das telecomunicações a SIGINT foi assumindo o papel de principal fonte e acabou por tornar-se mais importante.
- A HUMINT (Human Intelligence) é a inteligência de fontes humanas, como declarações e depoimentos de pessoas durante entrevistas, sob qualquer história-cobertura ou pretexto. A HUMINT é a mais antiga fonte de inteligência e permanece como a mais eficaz, não pela quantidade de dados e informações, mas, por sua precisão e oportunidade. O Capítulo XIII O emprego de espiões de A Arte da Guerra do general Sun Tzu descreve várias categorias de espiões; todos, porém, são fontes humanas de inteligência.[

O QUE É HUMINT?

- As fontes de **HUMINT** não são necessariamente apenas agentes envolvidos em ações clandestinas ou secretas. As pessoas fornecendo as informações podem ser neutras, amigas ou hostis (em relação a um país). Exemplos típicos de **HUMINT** incluem:
- Forças amigas (patrulhas, polícia militar)
- Prisioneiros de Guerra
- Refugiados
- Civis
- Desertores
- Organizações não governamentais ([ONGs](#))
- Jornalistas

WHAT IS HUMINT?

- HUMINT (from English Human Intelligence) is the term used, mainly in English, to describe intelligence, in the sense of information (as in intelligence service or intelligence service) complements through human beings, like traditional spies.
- Historically, HUMINT is the biggest source of intelligence for the secret services, but since the advent of telecommunications, SIGINT has assumed the role of main source and has become more important.
- HUMINT (Human Intelligence) is the intelligence of human sources, such as statements and statements from people during description, under any cover story or pretext. HUMINT is the oldest source of intelligence and persistent as the most effective, not because of the amount of data and information, but because of its need and opportunity. Chapter XIII Spy Employment of General Sun Tzu's The Art of War classes several categories of spies; all, however, are human sources of intelligence.

WHAT IS HUMINT?

- HUMINT's sources are not necessarily just agents involved in clandestine or covert actions. The people providing the information can be neutral, friendly or hostile (toward a country). Typical examples of HUMINT include:
 - Friendly forces (patrols, military police)
 - prisoners of war
 - Refugees
 - civilians
 - deserters
 - Non-Governmental Organizations (NGOs)
 - Journalists

O QUE É IMINT?

- **Inteligência de imagens** (**IMINT**), pronunciada como *Im-Int* ou *I-Mint*, é uma [disciplina de coleta de inteligência](#) em que as [imagens](#) são analisadas (ou "exploradas") para identificar [informações de valor de inteligência](#). ^[1] Imagens usadas para fins de [inteligência de defesa](#) geralmente são coletadas por meio de [imagens de satélite](#) ou [fotografia aérea](#).
- Como uma disciplina de coleta de inteligência, a produção IMINT depende muito de um sistema robusto de [gerenciamento de coleta de inteligência](#). O IMINT é complementado por [sensores](#) eletro-ópticos e de radar [MASINT](#) sem imagem. ^[2]

WHAT IS IMINT?

- **Imagery intelligence (IMINT)**, pronounced as either as *Im-Int* or *I-Mint*, is an [intelligence gathering discipline](#) wherein [imagery](#) is analyzed (or "exploited") to identify [information of intelligence value](#).^[1] Imagery used for [defence intelligence](#) purposes is generally collected via [satellite imagery](#) or [aerial photography](#).
- As an intelligence gathering discipline, IMINT production depends heavily upon a robust [intelligence collection management system](#). IMINT is complemented by non-imaging [MASINT](#) electro-optical and radar sensors.^[2]

O QUE É SIGINT?

- **SIGINT** (acrônimo de *signals intelligence*) é o termo inglês usado para descrever a atividade da coleta de informações ou inteligência através da interceptação de sinais de comunicação entre pessoas ou máquinas.
- O nascimento da SIGINT em um senso moderno data da [Guerra Russo-Japonesa](#) de 1904~1905. Conforme a esquadra russa preparava-se para o conflito com o Japão em 1904, o navio britânico [HMS Diana](#) estacionado no [Canal de Suez](#) interceptou sinal sem-fio da marinha russa, destinados para a mobilização dos navios da esquadra; esta foi a primeira vez que algo do tipo ocorreu.^[1]

Subdisciplinas

- SIGINT tem as seguintes sub-categorias:
- [COMINT](#), abreviatura de *communications intelligence*, focado nas comunicações humanas
- [ELINT](#), abreviatura de *electronic intelligence*. focado no uso de sensores para obter dados principalmente sobre a rede de defesa inimiga, como alcance de radares.
- [FISINT](#), sigla para *foreign instrumentation intelligence*, focado em comunicações não humanas, como telemetria de mísseis.
- Muitas vezes as atividades de COMINT são descritas como SIGINT, o que pode causar confusão.

WHAT IS SIGINT?

- SIGINT is the English term used to describe the activity of gathering information or intelligence by intercepting communication signals between people or machines.
- The birth of SIGINT in a modern sense dates back to the Russo-Japanese War of 1904 ~ 1905. As the Russian fleet prepared for conflict with Japan in 1904, the British ship HMS Diana parked in the Suez Canal intercepted wireless signals from the Russian navy, assistance for the mobilization of fleet ships; this was the first time something like that had happened. [1]

Subdisciplines

- SIGINT has the following sub-categories:
- COMINT, short for intelligence communications, focused on human communications
- ELINT, abbreviation for electronic intelligence. focused on using sensors to obtain data primarily about the enemy's defense network, such as radar range.
- FISINT, an acronym for Foreign Instrumentation Intelligence, focused on non-human communications such as missile telemetry.
- Often COMINT activities are the same as SIGINT, which can cause confusion.

TYPES

- [HUMINT](#)
- [MASINT](#)
- [OSINT](#)
- [COMINT](#)
- [ELINT](#)
- [FISINT](#)
- [SIGINT](#)
- [IMINT tactical imagery intelligence](#)
- <https://irp.fas.org/nsa/ioss/threat96/part02.htm#:~:text=These%20disciplines%20include%20human%20intelligence,United%20States%20to%20some%20degree.>
- <https://usnwc.libguides.com/c.php?g=494120&p=3381426>

DOXING

- Doxing (sometimes written as Doxxing) is the act of revealing identifying information about someone online, such as their real name, home address, workplace, phone, financial, and other personal information. That information is then circulated to the public — without the victim's permission.
- While the practice of revealing personal information without one's consent predates the internet, the term (**term?**) doxing first emerged in the world of online hackers in the 1990s, where anonymity was considered sacred. Feuds between rival hackers would sometimes lead to someone deciding to "drop docs" on somebody else, who had previously only been known as a username or alias. "Docs" became "dox" and eventually became a verb by itself (i.e., without the prefix "drop").
- The definition of doxing has expanded beyond the hacker world community and now refers to personal information exposure. While the term is still used to describe the unmasking of anonymous users, that aspect has become less relevant today when most of us are using our real names in social media.

DOXING

- Recently, doxing has become a tool in the culture wars, with rival hackers doxing those who hold opposing views the opposite side. Doxers aim to escalate their conflict with targets from online to the real world, by revealing information which includes:
- Home addresses
- Workplace details
- Personal phone numbers
- Social security numbers
- Bank account or credit card information
- Private correspondence
- Criminal history
- Personal photos
- Embarrassing personal details

DOXING

- Doxing (às vezes escrito como Doxxing) é o ato de revelar informações de identificação on-line sobre alguém, como nome real, endereço residencial, local de trabalho, telefone, informações financeiras e outras informações pessoais. Essa informação é então distribuída ao público - sem a permissão da vítima.
- Embora a prática de revelar informações pessoais sem o consentimento de alguém seja anterior à internet, o termo (**termo?**) Doxing surgiu pela primeira vez no mundo dos hackers online na década de 1990, onde o anonimato era considerado sagrado. Brigas entre hackers rivais às vezes levavam a alguém a decidir "largar documentos" de outra pessoa, que antes era conhecida apenas como nome de usuário ou apelido. "Docs" tornou-se "dox" e eventualmente tornou-se um verbo por si só (ou seja, sem o prefixo "drop").
- A definição de doxing se expandiu para além da comunidade mundial de hackers e agora se refere à exposição de informações pessoais. Embora o termo ainda seja usado para descrever o desmascaramento de usuários anônimos, esse aspecto se tornou menos relevante hoje, quando a maioria de nós está usando nossos nomes reais nas redes sociais.

DOXING

- Recentemente, doxing se tornou uma ferramenta nas guerras culturais, com hackers rivais doxing aqueles que têm pontos de vista opostos do lado oposto. Os Doxers pretendem escalar o seu conflito com alvos do mundo online para o mundo real, revelando informações que incluem:
- Endereços residenciais
- Detalhes do local de trabalho
- Números de telefone pessoais
- Números de previdência social
- Informações de conta bancária ou cartão de crédito
- Correspondência privada
- Historia criminal
- Fotos pessoais
- Detalhes pessoais embaraçosos

DATA TYPES

- A significant proportion of the data collected during an open source investigation will have an unstructured format or at best may be semi-structured. Structured data is data that is highly organised such as data held in typical relational databases with an underlying data model that describes each table, field and the relationships between them. Unstructured data is the exact opposite of this: It has no data model defined up-front and no prerequisite organisational structure. Unstructured data may typically include the content of web pages, books, audio, video and other files not easily read or interpreted by machines. Analysing unstructured data relies heavily on natural language processing (which is discussed in the next section) as well as image processing. Between structured and unstructured data is semi-structured data, also sometimes called ‘self-describing data’. This type of data is particularly representative of the type of information accessible through the web such as the type of data available through RESTful APIs (e.g. Twitter). However, even within these services we may find that they contain fields which allow the inclusion of free text, images, video and audio which are notoriously difficult to process automatically and extract information about the content.

DATA TYPES

- Uma proporção significativa dos dados coletados durante uma investigação de código aberto terá um formato não estruturado ou, na melhor das hipóteses, semiestruturado. Dados estruturados são dados altamente organizados, como dados mantidos em bancos de dados relacionais típicos com um modelo de dados subjacente que descreve cada tabela, campo e as relações entre eles. Os dados não estruturados são exatamente o oposto disso: eles não têm um modelo de dados definido antecipadamente e nenhuma estrutura organizacional de pré-requisito. Dados não estruturados podem incluir tipicamente o conteúdo de páginas da web, livros, áudio, vídeo e outros arquivos que não são lidos ou interpretados facilmente por máquinas. A análise de dados não estruturados depende muito do processamento de linguagem natural (que é discutido na próxima seção), bem como do processamento de imagens. Entre dados estruturados e não estruturados estão os dados semiestruturados, também chamados de "dados autodescritivos". Este tipo de dados é particularmente representativo do tipo de informação acessível através da web, como o tipo de dados disponíveis através de APIs RESTful (por exemplo, Twitter). No entanto, mesmo dentro desses serviços, podemos descobrir que eles contêm campos que permitem a inclusão de texto, imagens, vídeo e áudio livres que são notoriamente difíceis de processar automaticamente e extrair informações sobre o conteúdo.

WEB CRAWLING AND SPIDERS

- Sometimes a manual search is too time consuming, requires too many (human) resources and the result set is too wide for individuals to trawl through checking one site, the next and then the next until they find the information they are looking for following from link to link to link. Setting up a web crawler, sometimes called spider, automates this process by following these links, either indiscriminately or according to some pre-determined rules.
- Web crawlers usually start with a number of initial seed URLs from which the crawler will begin. The crawler then scans the page, if required downloads the content, identifies new URLs on that page and then proceeds to navigate to those URLs and repeats the process. Web crawlers can be set up to follow a depth or a breadth first search pattern. Generally, following a breadth-first search, bounded by a specific number of levels is likely to achieve slightly better results as it constrains the crawler to being closer to the initial list of URLs. Further restrictions can be put on crawlers such as restricting them to a specific list of domains, ensuring that crawlers obey the robots.txt file and limiting the types of links that can be followed, for example, ignoring links that navigate to JavaScript or other non-HTML files. Additionally, if a seed URL is identified with content which is likely to change over time, it may be prudent to have the crawl re-run itself at specific intervals in time. Depending on the type of content this could be as often as once an hour up to just once a month or less. If this data collection is time-stamped it will also provide a good opportunity to explore how specific data changes over time. Web crawlers provide a good starting point for an OSINT investigation if the investigator knows that there is a significant amount of information on the web about the subject they are interested in, but they do not have the time to follow links manually or read each page to identify whether it is relevant or not. Teaming up a web crawler with a processor that identifies whether or not a page is going to be relevant is also a good way to reduce the result set and exclude links that have little. First two layers of pages found from a web crawl starting from the URL osintblog.org 6 Acquisition and

Preparation of Data for OSINT Investigations 75 content related to the initial search. Techniques such as categorisation and information extraction can help in identifying whether a page may be useful or not to an investigator

WEB CRAWLING AND SPIDERS

- Às vezes, uma pesquisa manual consome muito tempo, requer muitos recursos (humanos) e o conjunto de resultados é muito amplo para os indivíduos verificarem um site, o próximo e depois o próximo até encontrarem as informações que procuram seguindo no link para link para link. Configurar um web crawler, às vezes chamado de spider, automatiza esse processo seguindo esses links, seja indiscriminadamente ou de acordo com algumas regras pré-determinadas.
- Os rastreadores da Web geralmente começam com uma série de URLs iniciais a partir dos quais o rastreador começará. Em seguida, o rastreador examina a página, se necessário, baixa o conteúdo, identifica novos URLs nessa página e, a seguir, navega para esses URLs e repete o processo. Os rastreadores da Web podem ser configurados para seguir um padrão de pesquisa em profundidade ou amplitude. Geralmente, seguir uma pesquisa abrangente, limitada por um número específico de níveis, provavelmente obterá resultados um pouco melhores, pois restringe o rastreador a estar mais próximo da lista inicial de URLs. Outras restrições podem ser colocadas em rastreadores, como restringi-los a uma lista específica de domínios, garantindo que os rastreadores obejam ao arquivo robots.txt e limitando os tipos de links que podem ser seguidos, por exemplo, ignorando links que navegam para JavaScript ou outro não -Arquivos HTML. Além disso, se um URL inicial for identificado com conteúdo que provavelmente mudará com o tempo, pode ser prudente fazer o rastreamento ser executado novamente em intervalos de tempo específicos. Dependendo do tipo de conteúdo, isso pode ser de uma vez por hora até apenas uma vez por mês ou menos. Se essa coleta de dados tiver registro de data e hora, também será uma boa oportunidade para explorar como dados específicos mudam ao longo do tempo. Os rastreadores da web fornecem um bom ponto de partida para uma investigação OSINT se o investigador souber que há uma quantidade significativa de informações na web sobre o assunto no qual estão interessados, mas não têm tempo para seguir os links manualmente ou ler cada página para identificar se é relevante ou não. Associar um rastreador da web a um processador que identifica se uma página será ou não relevante também é uma boa maneira de reduzir o conjunto de resultados e excluir links que têm poucos. As duas primeiras camadas de páginas encontradas em um rastreamento da web a partir do URL osintblog.org 6 Aquisição e preparação de dados para investigações OSINT 75 conteúdo relacionado à pesquisa inicial. Técnicas como categorização e extração de informações podem ajudar a identificar se uma página pode ser útil ou não para um investigador

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TYPES DATA ANALYSIS

- A theme surrounding the analysis of open source data is the prevalence of data in an unstructured textual format. The previous chapter discussed some initial methods such as entity extraction, event detection and entity-relationship modelling as a way to begin to move from unstructured data into something more structured. This section will look at some alternative methods of text analysis as well as methods that can take this analysis alongside entity extraction and use it either as a form of intelligence itself or as a product that can be used for further analysis or visualisation. Despite the importance of text based sources, they are not the whole of OSINT. There is also often a significant amount of other data such as times, dates, locations and other metadata that can be analysed, not mentioning the extensive amount of data that is contained in image, video and audio sources that is much harder to analyse. Perhaps the greater complexities in analysing such data may also then offer greater rewards due to fewer organisations with the capability to extract intelligence from such information

TYPES DATA ANALYSIS

- Um tema que envolve a análise de dados de código aberto é a prevalência de dados em um formato textual não estruturado. O capítulo anterior discutiu alguns métodos iniciais, como extração de entidade, detecção de eventos e modelagem de relacionamento entre entidades como uma maneira de começar a mover-se de dados não estruturados para algo mais estruturado. Esta seção examinará alguns métodos alternativos de análise de texto, bem como métodos que podem levar essa análise ao lado da extração de entidade e usá-la como uma forma de inteligência em si ou como um produto que pode ser usado para posterior análise ou visualização. Apesar da importância das fontes baseadas em texto, elas não são a totalidade do OSINT. Muitas vezes, há também uma quantidade significativa de outros dados, como horários, datas, locais e outros metadados que podem ser analisados, sem mencionar a grande quantidade de dados contidos em fontes de imagem, vídeo e áudio que são muito mais difíceis de analisar. Talvez as maiores complexidades na análise de tais dados também possam oferecer maiores recompensas devido ao menor número de organizações com a capacidade de extrair inteligência de tais informações

INFORMATION GATHERING TYPES

- OSINT sources can be collected using three main methods: passive, semipassive, and active. The usage of one in favor of another is dependent on the scenario in which the gathering process operates in addition to the type of data that you are interested in. The three gathering techniques are generally used to describe the ways in which footprinting works, in other words, acquiring technical information about target IT infrastructure (types of OS, network topology, server names, and so on). However, bear in mind that this book will teach you different techniques to collect OSINT intelligence, and technical footprinting is considered a kind of information gathering.

Passive Collection

- This is the most used type when collecting OSINT intelligence. Indeed, all OSINT intelligence methods should use passive collection because the main aim of OSINT gathering is to collect information about the target via publicly available resources only. In this type, your target knows nothing about your intelligence-collecting activities. This kind of search is highly anonymous and should be done secretly. From a technical perspective, this type of gathering reveals limited information about the target because you do not send any traffic (packets) to the target server—either directly or indirectly—and the main resources that you can gather are limited to archive information (mainly outdated information), unprotected files left on target servers, and content present on the target website.

Semipassive

- From a technical view, this type of gathering sends limited traffic to target servers to acquire general information about them. This traffic tries to resemble typical Internet traffic to avoid drawing any attention to your reconnaissance activities. In this way, you are not implementing in-depth investigation of the target's online resources, but only investigating lightly without launching any alarm on the target's side. Although this type of gathering is considered somehow anonymous, the target can know that there is reconnaissance happening if they investigate the issue (by checking the server or networking device logs). However, they should not be able to attribute it to the attacker's machine

INFORMATION GATHERING TYPES

Active Collection

- In this type, you interact directly with the system to gather intelligence about it. The target can become aware of the reconnaissance process since the person/entity collecting information will use advanced techniques to harvest technical data about the target IT infrastructure such as accessing open ports, scanning vulnerabilities (unpatched Windows systems), scanning web server applications, and more. This traffic will look like suspicious or malicious behavior and will leave traces on the target's intrusion detection system (IDS) or intrusion prevention system (IPS). Conducting social engineering attacks on the target is also considered a type of active information gathering. As we said earlier, active collection and semipassive collection are types of information gathering, but you usually do not use them in OSINT gathering. Passive collection is preferred because it can harvest information from public sources secretly, and this is the essence of OSINT.

INFORMATION GATHERING TYPES

As fontes OSINT podem ser coletadas usando três métodos principais: passivo, semipassivo e ativo. O uso de um em favor de outro depende do cenário em que o processo de coleta opera, além do tipo de dados em que você está interessado. As três técnicas de coleta são geralmente usadas para descrever as maneiras em que o footprinting funciona, em outras palavras, adquirir informações técnicas sobre a infraestrutura de TI de destino (tipos de sistema operacional, topologia de rede, nomes de servidor e assim por diante). No entanto, tenha em mente que este livro ensinará diferentes técnicas para coletar inteligência OSINT, e a pegada técnica é considerada um tipo de coleta de informações.

Coleção Passiva

Este é o tipo mais usado ao coletar inteligência OSINT. Na verdade, todos os métodos de inteligência OSINT devem usar coleta passiva porque o objetivo principal da coleta OSINT é coletar informações sobre o alvo apenas por meio de recursos disponíveis publicamente. Nesse tipo, seu alvo não sabe nada sobre suas atividades de coleta de inteligência. Esse tipo de pesquisa é altamente anônimo e deve ser feito em segredo. De uma perspectiva técnica, este tipo de coleta revela informações limitadas sobre o destino porque você não envia nenhum tráfego (pacotes) para o servidor de destino - seja direta ou indiretamente - e os principais recursos que você pode reunir são limitados a informações de arquivo (principalmente informações desatualizadas), arquivos desprotegidos deixados nos servidores de destino e conteúdo presente no site de destino.

Semipassivo

Do ponto de vista técnico, esse tipo de coleta envia tráfego limitado para servidores de destino para adquirir informações gerais sobre eles. Esse tráfego tenta se parecer com o tráfego típico da Internet para evitar chamar atenção para suas atividades de reconhecimento. Desta forma, você não está implementando uma investigação aprofundada dos recursos online do alvo, mas apenas investigando levemente, sem lançar qualquer alarme no lado do alvo. Embora esse tipo de coleta seja considerado de alguma forma anônimo, o alvo pode saber que há um reconhecimento acontecendo se ele investigar o problema (verificando o servidor ou os logs do dispositivo de rede). No entanto, eles não devem ser capazes de atribuir-lo à máquina do invasor

INFORMATION GATHERING TYPES

Coleção ativa

- Nesse tipo, você interage diretamente com o sistema para reunir informações sobre ele. O alvo pode ficar ciente do processo de reconhecimento, uma vez que a pessoa / entidade que coleta informações usará técnicas avançadas para coletar dados técnicos sobre a infraestrutura de TI de destino, como acesso a portas abertas, varredura de vulnerabilidades (sistemas Windows não corrigidos), varredura de aplicativos de servidor da web e muito mais . Este tráfego terá um comportamento suspeito ou malicioso e deixará rastros no sistema de detecção de intrusão (IDS) ou sistema de prevenção de intrusão (IPS) do alvo. Conduzir ataques de engenharia social no alvo também é considerado um tipo de coleta ativa de informações. Como dissemos antes, a coleta ativa e a coleta semipassiva são tipos de coleta de informações, mas você geralmente não as usa na coleta OSINT. A coleta passiva é preferida porque pode coletar informações de fontes públicas secretamente, e essa é a essência do OSINT.

BENEFITS OSINT

Benefits of OSINT In today's information age, no one can underestimate the vital role that OSINT plays in the different intelligence arenas. The benefits of OSINT span many areas in today's world. The following are the main ones:

- Less risky: Using publicly available information to collect intelligence has no risk compared with other forms of intelligence such as using spying satellites or using human sources on the ground to collect information, especially in hostile countries.
- Cost effective: Collecting OSINT is generally less expensive compared with other intelligence sources. For instance, using human sources or spying satellite to collect data is costly. Small businesses with limited intelligence budgets can exploit OSINT sources with minimal costs.
- Ease of accessibility: OSINT sources are always available, no matter where you are, and are always up-to-date. OSINT sources can be used by different parties in any intelligence context; all you need are the required skills/tools to harvest and analyze OSINT properly. For example, military departments can predict future attacks by analyzing activities on social networking sites, while corporations can use it to build their new market expansion strategies.

BENEFITS OSINT

Benefícios do OSINT Na era da informação de hoje, ninguém pode subestimar o papel vital que o OSINT desempenha nas diferentes arenas de inteligência. Os benefícios do OSINT abrangem muitas áreas do mundo de hoje. Os seguintes são os principais:

- Menos arriscado: o uso de informações publicamente disponíveis para coletar inteligência não apresenta riscos em comparação com outras formas de inteligência, como o uso de satélites de espionagem ou o uso de fontes humanas no terreno para coletar informações, especialmente em países hostis.
- Econômico: coletar OSINT geralmente é menos caro em comparação com outras fontes de inteligência. Por exemplo, usar fontes humanas ou espiões de satélite para coletar dados é caro. Pequenas empresas com orçamentos de inteligência limitados podem explorar fontes OSINT com custos mínimos.
- Facilidade de acessibilidade: as fontes OSINT estão sempre disponíveis, não importa onde você esteja, e sempre atualizadas. As fontes OSINT podem ser usadas por diferentes partes em qualquer contexto de inteligência; tudo que você precisa são as habilidades / ferramentas necessárias para colher e analisar OSINT de maneira adequada. Por exemplo, os departamentos militares podem prever ataques futuros analisando atividades em sites de redes sociais, enquanto as empresas podem usá-lo para construir suas novas estratégias de expansão de mercado.

BENEFITS OSINT

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GLOSSARY

abduct
abducted
abduction
abductions of
abductions of Japanese
abolish terrorist sanctuaries
access to building
access to port
access to school
access to weapons
abnormal incident
according to an official from
according to court record (s)
according to FAA records
according to information
according to investigative reports
according to officials
according to opinion polls
according to sources
according to those familiar with the situation
acid attack
acquiring information
acres burned
across border (s)
across half the state
across large parts
across the region
across state
act of terrorism
act of war
acted immediately
active in the region

active investigation
active mission (s)
active shooter
active shooter protocol
actively monitored
activity is likely
acts of terrorism perpetrated by
acts of violence
accused of
accused of having sex with a student
accused of smuggling
acute symptoms
acute symptoms from radiation exposure
adaptive enemy (ies)
adaptive tactics
additional security measure (s)
advance fee fraud
advanced encryption technology
advanced persistent threats
advanced threat
advanced threat analytics
adversary organizations
adversary's vulnerabilities
adverse weather conditions
advising against all travel
aerial assassinations
aerial attacks
aerial bomb
aerial bombardment
air campaign
aerial canopy
aerial firefighting
affected areas
affects drinking water
affiliated organizations
affray (UK)
Afghan lily pad
after a bomb exploded
after clash between

after knife attack
after the attack
after the massacre
after the shooting started
against U.S. interests
agency
agency outpost
agency recently disclosed
aggregate data
aggression
aggressor
agitator
agriculture safety
agriculture threat
agro terrorism
aid agencies
aid agencies report
air attack
air cargo threat
air controllers strike
air drop – fire
air marshal
air operations
air piracy
air rage
air sea battle
air show
air strike
air strikes
air tactical group supervisor
air traffic
air traffic cancellations
air traffic cancellations across Europe
air trafficking
air travel market
air tanker – f
aircraft
aircraft diverted
aircraft hijacking

airfield
airfreight transport
airplane
airline bomb threat
airport attack
airport evacuation
airport security
airport security checkpoints
airport security incidents
airspace
airspace surveillance
airspace violation
AK-47 assault rifle
alarm
alarm sounded
alarming statement (s)
all flights grounded
allegation (s) of
allegation (s) of fraud
alleged cyber-hacking
alleged members
alleged members of terrorist group
alleged plot
allegedly shot
allegedly stole proceeds
alert
alert for American citizens
alliance
allied foreign troops
allies
alligator attack
along border
along northern border
along southern border
along the bank
along the river
along the road
alternative chemicals
al Qaeda

Al-Qaeda
al-Qa'ida
al-Qaeda affiliated group
al-Qaeda attack
Al-Qaeda hit list
al-Qaeda leader
al Qaeda linked group
Al-Qaeda seizes
al-Qaeda training camp
amatol
ambush
ambushed him from
ambushed him from behind
American killed
American missing
American wounded
AMERIPOL
amid claims
amid confusion
amid fighting between
amid heightened tensions
ammonia nitrate
ammunition
Amtrak suspends
an autopsy conducted
an autopsy will be performed
anarchy
anarchists
anchor point – f
angles of security cameras
angry citizens
angry employees
angry locals
angry workers
anguish
animal health emergency
animal infected with
annihilate
announcement by the justice department

OSINT

OPEN SOURCE INTELLIGENCE GLOSSARY

GUIDE TO KEYWORDS, PHRASES FOR IMPROVED
INTERNET RESEARCH RESULTS

VOLUME ONE

NICHOLAS CROWDER

The Onion Router and Dark Web

Joas Antonio

What is TOR?

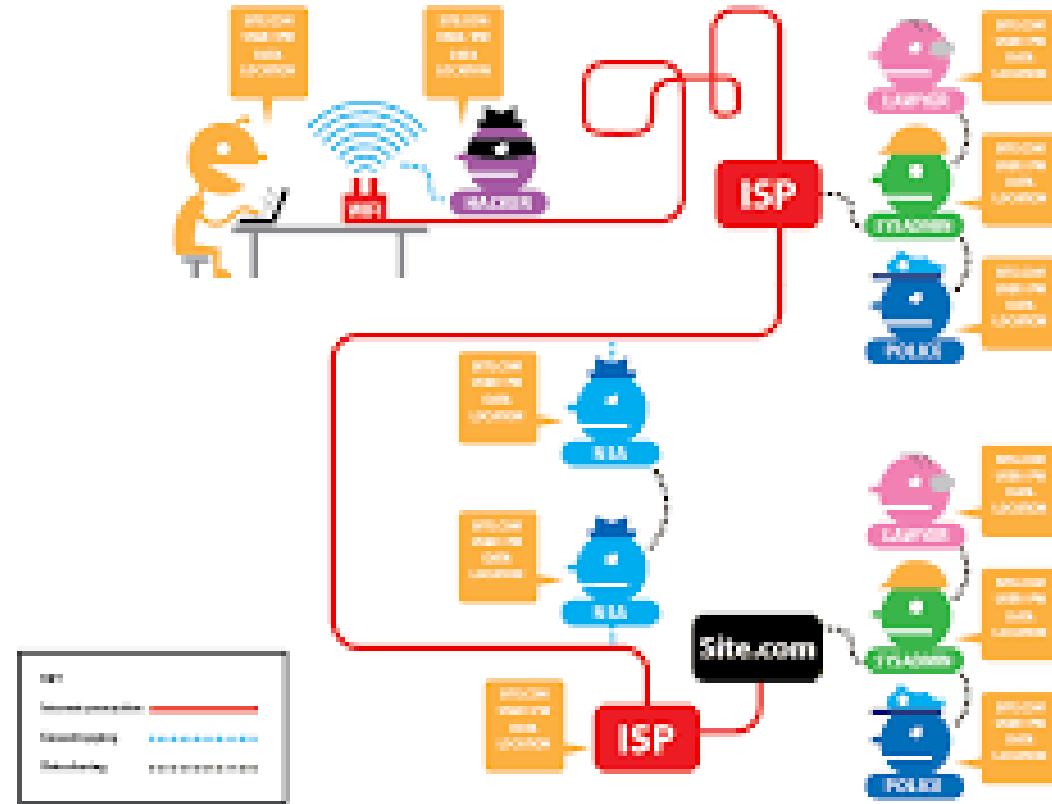
- <https://www.torproject.org/about/history/>
- In the 1990s, the lack of security on the internet and its ability to be used for tracking and surveillance was becoming clear, and in 1995, David Goldschlag, Mike Reed, and Paul Syverson at the U.S. Naval Research Lab (NRL) asked themselves if there was a way to create internet connections that don't reveal who is talking to whom, even to someone monitoring the network. Their answer was to create and deploy the first research designs and prototypes of onion routing.
- The goal of onion routing was to have a way to use the internet with as much privacy as possible, and the idea was to route traffic through multiple servers and encrypt it each step of the way. This is still a simple explanation for how Tor works today.
- In the early 2000s, Roger Dingledine, a recent [Massachusetts Institute of Technology \(MIT\)](#) graduate, began working on an NRL onion routing project with Paul Syverson. To distinguish this original work at NRL from other onion routing efforts that were starting to pop up elsewhere, Roger called the project Tor, which stood for The Onion Routing. Nick Mathewson, a classmate of Roger's at MIT, joined the project soon after.
- From its inception in the 1990s, onion routing was conceived to rely on a decentralized network. The network needed to be operated by entities with diverse interests and trust assumptions, and the software needed to be free and open to maximize transparency and decentralization. That's why in October 2002 when the Tor network was initially deployed, its code was released under a free and open software license. By the end of 2003, the network had about a dozen volunteer nodes, mostly in the U.S., plus one in Germany.

What is TOR?

- Recognizing the benefit of Tor to digital rights, the [Electronic Frontier Foundation \(EFF\)](#) began funding Roger's and Nick's work on Tor in 2004. In 2006, the Tor Project, Inc., a 501(c)(3) nonprofit organization, was founded to maintain Tor's development.
- In 2007, the organization began developing bridges to the Tor network to address censorship, such as the need to get around government firewalls, in order for its users to access the open web.
- Tor began gaining popularity among activists and tech-savvy users interested in privacy, but it was still difficult for less-technically savvy people to use, so starting in 2005, development of tools beyond just the Tor proxy began. Development of Tor Browser began in [2008](#).
- With Tor Browser having made Tor more accessible to everyday internet users and activists, Tor was an instrumental tool during the [Arab Spring](#) beginning in late 2010. It not only protected people's identity online but also allowed them to access critical resources, social media, and websites which were blocked.
- The need for tools safeguarding against mass surveillance became a mainstream concern thanks to the [Snowden revelations in 2013](#). Not only was Tor instrumental to Snowden's whistleblowing, but content of the documents also upheld assurances that, at that time, [Tor could not be cracked](#).
- People's awareness of tracking, surveillance, and censorship may have increased, but so has the prevalence of these hindrances to internet freedom. Today, the network has [thousands of relays](#) run by volunteers and millions of users worldwide. And it is this diversity that keeps Tor users safe.
- We, at the Tor Project, fight every day for everyone to have private access to an uncensored internet, and Tor has become the world's strongest tool for privacy and freedom online.
- But Tor is more than just software. It is a labor of love produced by an international community of people devoted to human rights. The Tor Project is [deeply committed](#) to transparency and the safety of its users.

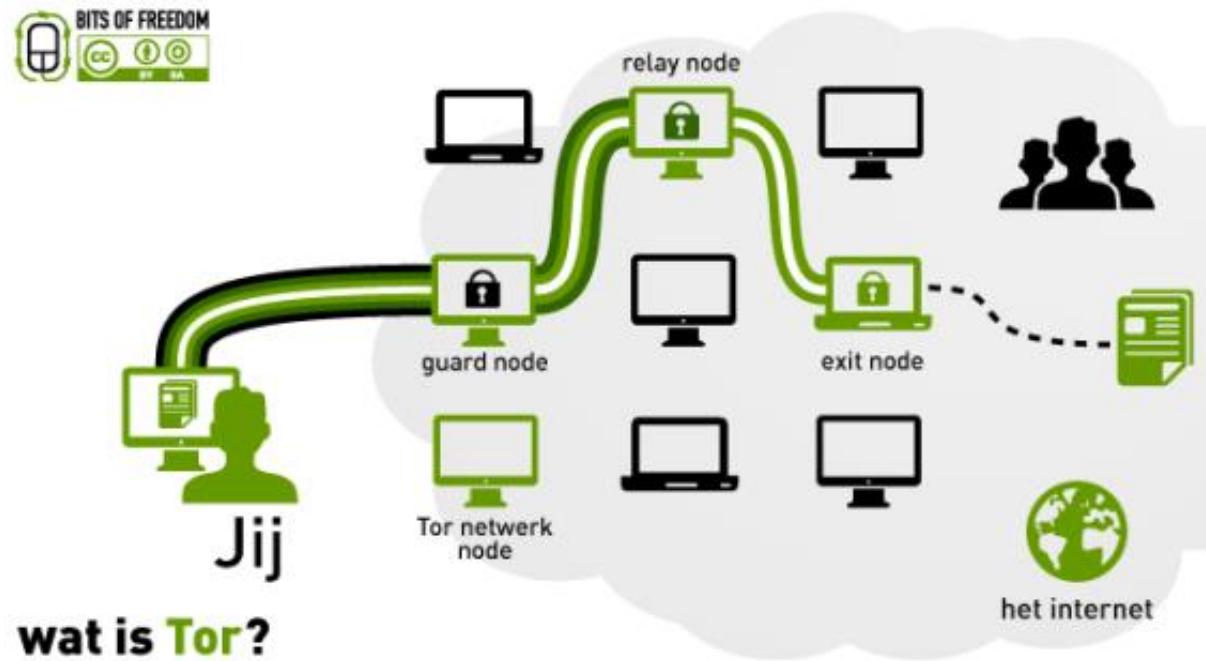
HOW TO WORK?

- <https://tb-manual.torproject.org/about>



HOW TO WORK?

- <https://tb-manual.torproject.org/about/>



BRIDGES

- <https://tb-manual.torproject.org/bridges/>

Bridge relays are Tor relays that are not listed in the public Tor directory. That means that ISPs or governments trying to block access to the Tor network can't simply block all bridges. Bridges are useful for Tor users under oppressive regimes, and for people who want an extra layer of security because they're worried somebody will recognize that they are contacting a public Tor relay IP address.

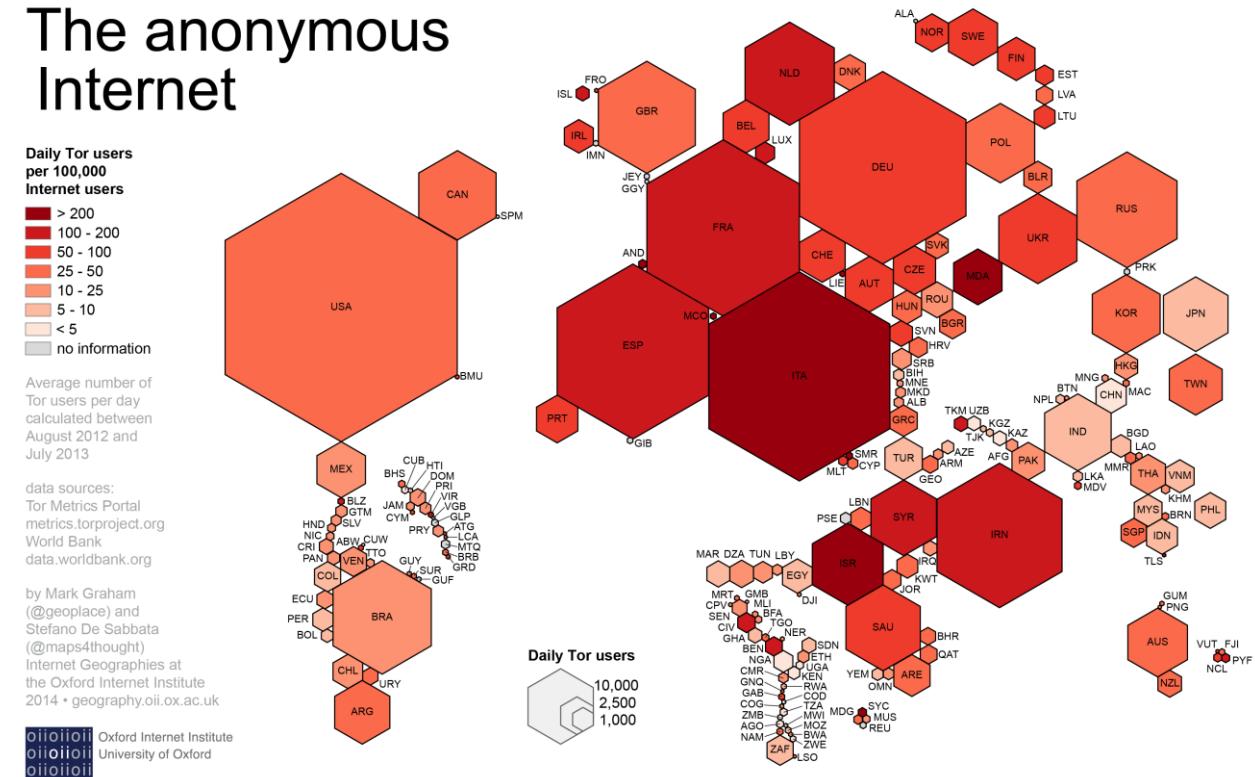
A bridge is just a normal relay with a slightly different configuration. See [How do I run a bridge](#) for instructions.

Several countries, including China and Iran, have found ways to detect and block connections to Tor bridges. [Obfsproxy](#) bridges address this by adding another layer of obfuscation. Setting up an obfsproxy bridge requires an additional software package and additional configurations. See our page on [pluggable transports](#) for more info.

<https://support.torproject.org/censorship/censorship-7/>

RELAYS

- <https://tb-manual.torproject.org/bridges/>



<https://community.torproject.org/relay/setup/bridge/>
<https://support.torproject.org/relay-operators/>
<https://medium.com/coinmonks/tor-nodes-explained-580808c29e2d>

MANAGING IDENTITIES

- <https://tb-manual.torproject.org/bridges/>

When you connect to a website, it is not only the operators of that website who can record information about your visit. Most websites now use numerous third-party services, including social networking “Like” buttons, analytics trackers, and advertising beacons, all of which can link your activity across different sites.

Using the Tor network stops observers from being able to discover your exact location and IP address, but even without this information they might be able to link different areas of your activity together. For this reason, Tor Browser includes some additional features that help you control what information can be tied to your identity.

<https://tb-manual.torproject.org/managing-identities/>

TOR Secure Connections

- <https://tb-manual.torproject.org/secure-connections/>
- <https://tb-manual.torproject.org/security-settings/>
- <https://www.vpnmentor.com/blog/tor-browser-work-related-using-vpn/>
- <https://portswigger.net/daily-swig/tor-security-everything-you-need-to-know-about-the-anonymity-network>
- <https://community.torproject.org/onion-services/advanced/https/>
- https://www.youtube.com/watch?v=9J0GUQhago&ab_channel=Techlore
- <https://thesafety.us/tor-browser-setup>
- <https://ssd.eff.org/en/module/how-use-tor-windows>
- <https://www.techradar.com/how-to/how-to-protect-your-privacy-online-with-tor-browser-improve-your-security-and-stay-anonymous>
- <https://www.theverge.com/2020/2/21/21138403/tor-privacy-tools-private-network-browser-settings-security>

Plugins Tor

- <https://tb-manual.torproject.org/pt-BR/plugins/>
- <https://tb-manual.torproject.org/plugins/>
- <https://support.torproject.org/tbb/tbb-14/>
- <https://tb-manual.torproject.org/pt-BR/circumvention/>

O acesso direto à rede Tor às vezes pode estar sendo bloqueado pelo seu provedor de Internet, ou pelo governo. O Navegador Tor tem incluídas algumas ferramentas de evasão para contornar esses bloqueios. Essas ferramentas são denominadas "transportes plugáveis".

Direct access to the Tor network can sometimes be blocked by your ISP, or the government. Tor Browser has included some evasion tools to bypass these locks. These tools are called "pluggable transports".

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Hops configuration

- <https://tor.stackexchange.com/questions/1312/how-to-decrease-number-of-tor-hops>
- <https://support.torproject.org/mis.../misc-11/>
- <https://stackoverflow.com/questions/11288148/tor-not-able-to-create-single-hop-circuit-one-hop-tunnel>
- [https://www.reddit.com/r/onions/comments/117fvh/questions about tor and traceroutesserver hops/](https://www.reddit.com/r/onions/comments/117fvh/questions_about_tor_and_traceroutesserver_hops/)
- <https://attack.mitre.org/techniques/T1090/003/>
- <https://github.com/moxie0/tortunnel>

TOR Tunnels

- <https://www.whonix.org/wiki/Tunnels/Introduction>
- https://www.reddit.com/r/TOR/comments/5zonjq/tunnel_tor_though_vpn/
- https://www.youtube.com/watch?v=USBaUj2pc2M&ab_channel=EasyPrivacy
- <https://superuser.com/questions/1133032/tunnel-tor-traffic-through-a-vpn>
- https://www.whonix.org/wiki/Transporting_UDP_Tunnels_over_Tor
- https://www.reddit.com/r/TOR/comments/lyzd2q/tor_relay_and_dslite_no_public_ipv4_tunnel/
-

TOR + Python

- <https://stackoverflow.com/questions/30286293/make-requests-using-python-over-tor>
- <https://sylvaindurand.org/use-tor-with-python/>
- https://www.youtube.com/watch?v=KDsmVH7eJCs&ab_channel=AcuteGaming
- https://www.youtube.com/watch?v=h7ib09qUnNQ&ab_channel=SATSifaction
- <https://medium.com/@jasonrigden/using-tor-with-the-python-request-library-79015b2606cb>
- <https://pypi.org/project/requests-tor/>

Onion Routing

Onion routing is a technique for [anonymous](#) communication over a [computer network](#). In an **onion network**, messages are encapsulated in layers of [encryption](#), analogous to layers of an [onion](#). The encrypted data is transmitted through a series of [network nodes](#) called **onion routers**, each of which "peels" away from a single layer, uncovering the data's next destination. When the final layer is decrypted, the message arrives at its destination. The sender remains anonymous because each intermediary knows only the location of the immediately preceding and following nodes.^[1] While onion routing provides a high level of security and anonymity, there are methods to break the anonymity of this technique, such as timing analysis.^[2]

https://en.wikipedia.org/wiki/Onion_routing

<https://www.onion-router.net/>

https://www.youtube.com/watch?v=QRYzre4bf7I&ab_channel=Computerphile

https://www.youtube.com/watch?v=gIkzx7-s2RU&ab_channel=HusseinNasser

Onion Routing

- <https://www.geeksforgeeks.org/onion-routing/>
- <https://www.sciencedirect.com/topics/computer-science/onion-router>
- <https://www.pcmag.com/encyclopedia/term/onion-routing>
- <https://www.onion-router.net/Publications/DISCEX-2000.pdf>
- <https://apps.dtic.mil/sti/pdfs/ADA465335.pdf>
- <https://community.torproject.org/onion-services/setup/>
- <https://www.coursera.org/lecture/security-and-privacy-in-tor-network/welcome-to-tor-networking-gUCiC>

DNS Configuration and Security

- <https://developers.cloudflare.com/1.1.1/other-ways-to-use-1.1.1/dns-over-tor>
- <https://2019.www.torproject.org/projects/tordnsel.html.en>
- <https://resources.infosecinstitute.com/topic/tor-part-2/>
- <https://nusenu.medium.com/who-controls-tors-dns-traffic-a74a7632e8ca>
- https://www.youtube.com/watch?v=LT1ICNPQLX8&ab_channel=YouTube
- <https://digitalcommons.usu.edu/cgi/viewcontent.cgi?article=5517&context=etd>
- <https://tor.stackexchange.com/questions/711/onion-domains-dns-lookup>
- <https://cdn.hackaday.io/files/1298555550240/Linux%20DNS%20Resolver%20for%20Onions.txt>
- <https://forum.opnsense.org/index.php?topic=15097.0>

Web Server Onion

- https://www.youtube.com/watch?v=GVMjk9pj2Cw&ab_channel=NullByte
- https://www.youtube.com/watch?v=QI3_DfjhMUQ&ab_channel=gnewlinux
- https://www.youtube.com/watch?v=4xFBE6pw1Rc&ab_channel=DASGeek
- <https://nordvpn.com/pt-br/blog/how-to-register-onion-domain/>
- <https://medium.com/axon-technologies/hosting-anonymous-website-on-tor-network-3a82394d7a01>
- <https://riseup.net/pt/security/network-security/tor/onionservices-best-practices>
- https://www.whonix.org/wiki/Onion_Services
- <https://www.makeuseof.com/tag/create-hidden-service-tor-site-set-anonymous-website-server/>
- <https://github.com/davidmoreno/onion>
- <https://github.com/DanWin/hosting>
- <https://github.com/OnionIoT/Onion-Sensor-Server>
- <https://github.com/DanWin/onion-link-list>

TOR Projects Community

- <https://github.com/Edu4rdSHL/tor-router>
- <https://github.com/ajvb/awesome-tor>
- <https://github.com/jeremy-jr-bentham/onion-browser-button>
- <https://github.com/Jesse-V/OnioNS-client>
- <https://github.com/torproject/manual>
- <https://github.com/ralphwetzel/theonionpack>
- <https://github.com/katmagic/Shallot>
-

TOR Proxy

- <https://www.techwalla.com/articles/how-to-use-tor-proxy>
- <https://tor.stackexchange.com/questions/6939/configure-tor-as-proxy>
- <https://www.tecmint.com/use-tor-network-in-web-browser/>
- https://www.youtube.com/watch?v=5iLCgRHp_2k&ab_channel=Thinknoodles
- https://www.youtube.com/watch?v=zf_eN7bqE8A&ab_channel=Proxy-SellerPrivateproxies
- https://www.youtube.com/watch?v=JXbIAx7UxNM&ab_channel=MakeTechEasier
- <https://www.avg.com/en/signal/vpn-vs-proxy-vs-tor>
- <https://www.avast.com/c-vpn-proxy-tor-which-is-best>
- <https://opensource.com/article/20/4/tor-proxy-raspberry-pi>

Whonix and Tails Configuration

- https://www.whonix.org/wiki/Configuration_Files
- https://www.whonix.org/wiki/Whonix-Gateway_System_DNS
- https://www.youtube.com/watch?v=y82TgJNiv0I&ab_channel=KnowledgesharingTech
- https://www.youtube.com/watch?v=2kHrmJoxsJI&ab_channel=LinuxVideoTutorials
- https://www.youtube.com/watch?v=wdirr08MkL4&ab_channel=Tunisiatuto
- https://www.youtube.com/watch?v=g8SzRhA8NXI&ab_channel=HackerSloit
- https://www.youtube.com/watch?v=T4Q0Mfo9lSc&ab_channel=SwitchedtoLinux
- https://www.youtube.com/watch?v=nRztIE_hRzM&ab_channel=KnowledgeSharingTech
- https://www.youtube.com/watch?v=Lopmyi6dZd0&ab_channel=%D8%A7%D9%84%D8%B3%D9%84%D8%B7%D8%A9%D8%A7%D9%84%D8%B3%D8%A7%D8%A8%D8%B9%D8%A9
- https://www.youtube.com/watch?v=ebIHjlrMFYo&ab_channel=Herbertech
- https://www.youtube.com/watch?v=eVp1qZ7HrE4&ab_channel=TheCryptoDad

TOR Vulnerability, bad-relays and Attacks

- https://www.cvedetails.com/vulnerability-list/vendor_id-12287/product_id-23219/Torproject-TOR.html
- <https://www.zdnet.com/article/multiple-tor-security-issues-disclosed-more-to-come/>
- <https://www.securityweek.com/tor-browser-patches-application-probing-vulnerability>
- <https://www.cs.utexas.edu/~ecprice/papers/tor.pdf>
- <https://security.stackexchange.com/questions/79438/can-a-malicious-tor-exit-node-perform-a-https-man-in-the-middle-attack-to-see-mo>
- <https://www.makeuseof.com/tor-exit-nodes-spying/>
- <https://www.schneier.com/blog/archives/2007/12/maninthemiddle.html>
- <https://gitlab.torproject.org/legacy/trac/-/wikis/doc/badRelays>
- <https://blog.1871.com/hacking-irl-what-mr.-robot-teaches-us-about-the-dark-web>
- <https://www.alctraining.com.au/staging/blog/the-realistic-tor-hack-of-mr-robot/>
- <https://tor.stackexchange.com/questions/8636/is-the-rons-coffee-tor-related-hack-technically-possible-in-episode-1x01-of-m>
- <https://www.zdnet.com/article/exploit-vendor-drops-tor-browser-zero-day-on-twitter/>
- <https://www.hackerfactor.com/blog/index.php?/archives/902-Tor-0day-Uniquely-Tracking-Computers.html>

TOR Block Connections and bypass

- <https://knowledgebase.paloaltonetworks.com/KCSArticleDetail?id=kA10g000000CIRtCAK>
- <https://kb.smoothwall.com/hc/en-us/articles/360002033490-Blocking-Tor-Using-Smoothwall-Filter-Firewall>
- <https://www.sonicwall.com/support/knowledge-base/how-to-block-websites-when-accessed-from-tor-browser/170505675183808/>
- https://www.youtube.com/watch?v=Qge3gQaQB1A&ab_channel=SystemZone
- <https://www.sonicwall.com/support/video-tutorials/how-to-block-tor-using-app-control-advanced-signatures/5413958973001/>
- <https://community.sophos.com/utm-firewall/f/network-protection-firewall-nat-qos-ips/38804/block-tor>
- <https://systemzone.net/how-to-block-tor-browser-with-mikrotik-router/>
- https://www.youtube.com/watch?v=qO8XsQiSKU&ab_channel=SafeerKadambadan
- <https://www.wikihow.com/Bypass-an-Internet-Filter-With-Tor>
- <https://tech.michaelaltfield.net/2018/02/22/bypassing-check-point-firewall-dpi-tor-blocking/>

Links Onion

- hxxp://marketojbwagqnwx[.]onion/ - Marketo
- hxxp://cuba4mp6ximo2zlo[.]onion/ - Cuba
- hxxp://gtmx56k4hutn3ikv[.]onion/ - Babuk Locker
- hxxp://ixltdyumdlthrtgx[.]onion/ - Hades
- hxxp://ransomocmou6mnbquqz44ewosbkjk3o5qjsl3orawojexfook2j7esad[.]onion/ - Everest
- hxxp://lockbit-blog[.]com/ - Lockbit
- hxxp://mountnewsokhwilx[.]onion/ - Mount Locker
- hxxp://wj3b2wtj7u2bzup75tzhns056bin6bnvsxcbwfcuvzpc4vcixbywlid[.]onion/ - Xinof - Raas (Login Required)
- hxxp://msaoyrayohnp32tcgwcanhjouetb5k54aekgnwg7dcvtgtecumrxpqd[.]onion/ - Prolock
- hxxp://nbzzb6sa6xuura2z[.]onion/ - Suncrypt
- hxxp://sekhmetleaks[.]top/ - Sekhmet
- hxxp://dnpscngaix6nkwwystl3yxglz7nteicqrou3t75tpcc5532cztc46qyd[.]onion/ - Revil
- hxxp://rnsm777cdsjsrsdlbs4v5qoeppu3px6sb2igmh53jzrx7ipcrbjz5b2ad[.]onion/ - Ransomexx (Defray777)
- hxxp://rgleaktxuey67yrgspmhvtnrqtgogur35lwdrup4d3igtbm3pupc4lyd[.]onion/ - Ragnar Locker

Links Onion 2

- hxxp://wobpitin77vdsdiswr43duntv6eqw4rvphedutpaxycjdie6gg3binad[.]onion/ - Ragnarok
- hxxp://p6o7m73ujalhgkiv[.]onion/ - Ragnar
- hxxp://wqmfzni2nvbbpk25[.]onion/partners.html - Pysa
- hxxp://rnfdsgm6wb6j6su5txkek4u4y47kp2eatvu7d6xhyn5cs4lt4pdrqqd[.]onion/blog - Netwalker
- hxxp://hxt254aygrsziejn[.]onion/ - Nefilim (Corporate Leaks)
- hxxps://mazenews[.]online/ - Maze-News
- hxxp://xfr3txoorcyy7tikjgj5dk3rvo3vsrpaxyxnlyohkbfp3h277ap4tiad[.]onion/ - Maze
- hxxp://egregoranrmzapcv[.]onion/ - Egregor
- hxxp://hpoo4dosa3x4ognfxpqcrjwnsigvslm7kv6hvmhh2yqczaxy3j6qnwad[.]onion/ - Dipple Paymer
- hxxp://darksidedxcftmqa[.]onion/ - Darkside
- hxxp://avaddongun7rngel[.]onion/ - Avaddon
- hxxp://37rckgo66iydpvgpwve7b2el5q2zhjw4tv4lmyewufnpx4lhkekxkoqd[.]onion/ - Ako (Ranzy)
- hxxp://htcltkjqoitnez5slo7fvhiou5lbno5bwczu7il2hmfpkowwdpj3q2yd[.]onion/ - Conti

Links Onion 3

- hxxp://continewsnv5otx5kaoje7krkto2qbu3gtqef22mnr7eaxw3y6ncz3a
d[.]onion/ - Conti-2
- hxxps://continews[.]best/ - Conti (Clear web)
- hxxp://fylszpcqfel7joif[.]onion/ - Conti-News (Ryuk)
- hxxp://ekbgzchl6x2ias37[.]onion/ - Clops
- hxxp://e6wzjohnxejirqa2sgridvymv2jxhrqdfuyxvoxp3xpqh7kr4kbwpwad[.]
onion/ - Tornode
- hxxp://no6m4wzdexe3auuiupv2zwif7rm6qwxcyhslkcnzisxgeiw6pvjsgafad[.]
onion/ - Submarine
- hxxp://gdarku42fzpyrfra[.]onion/gdark/search.php - GDark
- hxxp://phobosxilamwcg75xt22id7aywkzol6q6rfi2flipcqoc4e4ahima5id[.]on
ion/ - Phobos
- hxxp://dnmugu4755642434[.]onion/search - Kilos - Darknet Market Search
Engine
- hxxp://xssforumv3isucukbxhdhwz67hoa5e2voakcfkuieq4ch257vsburuid[.]
onion/ - XSS
- hxxp://ezdhgsy2aw7zg54z6dqsutrduhl22moami5zv2zt6urr6vub7gs6wfad[.]
onion/ - Def Con Forums
- hxxp://gerkipwhfuqeeizl[.]onion/ - Gerki_TOR
- hxxp://bcbm4y7yusdxthg3[.]onion/ - SkyFraud
- hxxp://l5b5ugkok5owt5w7xz7fvrvd75io2hvnao4c4gonidjmksyifwkdryd[.]
onion/ - DarkNetStreets

Links Onion 4

- hxxp://ucapoywa7wsbzlf5umrrdi2otooa5napma3r5s5ojysts46l5bic4gid[.]onion/ - FreedomForum
- hxxp://k5aintllrufq23khjnmmfli6uxioboe3ylcao7k72mk2bgvwqb5ek4ad[.]onion/ - TruthBoard
- hxxp://hsquad7ikj4ejivl7e52rdfcvtpqueqzu27wq273noeoil27y6kglxad[.]onion/ - Hack_Squad
- hxxp://pwndb2am4tzkvold[.]onion/ - pwndb
- hxxp://guardday6e5nxblpojbhmx5ws2avautr7eswu3qg7gynh52rh744anyd[.]onion/ - DarkGuard
- hxxp://torbox36ijlcevujx7mjb4oiusvwgvmue7jfn2cvutwa6kl6to3uyqad[.]onion/ - TORBOX
- hxxp://secmail63sex4dfw6h2nsrbmfz2z6alwxe4e3adtkpd4pcvkhh4jdad[.]onion/src/login.php - secMail - Darknet email
- hxxp://oq7t5ihk4qew5t5s4zghicigokh2ktt575amirsbnilmayawpme6xmyyd[.]onion/ - Elude
- hxxp://darkzzx4avcsuofgfez5zq75cqc4mprjvfqywo45dfcaxrwqg6qrlfid[.]onion/ - Darknetlive
- hxxps://protonirockerxow[.]onion/ - Protonmail (Onion)

OSINT ON THE DARKWEB

LEAs around the world, including all major UK police forces, are currently investigating darknets, primarily Tor and I2P. The existence of other darknets is known and they are also considered to be of investigative interest, but, given their popularity, Tor and I2P (and Tor in particular) are believed to be used by the majority of Dark Web criminals, and therefore offer LEAs the best opportunities for investigating Dark Web crime. This section first describes the (illegal) activities taking place on the Dark Web that are of interest to LEAs and then discusses the challenges faced by LEAs in gathering OSINT on the Dark Web.

OSINT ON THE DARKWEB

LEAs em todo o mundo, incluindo todas as principais forças policiais do Reino Unido, estão atualmente investigando darknets, principalmente Tor e I2P. A existência de outros darknets é conhecida e eles também são considerados de interesse investigativo, mas, dada sua popularidade, Tor e I2P (e Tor em particular) são considerados usados pela maioria dos criminosos Dark Web e, portanto, oferecem LEAs as melhores oportunidades para investigar crimes na Dark Web. Esta seção primeiro descreve as atividades (ilegais) que ocorrem na Dark Web que são de interesse para as LEAs e, em seguida, discute os desafios enfrentados pelas LEAs na coleta de OSINT na Dark Web.

OSINT TOOLS AND TECHNIQUES

Joas Antonio

OSINT THE DARKWEB

OSINT Techniques on the Dark Web Discovering, collecting and monitoring information are the most significant processes for OSINT. Several different techniques (i.e., advanced search engine querying and crawling, social media mining and monitoring, 8 OSINT and the Dark Web 123 restricted content access via cached results etc.) are applied to Surface Web for retrieving content of interest from the intelligence perspective. However, the distinctive nature of Dark Web, which requires special technical configuration for accessing it, while it also differentiates the way the network traffic is propagated for the sake of anonymity, dictates that the traditional OSINT techniques should be adapted to the rules, which govern the Dark Web. This section first discusses Web crawling techniques and search engine approaches for the Dark Web, and then examines the major strategies for traffic analysis and user de-anonymization

OSINT THE DARKWEB

Técnicas OSINT na Dark Web Descobrir, coletar e monitorar informações são os processos mais importantes para OSINT. Várias técnicas diferentes (ou seja, pesquisa e rastreamento de mecanismo de pesquisa avançado, mineração e monitoramento de mídia social, 8 OSINT e o acesso de conteúdo restrito do Dark Web 123 por meio de resultados em cache, etc.) são aplicadas ao Surface Web para recuperar conteúdo de interesse da perspectiva da inteligência. No entanto, a natureza distinta da Dark Web, que requer configuração técnica especial para acessá-la, ao mesmo tempo que diferencia a forma como o tráfego da rede é propagado em prol do anonimato, impõe que as técnicas tradicionais de OSINT sejam adaptadas às regras que regem a Dark Web. Esta seção discute primeiro as técnicas de rastreamento da Web e as abordagens do mecanismo de pesquisa para a Dark Web e, em seguida, examina as principais estratégias para análise de tráfego e anonimização do usuário

OSINT THE DARKWEB

https://www.youtube.com/watch?v=ywUxkvCK96w&ab_channel=SANS Cyber Defense

https://www.youtube.com/watch?v=C8um3JcCQuQ&ab_channel=CREST Videos

https://www.youtube.com/watch?v=eLL6BPKvwlg&ab_channel=SANS Institute

<https://www.osintcombine.com/post/dark-web-searching>

<https://www.skopenow.com/news/surface-deep-and-dark-web-osint-applications>

<https://github.com/apurvsinghgautam/dark-web-osint-tools>

<https://www.itu.int/en/ITU-D/Cybersecurity/Documents/CyberDrill-2020/How%20to%20conduct%20effective%20OSINT%20investigation%20online.pdf>

<https://medium.com/ax1al/weaponize-the-dark-web-for-osint-f94f019a65b4>

<https://www.springerprofessional.de/en/osint-and-the-dark-web/11970422>

<https://www.sans.org/presentations/osint-tools-for-diving-deep-dark-web/>

<https://mediasonar.com/webinars/intelligencex-osint-cyber-investigation/>

<https://springerprofessional.de/en/torbot-open-source-intelligence-tool-for-dark-web/17635082>

<https://sovsys.co/osint-dark-web-monitoring/>

<https://osinttraining.net/introduction-to-osint/the-clearnet-the-deep-web-and-the-dark-web/>

OSINT TOOLS

The main search engines used by users.

- [Advangle](#)
- [Aol](#)
- [Ask](#)
- [Bing](#)
- [DuckDuckGo](#) - an Internet search engine that emphasizes protecting searchers' privacy.
- [Gigablast](#)
- [Goodsearch](#)
- [Google Search](#) - Most popular search engine.
- [Instya](#)
- [Impersonal.me](#)
- [iSEEK Education](#)
- [ixquick](#)
- [Lycos](#)
- [Search.com](#)
- [SurfCanyon](#)
- [Teoma](#) - Teoma (from Scottish Gaelic teòma "expert") was an Internet search engine founded in April 2000 by Professor Apostolos Gerasoulis and his colleagues at Rutgers University in New Jersey.
- [Wolfram Alpha](#) - Wolfram Alpha is a computational knowledge engine (answer engine) developed by Wolfram Alpha. It will compute expert-level answers using Wolfram's breakthrough algorithms, knowledgebase and AI technology.
- [Yahoo! Search](#) -

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ Meta Search

Lesser known and used search engines.

- [All-in-One](#)
- [AllTheInternet](#)
- [Etools](#)
- [FaganFinder](#)
- [Goofram](#)
- [iZito](#)
- [Nextaris](#)
- [Metabear](#)
- [Myallsearch](#)
- [Qwant](#)
- [Sputtr](#)
- [Trovando](#)
- [WebOasis](#)
- [Zapmeta](#)
- [Swisscows](#)

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ Specialty Search Engines

Search engines for specific information or topics.

- 2lingual Search
- Biznar
- CiteSeerX
- Digle
- Google Custom Search
- Harmari (Unified Listings Search)
- Internet Archive
- Million Short
- WorldWideScience.org
- Zanran
- Intelligence X
- OCCRP Aleph
- Shodan
- Mamont
- GrayhatWarfare
- WIPO

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ Document and Slides Search

Search for data located on PDFs, Word documents, presentation slides, and more.

- Authorstream
- Find-pdf-doc
- Free Full PDF
- Offshore Leak Database
- PasteLert
- PDF Search Engine
- RECAP
- Scribd
- SlideShare
- Slideworld
- soPDF.com

↑ File Search

Search for all kind of files.

- FileChef
- File Search Engine
- de digger
- FilePursuit
- SearchFiles.de
- NAPALM FTP Indexer
- FileListing

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ Pastebins

Find information that has been uploaded to Pastebin & alternative pastebin-type sites

- PasteLert - PasteLert is a simple system to search pastebin.com and set up alerts (like google alerts) for pastebin.com entries.
- zerobin
- cl1p
- codepad
- controlc
- doxbin
- dpaste
- dpaste2
- dumpz
- Friendpast
- ghostbin
- hastebin
- heypasteit
- hpaste
- ideone
- ivpaste
- jsbin
- justpaste
- mysticpaste
- nopaste
- 0bin
- Obin
- paste.debian
- paste.ee
- paste.fedoraproject
- paste.frubar
- paste.kde
- paste.lisp

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

The screenshot shows a dark-themed GitHub repository page for "Awesome OSINT". The page is organized into two main sections:

- ↑ Code Search**: A section titled "Search by website source code" containing a list of tools:
 - AnalyzeID - Find Other Websites Owned By The Same Person
 - NerdyData - Search engine for source code.
 - SearchCode - Help find real world examples of functions, API's and libraries across 10+ sources.
 - grep.app
 - Reposearch
 - PublicWWW
- ↑ Major Social Networks**: A section titled "Major Social Networks" containing a list of platforms:
 - Draugiem (Latvia)
 - Facebook
 - Facenama (Iran)
 - Instagram
 - Linkedin
 - Mixi (Japan)
 - Odnoklassniki (Russia)
 - Pinterest
 - Ozone (China)
 - Reddit
 - Taringa (Latin America)
 - Tinder
 - Tumblr
 - Twitter
 - Weibo (China)
 - VKontakte
 - Xing

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ Real-Time Search, Social Media Search, and General Social Media Tools

- Audiense - Tool to identify relevant audience, discover actionable insights and inform strategies to grow your business.
- Bottlenose
- Brandwatch
- Buffer
- Buzz sumo - "Use our content insights to generate ideas, create high-performing content, monitor your performance and identify influencers."
- Geocreepy
- Geofeedia
- Hootsuite
- Hashtatit
- Klear
- Kred
- MustBePresent
- Netvibes
- OpinionCrawl
- Rival IQ.
- RSS Social Analyzer
- SocialBakers
- SociaBlade
- Social DownORNot
- Social Searcher
- Tagboard
- Trackur
- UVRX
- Mail.Ru Social Network Search
- Kribrum
- WATools
- Profil3r
- Oblivion

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

↑ **Username Check**

- [Check User Names](#)
- [Knowem](#) - Search for a username on over 500 popular social networks.
- [Name Chk](#)
- [Name Checkr](#)
- [Name Checkup](#)
- [Sherlock](#) - Search for a username in multiple platforms/websites.
- [User Search](#)
- [WhatsMyName](#)

↑ **People Investigations**

- [411 \(US\)](#) - Search by person, phone number, address, and business. Limited free info, premium data upsell.
- [192 \(UK\)](#) - Search by person, business, address. Limited free info, premium data upsell.
- [Ancestry](#) - Premium data, free trial with credit card.
- [Black Book Online](#) - Free. Nationwide directory of public record lookups.
- [Canada411](#) - Search by person, phone number, and business. Free.
- [Classmates](#) - High-school focused people search. Free accounts allow creating a profile and viewing other members. Premium account required to contact other members.
- [CrunchBase](#) - Business information database, with a focus on investment, acquisition, and executive data. Ancillary focus on market research and connecting founders and investors.
- [facesearch](#) - Handy proxy to search Google face-only image search results.
- [Family Search](#) - Popular genealogy site. Free, but registration required. Funded by The Church Of Jesus Christ of Latter-day Saints.
- [Federal Bureau of Prisons - Inmate Locator \(US\)](#) - Search federal inmates incarcerated from 1982 to the present.
- [Fold3 \(US Military Records\)](#) - Search military records. Search filters limited with free access. Premium access requires subscription.
- [Genealogy Bank](#) - Premium data, free trial with credit card.
- [Genealogy Links](#) - Genealogy directory with over 50K links.
- [Homemetry](#) - Reverse address search and allows searching for properties for sale/rent.
- [Judyrecords](#) - Free. Nationwide search of 400 million+ United States court cases.
- [Kompass](#) - Business directory and search.

<https://github.com/jivoi/awesome-osint>

OSINT TOOLS

<https://github.com/jivoi/awesome-osint>

<https://github.com/osintbrazuca/OSINT-Bazuca>

<https://github.com/mgp25/OSINT-Tools>

<https://github.com/Datalux/Osintgram>

<https://github.com/digitaldisarray/OSINT-Tools>

OSINT FRAMEWORK

Training	Dark Web	Public Records
Documentation	Terrorism	Telephone Numbers
OpSec	Mobile Emulation	Dating
Threat Intelligence	Metadata	People Search Engines
Exploits & Advisories	Language Translation	Instant Messaging
Malicious File Analysis	Archives	Social Networks
Tools	Forums / Blogs / IRC	Images / Videos / Docs
Encoding / Decoding	Search Engines	IP Address
Classifieds	Geolocation Tools / Maps	Domain Name
Digital Currency	Transportation	Email Address
	Business Records	Username

<https://osintframework.com/>

DOXING Techniques

<https://rfmirror.com/Forum-Doxing-Tutorials>

<https://github.com/HackingEnVivo/Doxing/blob/master/README.md>

<https://github.com/tj/dox>

<https://helpransomware.com/doxing-guide/>

<https://www.csoonline.com/article/3572910/what-is-doxing-weaponizing-personal-information.html>

<https://www.protectimus.com/blog/doxing/>

Offensive OSINT

<https://www.offensiveosint.io/offensive-osint-introduction/>

<https://github.com/woj-ciech/kamerka>

<https://github.com/woj-ciech/LeakLooker>

<https://github.com/woj-ciech/Danger-zone>

<https://github.com/woj-ciech>

OSINT TOOLS FUNDAMENTALS - PORTUGUESE

Joas Antonio

FERRAMENTAS OSINT

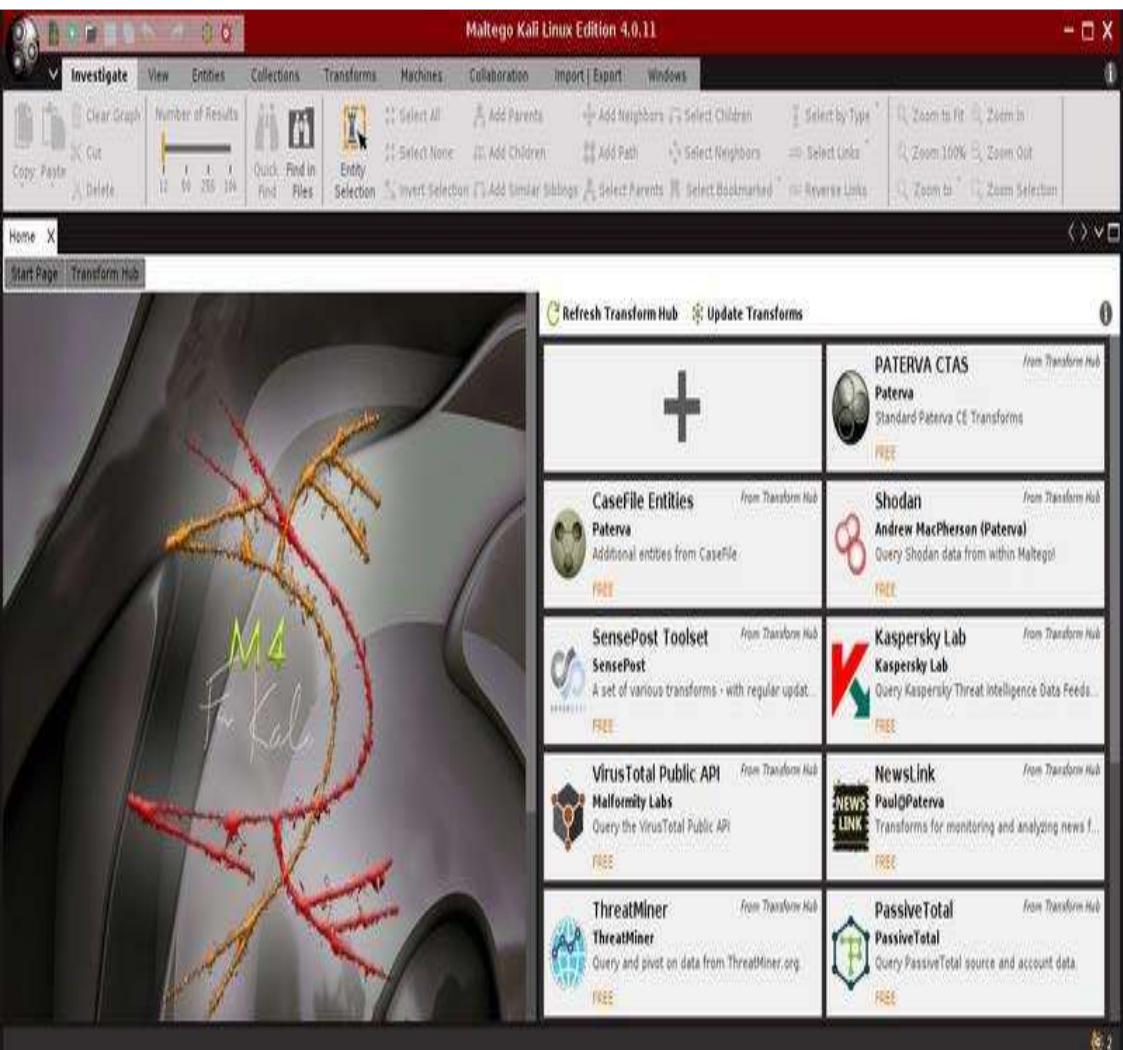


ALGUMAS FERRAMENTAS

- <https://www.shodan.io/>
- <https://www.peerlyst.com/posts/osint-and-threat-intelligence-chrome-plugin-to-look-up-ips-fqdns-md5-sha2-and-cves-matt-brewer>
- <https://censys.io/>
- <https://www.peerlyst.com/tags/honeydb>
- <https://github.com/DataSploit/datasploit>
- <https://github.com/s-rah/onionscan>
- <https://osintframework.com/>
- <https://inteltechniques.com/menu.html>
- <http://www.misp-project.org/>

MALTEGO

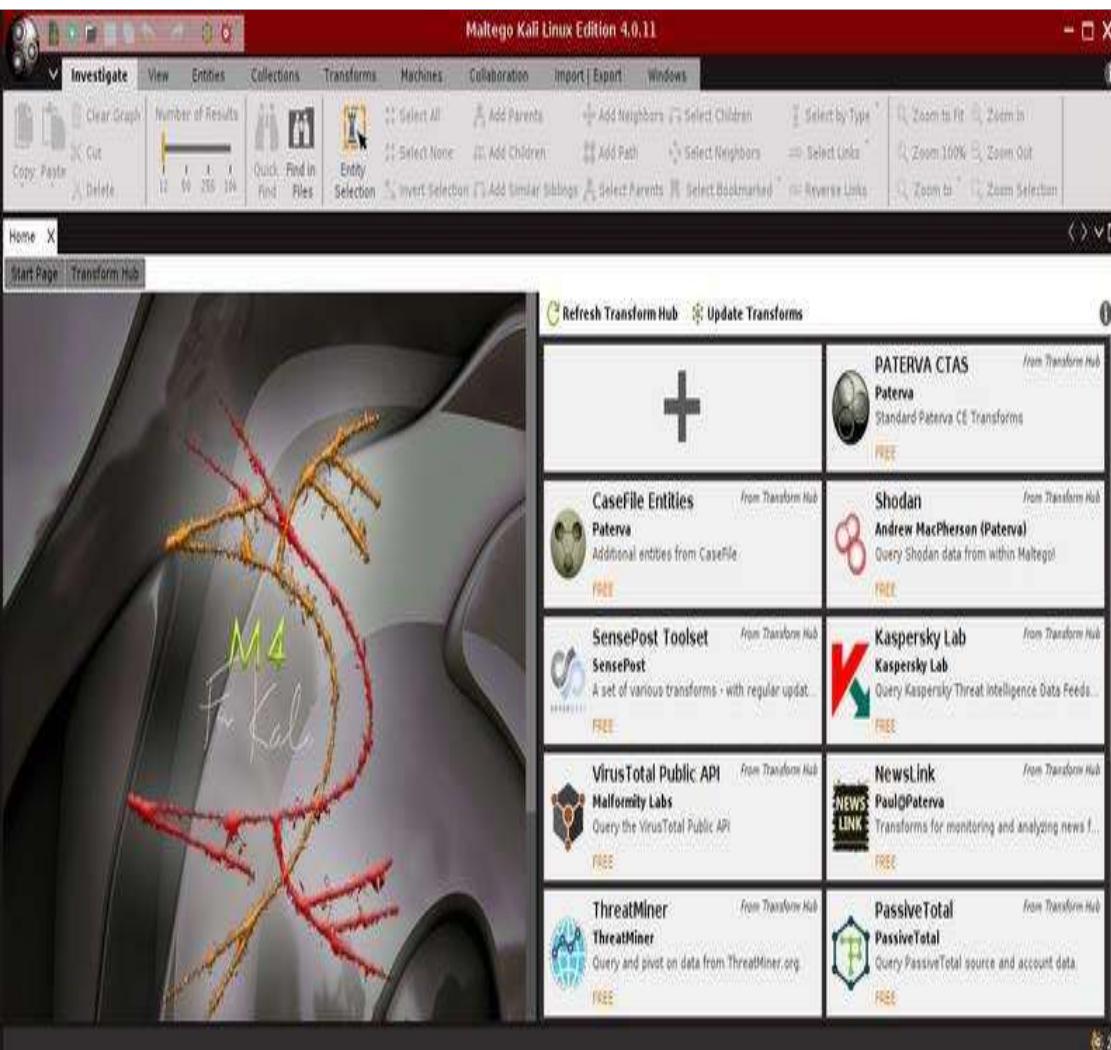
FERRAMENTAS OSINT: MALTEGO



O QUE É MALTEGO?

- O Maltego é desenvolvido pela Paterva e é usado por profissionais de segurança e investigadores forenses para coletar e analisar inteligência de código aberto. Pode facilmente coletar informações de várias fontes e usar várias transformações para gerar resultados gráficos. As transformações são embutidas e também podem ser personalizadas com base no requisito. O Maltego é escrito em Java e vem pré-empacotado no Kali Linux. Para usar Maltego, o registro do usuário é necessário, o registro é gratuito. Uma vez que os usuários registrados podem usar esta ferramenta para criar a pegada digital do alvo na internet.

FERRAMENTAS OSINT: MALTEGO



MATERIAL PARA ESTUDO

- <https://www.youtube.com/watch?v=oSJCufEcgT0>
- <https://pt.slideshare.net/cassioaramos/tutorial-maltego>
- https://www.youtube.com/watch?v=sP-PI_SRQVo
- <https://osintbrasil.blogspot.com/2018/02/como-usar-maltego-para-pesquisa-e-dados.html>
- https://www.youtube.com/watch?v=tC_mUgn5b-c
- https://www.youtube.com/watch?v=wx4mEQZM_0s
- <https://www.computerweekly.com/tip/Maltego-tutorial-Part-1-Information-gathering>
- <http://yahoothackingbr.blogspot.com/2015/04/tutorial-usando-o-maltego-para-o.html>

SHODAN

FERRAMENTAS OSINT: SHODAN

The search engine for **Security**

Shodan is the world's first search engine for Internet-connected devices.

Create a Free Account Getting Started

Explore the Internet of Things

Use Shodan to discover which of your devices are connected to the Internet, where they are located and who is using them.

See the Big Picture

Websites are just one part of the Internet. There are refrigerators and much more that can be found with Shodan.

Monitor Network Security

Keep track of all the computers on your network that are directly accessible from the Internet. Shodan lets you understand your digital footprint.

Get a Competitive Advantage

Who is using your product? Where are they located? Get empirical market intelligence.

O QUE É SHODAN?

- O Shodan é um mecanismo de busca que permite ao usuário encontrar tipos específicos de computadores conectados à Internet usando uma variedade de filtros. Alguns também o descreveram como um mecanismo de pesquisa de banners de serviço, que são metadados que o servidor envia de volta ao cliente.

FERRAMENTAS OSINT: SHODAN



MATERIAL PARA ESTUDO

- <https://osintbrasil.blogspot.com/2017/10/um-tutorial-e-um-guia-shodan.html>
- <https://www.youtube.com/watch?v=X0w6GL-lg0k>
- <https://www.youtube.com/watch?v=v2EdwgX72PQ>
- <https://www.youtube.com/watch?v=dcJipmNPxDs>
- <https://www.youtube.com/watch?v=V5f4kqg2Tcs>
- <https://www.youtube.com/watch?v=UNfjqnJS2wk>
- <https://cli.shodan.io/>
- <https://danielmiessler.com/study/shodan/>
- <https://www.defcon.org/images/defcon-18/dc-18-presentations/Schearer/DEFCON-18-Schearer-SHODAN.pdf>

GOOGLE HACKING

FERRAMENTAS OSINT: GOOGLE HACKING



O QUE É GOOGLE HACKING?

- O Google utiliza uma tecnologia chamada **spiders**, ou **webcrawlers** que são robôs que fazem a varredura na web buscando e** indexando as páginas**. Quando fazemos uma busca pela ferramenta ela procura por este termo nestas páginas indexadas nos retornando **o que estamos procurando de fato**, cada resultado retornado é composto por um **título**, uma **url** e uma **descrição**.
- Um servidor mal configurado pode expor informações da empresa no Google. Não é difícil conseguir acesso a arquivos de base de dados através do Google.
- O **Google Hacking** nada mais é que uma prática para encontrar arquivos e/ou falhas a partir do Google, usando ele como uma espécie de scanner, dando comandos e possibilitando manipular buscas avançadas por strings chamadas de “dorks” ou “operadores de pesquisa”.

FERRAMENTAS OSINT: GOOGLE HACKING



MATERIAL PARA ESTUDO

- <https://medium.com/tableless/voc%C3%AA-conhece-o-google-hacking-d8f5c3296a3f>
- <https://www.100security.com.br/google-hacking-database/>
- <https://gbhackers.com/latest-google-dorks-list/>
- <https://www.exploit-db.com/google-hacking-database>
- https://www.youtube.com/watch?v=i9mGAdYo_pk
- <https://www.youtube.com/watch?v=Pku6afMFIGY>
- <https://imasters.com.br/devsecops/securitycast-google-hacking-database>
- <https://www.youtube.com/watch?v=qv1eoqvp4ew>
- <https://www.youtube.com/watch?v=d3NzsrmVrlw>

SOCIAL NETWORK

FERRAMENTAS OSINT: SOCIAL NETWORK



MATERIAL PARA ESTUDO

- <https://www.andreafortuna.org/2017/03/20/open-source-intelligence-tools-for-social-media-my-own-list/>

CHECK USERNAME

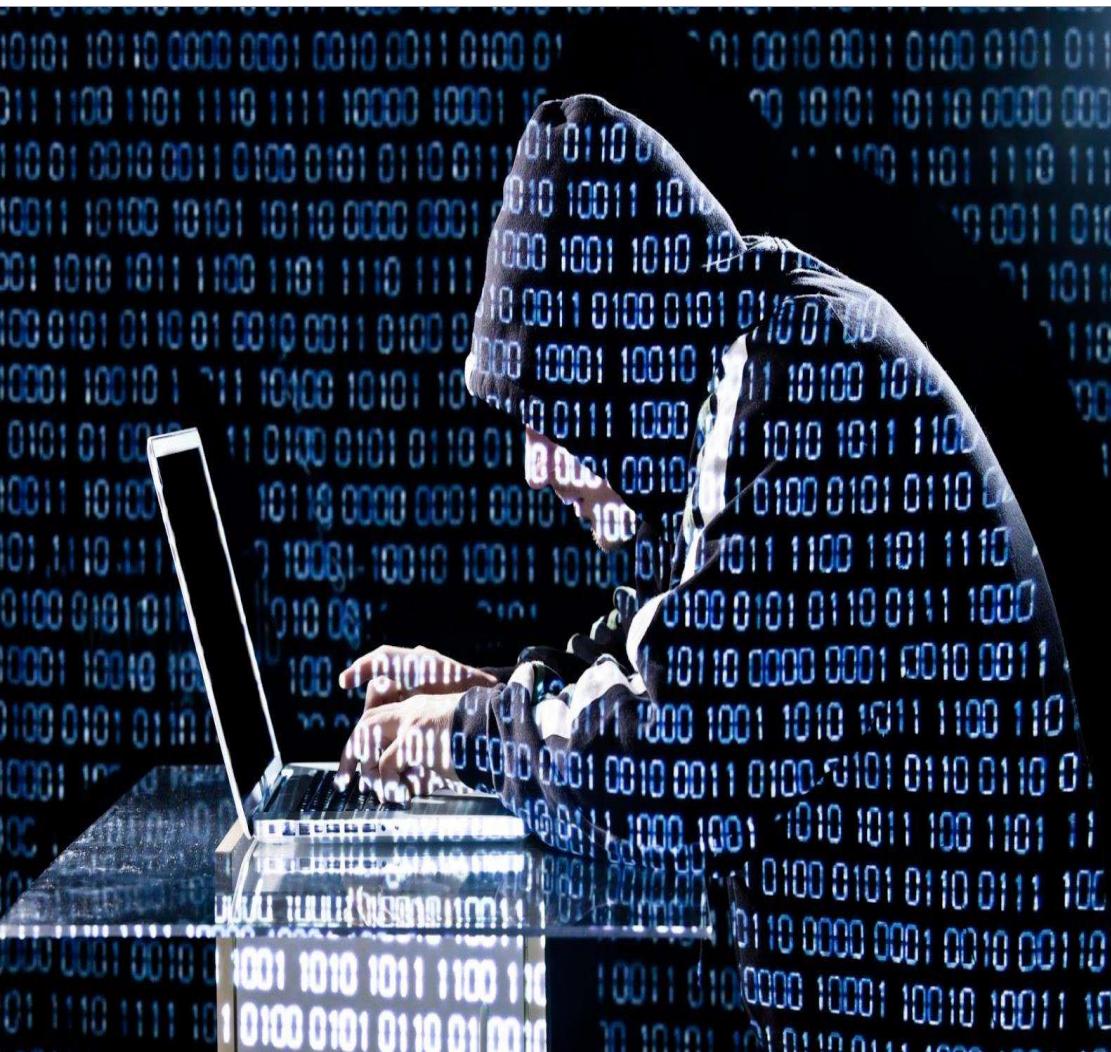
FERRAMENTAS OSINT: SOCIAL NETWORK



S O B R E

- Sites de redes sociais possuem muita informação, mas será tarefa muito chata e demorada se você precisar verificar se um determinado nome de usuário está presente em qualquer site de mídia social. Para obter essas informações, há um site www.checkusernames.com. Ele procurará a presença de um nome de usuário específico em mais de 150 sites. Os usuários podem verificar a presença de um alvo em um site específico para tornar o ataque mais direcionado.
- Uma versão mais avançada do site é <https://knowem.com>, que tem um banco de dados mais amplo de mais de 500 sites, juntamente com mais alguns serviços?

FERRAMENTAS OSINT: SOCIAL NETWORK



MATERIAL PARA ESTUDO

- <https://namechk.com/>
- <https://www.namecheckr.com/>
- <http://www.spinxo.com/username-check>
- <https://securitytrails.com/blog/osint-facebook-tools>
- <https://www.youtube.com/watch?v=q39fy2lpBF8>

NUMERO DE TELEFONE



FERRAMENTAS OSINT: NUMERO DE TELEFONE

```
[+] Location:  
[+] Carrier: Transatel SA  
[+] Line type: mobile  
(!) This is most likely a mobile number, but it can still be a VoIP number.  
[-] Running OVH scan...  
[-] Running OSINT footprint reconnaissance...  
[-] Generating URL: https://www.virustotal.com/  
[+] Scan URL: https://www.virustotal.com/  
[+] Would you like to use an additional format for this number? (y/n)  
[-] ---- We found 10 footprints on web pages.  
[-] Searching for footprints on web pages... (limit=10)  
[+] Result for https://freesmscode.com/get-virtual-phone-number/  
[+] Result found: https://freesmscode.com/get-virtual-phone-number/  
[+] Result found: https://smsnumbersonline.com/free-sms-number-online/  
[+] Result found: https://smstibo.com/free-virtual-mobile-number-ca/  
[+] Result found: https://sms24.me/number-  
[+] Result found: https://www.getfreesmsnumber.com/virtual-number-  
[+] Result found: https://smsreceiving.com/receive-sms-online-unit
```

Find identifying information for phone numbers

S O B R E

- Os números de telefone geralmente contêm pistas sobre a identidade do proprietário e podem trazer muitos dados durante uma investigação do OSINT. Começando com um número de telefone, podemos pesquisar em um grande número de bancos de dados on-line com apenas alguns cliques para descobrir informações sobre um número de telefone. Pode incluir a operadora, o nome e endereço do proprietário e até contas on-line conectadas.

FERRAMENTAS OSINT: NUMERO DE TELEFONE

```
[+] Location:  
[+] Carrier: Transatel SA  
[+] Line type: mobile  
(!) This is most likely a mobile number, but it can still be a VoIP  
[-] Running OVH scan...  
[-] Running OSINT footprint reconnaissance...  
[-] Generating URL: https://www.google.com/search?q=ipinfo  
[+] Scan URL: https://www.ipinfo.com/192.168.1.1  
[-] Would you like to use an additional format for this number? ()  
[-] ----  
[-] Searching for footprints on web pages... (limit=10)  
[+] Result found: https://www.ipinfo.com/192.168.1.1  
[+] Result found: https://freesmscode.com/get-virtual-phone-number/  
[+] Result found: https://smsnumbersonline.com/free-sms-number-online/  
[+] Result found: https://smstibo.com/free-virtual-mobile-number-generator/  
[+] Result found: https://sms24.me/number-generator/  
[+] Result found: https://www.getfreesmsnumber.com/virtual-number-generator/  
[+] Result found: https://smsreceiving.com/receive-sms-online-unit-test/
```

Find identifying information for phone numbers

MATERIAL PARA ESTUDO

- <https://medium.com/@SundownDEV/phone-number-scanning-osint-recon-tool-6ad8f0cac27b>
- <https://datasploit.readthedocs.io/en/latest/>
- <https://null-byte.wonderhowto.com/how-to/find-identifying-information-from-phone-number-using-osint-tools-0195472/>
- <https://www.youtube.com/watch?v=gDKR1eHIXEA>
- <https://www.youtube.com/watch?v=WW6myutKBYk>
- <https://www.youtube.com/watch?v=GOvuhU02G-s>

THE HARVERSTER

FERRAMENTAS OSINT: THE HARVESTER

```
*****  
*      /\_/\ *  
*     / \ \ \ / \ \ *  
*    / \ \ \ / \ \ \ / \ \ *  
*   / \ \ \ / \ \ \ / \ \ \ / \ \ *  
*  / \ \ \ / \ \ \ / \ \ \ / \ \ \ / \ \ *  
* TheHarvester Ver. 2.7  
* Coded by Christian Martorella  
* Edge-Security Research  
* cmartorella@edge-security.com  
*****  
  
Full harvest..  
[-] Searching in Google..  
  Searching 0 results...  
  Searching 100 results...  
  Searching 200 results...  
  Searching 300 results...  
  Searching 400 results...  
  Searching 500 results...  
[-] Searching in PGP Key server..  
[-] Searching in Bing..  
  Searching 50 results...  
  Searching 100 results...  
  Searching 150 results...  
  Searching 200 results...  
  Searching 250 results...  
  Searching 300 results...
```

S O B R E

- theHarvester é uma ferramenta muito simples, mas eficaz, projetada para ser usada nos estágios iniciais de um teste de penetração. Use-o para coleta de inteligência de código aberto e para ajudar a determinar o cenário de ameaças externas de uma empresa na Internet. A ferramenta reúne e-mails, nomes, subdomínios, IPs e URLs usando várias fontes de dados públicos

FERRAMENTAS OSINT: THE HARVESTER

- <https://github.com/laramies/theHarvester>
 - <https://tools.kali.org/information-gathering/theharvester>
 - https://www.youtube.com/watch?v=NioRu6s4_xk
 - <https://www.oanalista.com.br/2016/03/06/coletando-informacoes-com-o-theharvester/>
 - <https://www.100security.com.br/theharvester/>
 - <https://www.hackingloops.com/theharvester/>

METAGOOFIL

FERRAMENTAS OSINT: METAGOOFIL

```
root@kali:~/usr/share/metagoofil$ ./metagoofil  
*****  
Metagoofil Ver 2.2  
Christian Martorolla  
Edge-Security.com  
christian.martorolla@edge-security.com  
*****  
Usage: metagoofil options  
  
-d: domain to search  
-t: filetype to download (pdf, doc, xls, ppt, odf, docx, xlsx, pptx)  
-l: limit of results to search (default 200)  
-h: work with documents in directory (use "yes" for local analysis)  
-n: limit of files to download  
-o: working directory (location to save downloaded files)  
-f: output file  
KALI LINUX
```

S O B R E

- O **Metagoofil** é uma ferramenta de coleta de informações projetada para extrair metadados de arquivos (pdf, doc, xls, ppt, docx, pptx, xlsx) que pertencem a um domínio alvo.
- A ferramenta irá realizar uma busca no Google para identificar e fazer o download dos documentos para o disco local e, em seguida, irá extrair os metadados com diferentes bibliotecas como Hachoir, PdfMiner e outros. Com os resultados irá gerar um relatório com nomes de usuários, versões de software e servidores ou nomes das máquinas que auxiliaram durante um PenTest na fase de coleta de informações.

FERRAMENTAS OSINT: METAGOOFIL

```
root@kali:~/usr/share/metagoofil$ ./metagoofil
[+] Metagoofil Ver 2.2
[+] Christian Martorella
[+] Edge-Security.com
[+] cmartorella_at_edge-security.com

Usage: metagoofil options

-d: domain to search
-t: filetype to download (pdf,doc,xls,ppt,odp,ods,docx,xlsx,pptx)
-l: limit of results to search (default 200)
-h: work with documents in directory (use "yes" for local analysis)
-n: limit of files to download
-o: working directory (location to save downloaded files)
-f: output file
```

- <https://www.100security.com.br/metagoofil/>
 - <https://github.com/laramies/metagoofil>
 - <https://www.youtube.com/watch?v=bZSYkh92xmM>
 - https://www.youtube.com/watch?v=nhnqScoyo_s
 - <https://www.youtube.com/watch?v=4hHPhCw5a-4>
 - https://www.youtube.com/watch?v=jgu_guhz_Ag

TINEYE

FERRAMENTAS OSINT: TINIEYE

The screenshot shows the TinEye homepage. At the top, there's a navigation bar with links for 'Technology' and 'Products'. Below the header, the main title 'Reverse Image Search' is displayed in large, bold letters, followed by the subtitle 'Search by image and find where that image appears online'. There are two input fields: one for 'Upload or enter Image URL' with a file upload icon, and another for 'Search' with a magnifying glass icon. Below these fields is a link 'How to use TinEye'. A cartoon character of a blue robot with a single eye and a tire for a wheel is positioned next to the search fields. At the bottom left, there's a section titled 'TinEye Alerts tracks where your images appear online.'.

S O B R E

- Tineye é usado para realizar uma pesquisa relacionada à imagem na web. Tem vários produtos como o sistema de alerta tineye, API de pesquisa de cores, motor móvel, etc. Você pode pesquisar se uma imagem está disponível on-line e onde essa imagem apareceu. Tineye usa redes neurais, aprendizado de máquina e reconhecimento de padrões para obter os resultados. Ele usa correspondência de imagem, identificação de marca d'água, correspondência de assinatura e vários outros parâmetros para corresponder à imagem, em vez da correspondência de palavras-chave. O site também oferece extensões de API e extensões de navegador. Você pode simplesmente visitar a imagem e clicar com o botão direito do mouse para selecionar a pesquisa no tineye.

FERRAMENTAS OSINT: TINIEYE

 TinEye

Technology Products

Reverse Image Search

Search by image and find where that image appears online

[How to use TinEye](#)



TinEye Alerts tracks where your images appear online.

MATERIAL PARA ESTUDO

- <https://www.tineye.com/>
- <https://www.youtube.com/watch?v=5qkbsI9zi8Y>
- <https://www.youtube.com/watch?v=sufLXYuLL9M>

WEB SCRAPING

FERRAMENTAS OSINT: WEB SCRAPING



S O B R E

- Web scraping é uma técnica de extração de dados utilizada para coletar dados de sites. Por meio de processos automatizados, implementados usando um rastreador bot, esse tipo de “raspagem” de informações é uma forma de realizar cópias de dados em que informações específicas são coletadas e copiadas da web, tipicamente em um banco de dados ou planilha local central, para posterior recuperação ou análise. Essa ferramenta pode ser considerada muito útil para muitos profissionais, como o de marketing, por exemplo, por facilitar a busca, manipulação e análise de dados para a otimização de vendas e personalização do atendimento a clientes, tanto que diversos negócios legítimos a utilizam com essa finalidade.

FERRAMENTAS OSINT: WEB SCRAPING



MATERIAL PARA ESTUDO

- <https://www.youtube.com/watch?v=pJDJwD8GCIg>
- <http://www.automatingosint.com/blog/category/web-scraping/>
- <https://blog.vulsec.com/web-scraping-for-open-source-intelligence>
- <https://null-byte.wonderhowto.com/how-to/use-photon-scanner-scrape-web-osint-data-0194420/>



INFOGA

FERRAMENTAS OSINT: INFOGA



|| Infoga - Email Information Gathering
|| Infoga v4.1 - "Mr.Robot"
|| Momo Outaadi (M4ll0k)
|| <https://github.com/m4ll0k/infoga>

Usage: infoga -t [target] -s [source]

-t --target	Domain to search
-s --source	Data source: [all,google,bing,yahoo,pgp]
-i --info	Get email informations
-h --help	Show this help and exit

Examples:

```
infoga --target site.com --source all
infoga --target site.com --source [google,bing,...]
infoga --info test123@site.com
```

S O B R E

- Infoga é uma ferramenta que coleta informações de contas de e-mail (ip, nome de host, país, ...) de diferentes fontes públicas (mecanismos de busca, servidores de chave PGP e shodan) e verifica se os emails vazaram usando a API haveibeenpwned.com. É uma ferramenta muito simples, mas muito eficaz para os estágios iniciais de um teste de penetração ou apenas para conhecer a visibilidade de sua empresa na Internet.
-

FERRAMENTAS OSINT: INFOGA



```
|| Infoga - Email Information Gathering  
|| Infoga v4.1 - "Mr.Robot"  
|| Momo Outaadi (M4ll0k)  
|| https://github.com/m4ll0k/infoga
```

Usage: infoga -t [target] -s [source]

```
-t --target    Domain to search  
-s --source   Data source: [all,google,bing,yahoo,pgp]  
-i --info     Get email informations  
-h --help     Show this help and exit
```

Examples:

```
infoga --target site.com --source all  
infoga --target site.com --source [google,bing,...]  
infoga --info test123@site.com
```

MATERIAL PARA ESTUDO

- <https://github.com/m4ll0k/Infoga>
- <https://www.youtube.com/watch?v=KItbNlyA9IY>
- <https://www.youtube.com/watch?v=2md1JvjDQhs>
- <https://www.youtube.com/watch?v=TUw3JpAA7H8>
- <https://www.youtube.com/watch?v=WYJFSPaAiJI>
- <https://www.youtube.com/watch?v=DDRy3MtQD4g>



TORBOT

FERRAMENTAS OSINT: TORBOT



The screenshot shows a terminal window with the following content:

```
V 1.0.0
TorBot - A python Tor Crawler
GitHub : https://github.com/DedSecInside/TorBot
LICENSE: GNU Public License

Tor Ip Address :
193.70.56.25

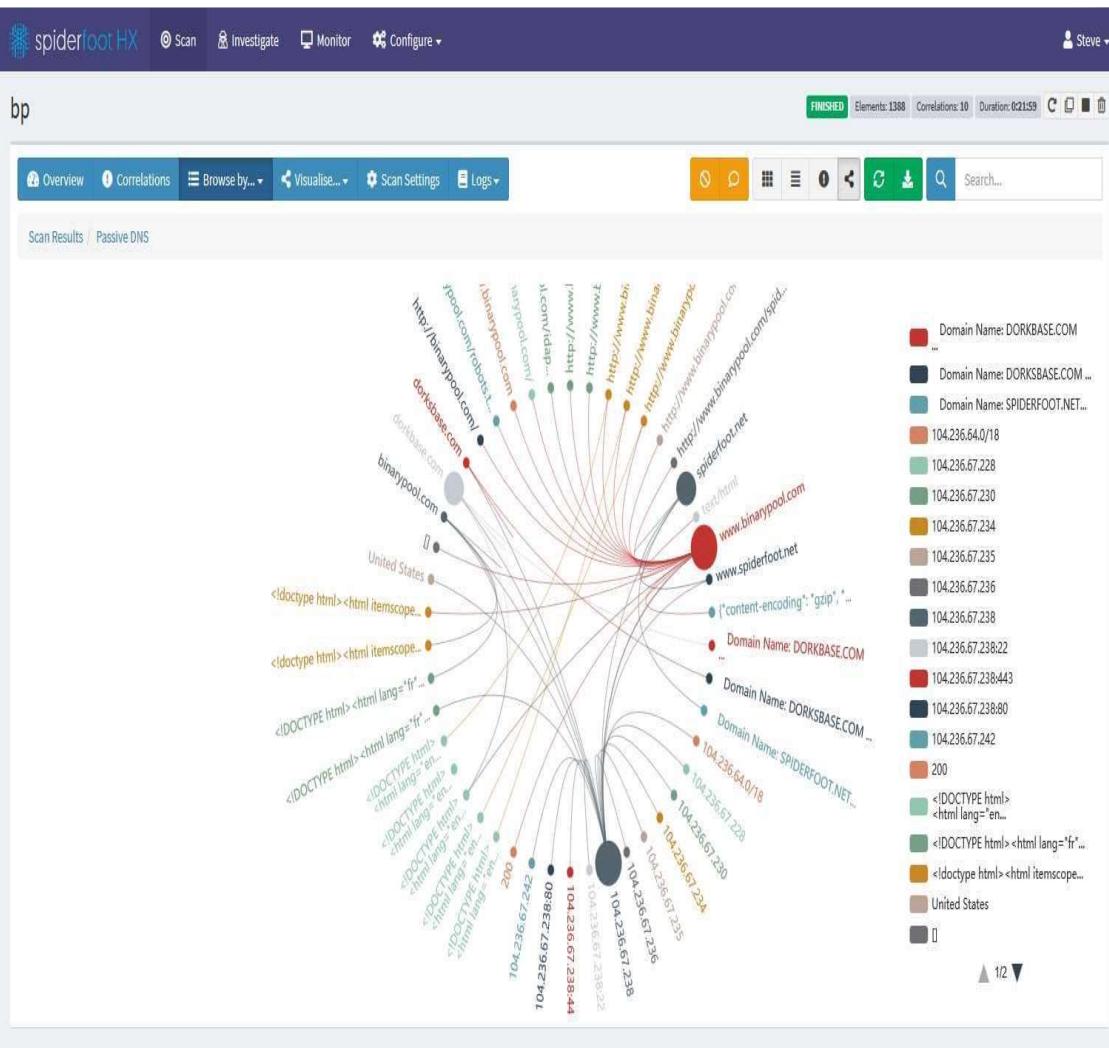
Websites Found - 232
http://torlinkbgs6aabes.onion/
http://easycoinsayj7p5l.onion
http://jzn5wSpac26sqef4.onion
http://y3fpieiezy2sin4a.onion
http://qkj4drtgvpn7eecl.onion
http://ow2det3tetb6tvnk.onion
http://shopsat2dotfatbs.onion/
```

MATERIAL PARA ESTUDO

- <https://github.com/DedSecInside/TorBot>
- https://www.youtube.com/watch?v=3iuw_5emVW0

SPIDERFOOT

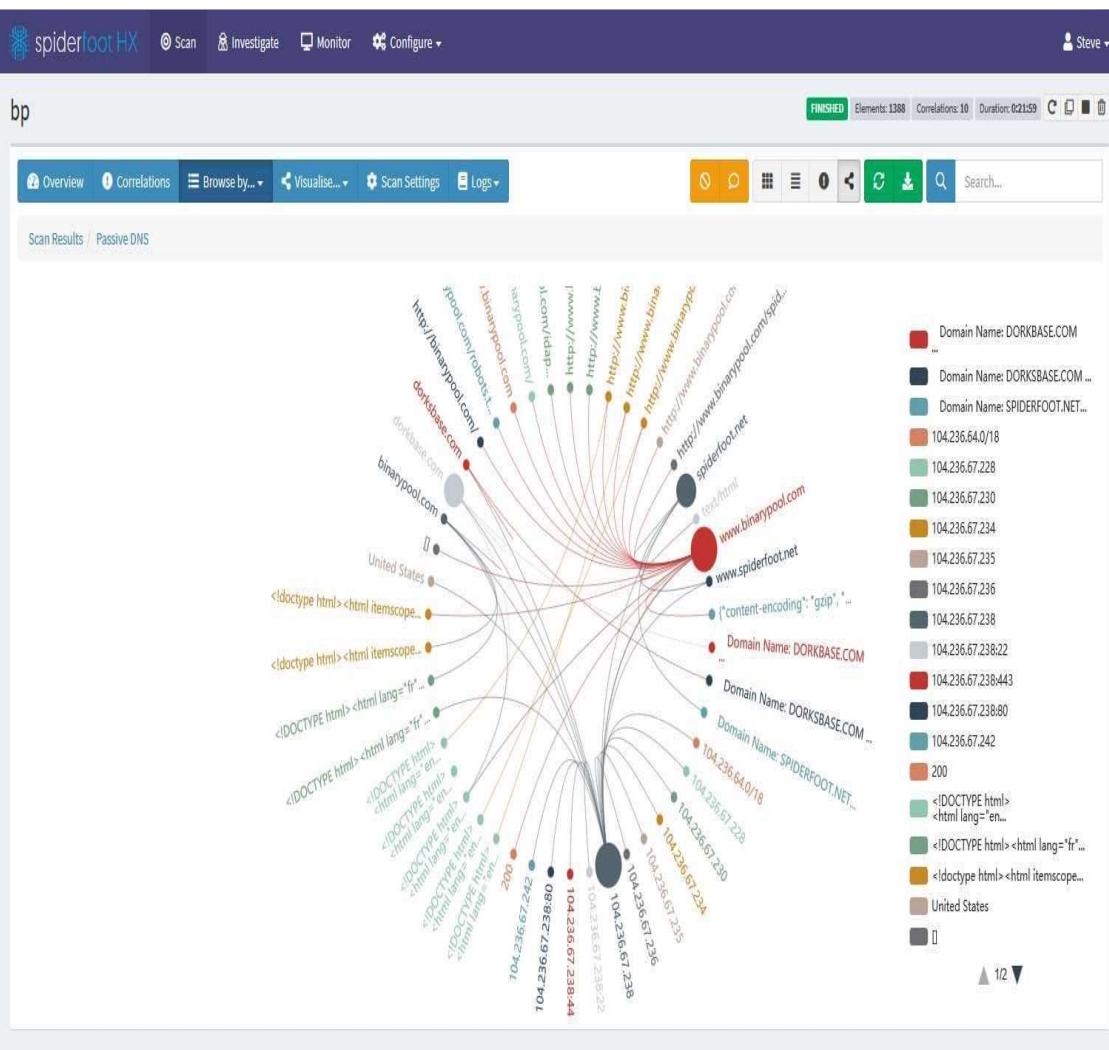
FERRAMENTAS OSINT: SPIDERFOOT



S O B R E

- O SpiderFoot é uma ferramenta de automação de inteligência de fonte aberta (OSINT). Seu objetivo é automatizar o processo de coleta de informações sobre um determinado alvo, que pode ser um endereço IP, nome de domínio, nome de host, sub-rede, ASN, endereço de e-mail ou nome da pessoa.
- O SpiderFoot pode ser usado ofensivamente, ou seja, como parte de um teste de penetração de caixa preta para coletar informações sobre o alvo ou defensivamente para identificar quais informações sua organização está fornecendo para os invasores usarem contra você. gratuitamente

FERRAMENTAS OSINT: SPIDERFOOT

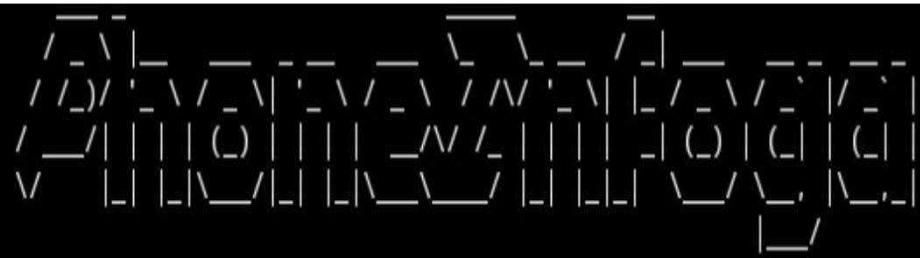


MATERIAL PARA ESTUDO

- <https://github.com/smicallef/spiderfoot>
- <https://www.spiderfoot.net/>
- <https://www.youtube.com/watch?v=dUQl0jPiSFw>
- <https://www.youtube.com/watch?v=CNPaG6ixf9Q>
- <https://www.youtube.com/watch?v=jD2rgooP2T0>
- <https://osintbrasil.blogspot.com/2017/06/spiderfoot.html>
- <https://securitytrails.com/blog/spiderfoot-osint-automation-tool>
- <https://www.100security.com.br/spiderfoot/>

PHONEINFOGA

FERRAMENTAS OSINT: PHONEINFOGA



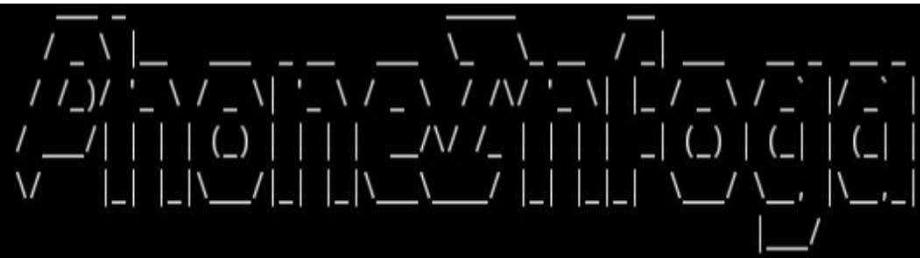
PhoneInfoga Ver. v1.0.0-rc2
Coded by Sundowndev

```
[!] ---- Fetching informations for 918394008835 ---- [!]
[*] Running local scan...
[+] International format: +91 83940 08835
[+] Local format: 08394008835
[+] Country code: +91
[+] Location: India
[+] Carrier: Vodafone
[+] Area: India
[+] Timezone: Asia/Calcutta
[*] The number is valid and possible.
[*] Running Numverify.com scan...
[+] Number: (+91) 08394008835
[+] Country: India (Republic of) (IN)
```

S O B R E

- O PhoneInfoga é uma das ferramentas mais avançadas para escanear números de telefone usando apenas recursos gratuitos. O objetivo é primeiro coletar informações padrão como país, área, operadora e tipo de linha em qualquer número de telefone internacional com uma precisão muito boa. Em seguida, pesquise pegadas nos mecanismos de pesquisa para tentar localizar o provedor de VoIP ou identificar o proprietário.

FERRAMENTAS OSINT: PHONEINFOGA



PhoneInfoga Ver. v1.0.0-rc2
Coded by Sundowndev

```
[!] ---- Fetching informations for 918394008835 ---- [!]
[*] Running local scan...
[+] International format: +91 83940 08835
[+] Local format: 08394008835
[+] Country code: +91
[+] Location: India
[+] Carrier: Vodafone
[+] Area: India
[+] Timezone: Asia/Calcutta
[*] The number is valid and possible.
[*] Running Numverify.com scan...
[+] Number: (+91) 08394008835
[+] Country: India (Republic of) (IN)
```

MATERIAL PARA ESTUDO

- <https://github.com/sundowndev/PhoneInfoga>
- <https://github.com/sundowndev/PhoneInfoga/wiki>
- <https://www.youtube.com/watch?v=AX30uLvc9tU>
- <https://www.youtube.com/watch?v=jkZoV80WJnM>
- <https://www.youtube.com/watch?v=QzGb9SG5SL8>

PWNED OR NOT

FERRAMENTAS OSINT: PWNEDORNOT

The screenshot shows a terminal window titled "ubuntu : bash – Konsole". The window has a dark theme with a blue header bar. The menu bar includes "File", "Edit", "View", "Bookmarks", "Settings", and "Help". The title bar says "ubuntu : bash". The main area of the terminal displays the output of the pwnedOrNot tool. It starts with a logo consisting of various symbols like slashes and dots. Below the logo, it says "Developed by : thewhiteh4t". The user enters "Enter Email Address : [REDACTED]@gmail.com". The tool then lists breached accounts for this email address:

```
[+] Account pwned...Listing Breaches...

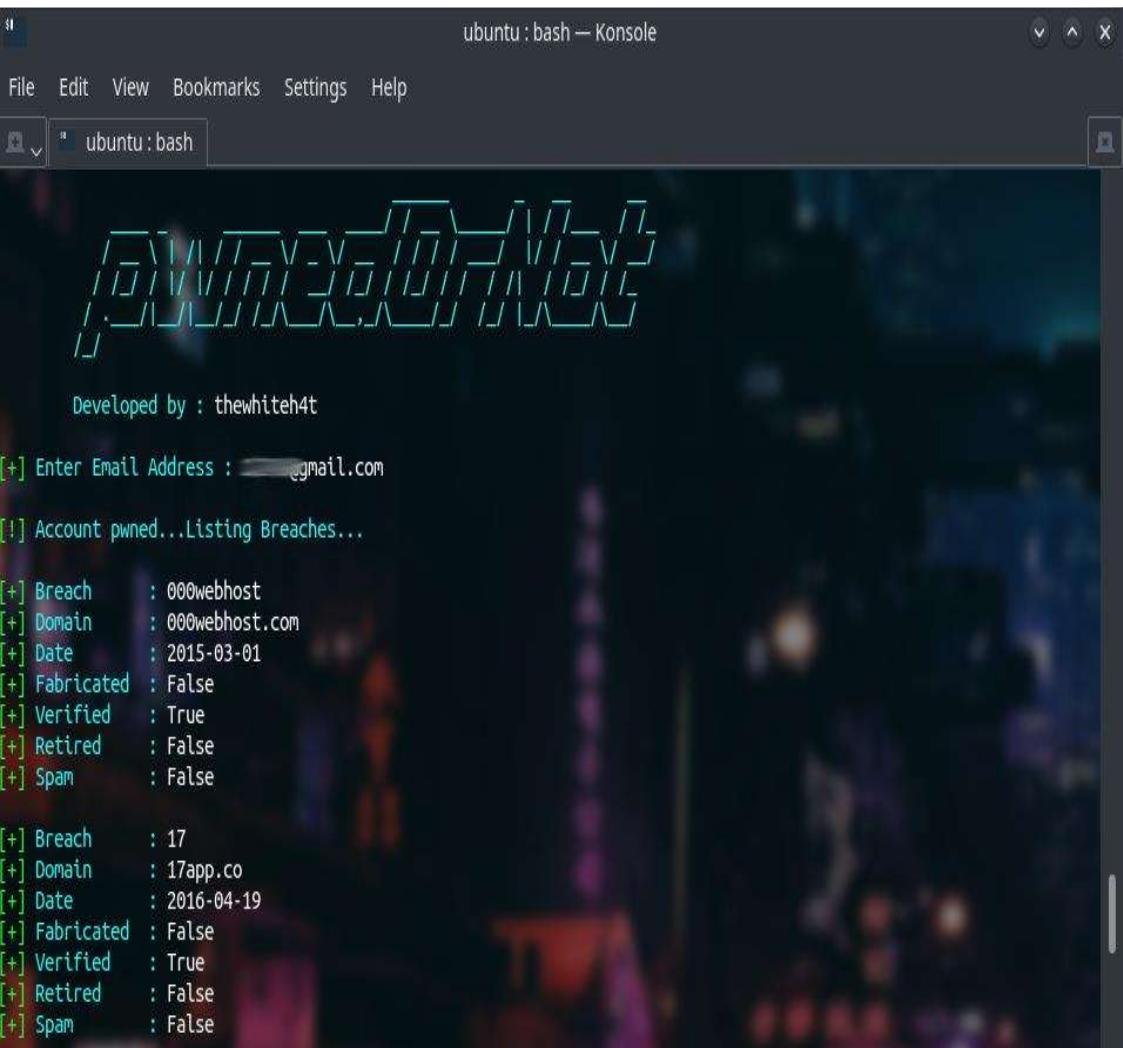
[+] Breach      : 000WebHost
[+] Domain     : 000WebHost.com
[+] Date       : 2015-03-01
[+] Fabricated  : False
[+] Verified   : True
[+] Retired    : False
[+] Spam        : False

[+] Breach      : 17
[+] Domain     : 17app.co
[+] Date       : 2016-04-19
[+] Fabricated  : False
[+] Verified   : True
[+] Retired    : False
[+] Spam        : False
```

S O B R E

- pwnedOrNot usa a API [vib do](#) v2 de [haveibeenpwned](#) para testar contas de e-mail e tenta encontrar a senha no [**Pastebin Dumps**](#).

FERRAMENTAS OSINT: PWNEDORNOT



The screenshot shows a terminal window titled "ubuntu : bash – Konsole". The window has a dark background with a faint, abstract pattern. At the top, there's a menu bar with "File", "Edit", "View", "Bookmarks", "Settings", and "Help". Below the menu is a tab bar with "ubuntu : bash". The main area of the terminal displays the output of the pwnedOrNot tool. It starts with a logo consisting of various symbols like slashes and dots. Below the logo, it says "Developed by : thewhiteh4t". Then it prompts the user to "Enter Email Address :". The user enters "[+] Enter Email Address : [REDACTED]@gmail.com". Following this, it outputs "[!] Account pwned...Listing Breaches...". The tool then lists two breach entries:

```
[+] Breach      : 000WebHost
[+] Domain     : 000WebHost.com
[+] Date       : 2015-03-01
[+] Fabricated  : False
[+] Verified   : True
[+] Retired    : False
[+] Spam        : False

[+] Breach      : 17
[+] Domain     : 17app.co
[+] Date       : 2016-04-19
[+] Fabricated  : False
[+] Verified   : True
[+] Retired    : False
[+] Spam        : False
```

MATERIAL PARA ESTUDO

- <https://github.com/thewhiteh4t/pwnedOrNot>
- <https://www.youtube.com/watch?v=BdJZhrkrpU>
- <https://www.youtube.com/watch?v=cen0xC-MzZ8>

TOR OSINT

FERRAMENTAS OSINT: TOR



MATERIAL PARA ESTUDO

- <https://jakecreps.com/2019/05/16/osint-tools-for-the-dark-web/>
- <https://medium.com/@ianBarwise/the-osint-ification-of-isis-on-the-dark-web-19644ec90253>
- <http://www.automatingosint.com/blog/2016/07/dark-web-osint-with-python-and-onionscan-part-one/>
- <https://github.com/pielco11/DOT>

SKYPE OSINT

FERRAMENTAS OSINT: SKYPE



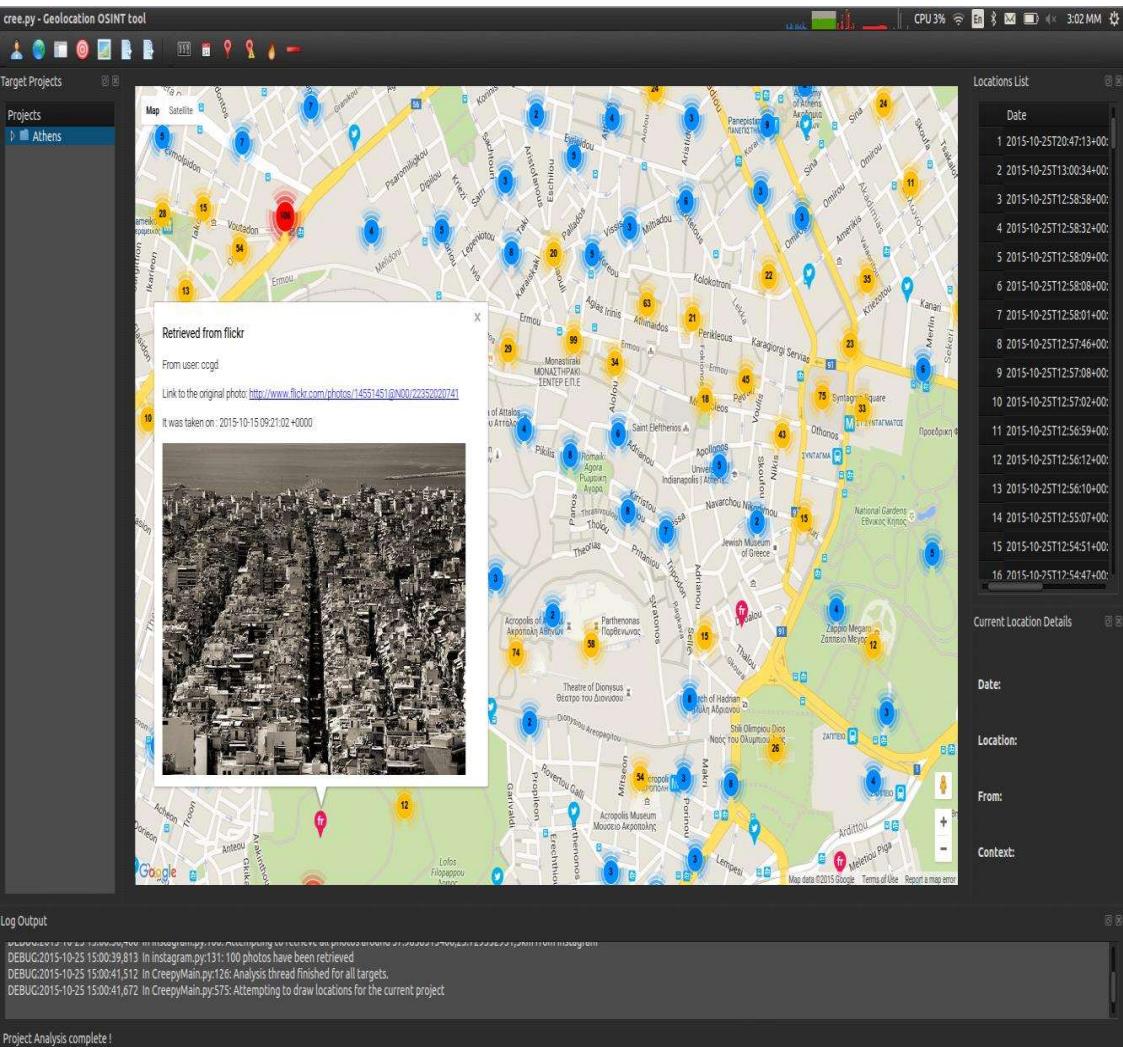
MATERIAL PARA ESTUDO

- <https://github.com/PaulSec/skype-osint>
- <http://www.automatingosint.com/blog/2016/05/expanding-skype-forensics-with-osint-email-accounts/>
- <http://seclist.us/skype-osint-python-osint-tool-to-retrieve-information-from-skype.html>



CREEPY

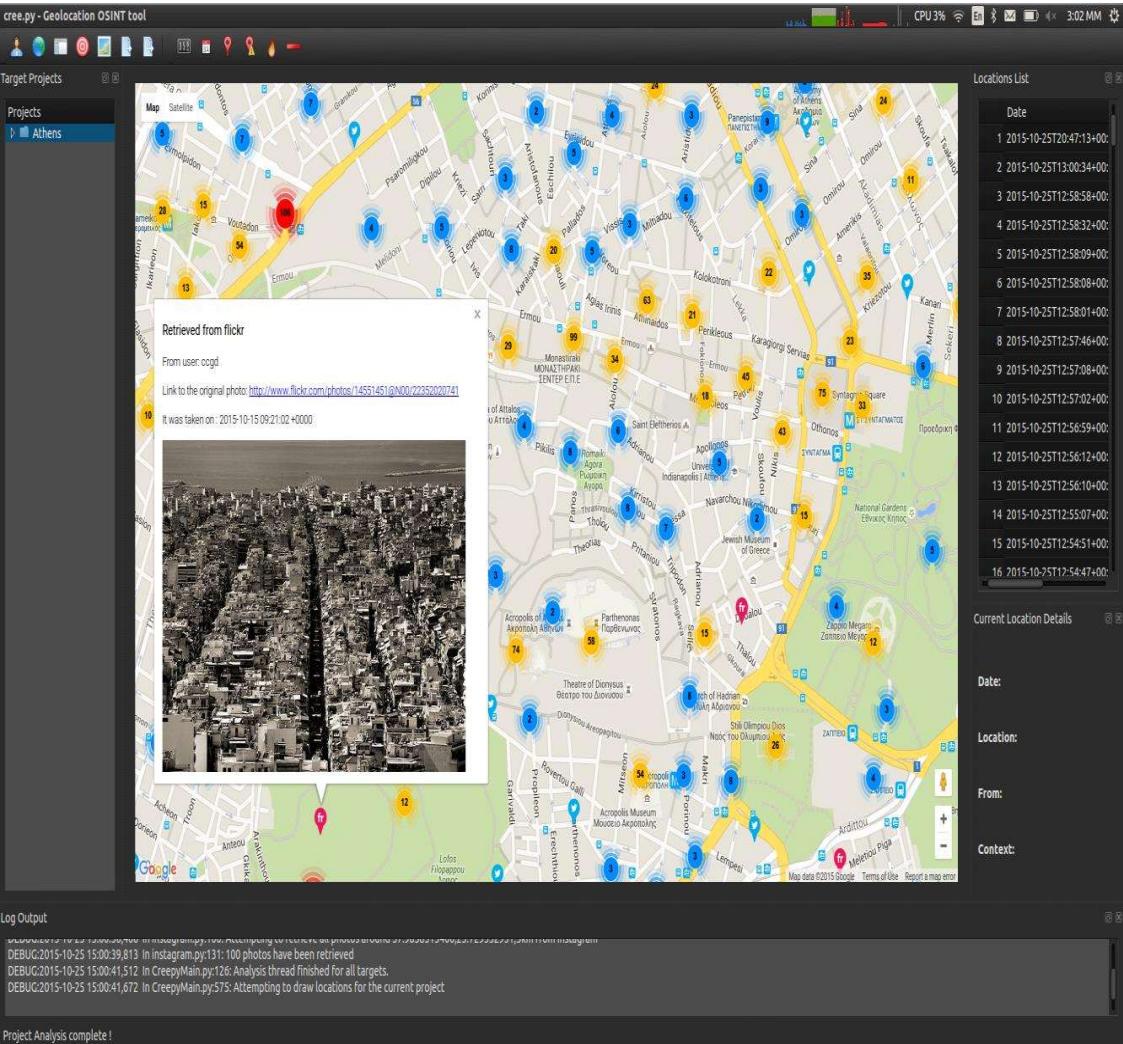
FERRAMENTAS OSINT: CREEPY



S O B R E

- Assustador é uma ferramenta OSINT de geolocalização. Reúne informações relacionadas à geolocalização de fontes on-line e permite a apresentação no mapa, a filtragem de pesquisa com base no local e / ou na data exata, a exportação no formato csv ou kml para análise posterior no Google Maps.

FERRAMENTAS OSINT: CREEPY



MATERIAL PARA ESTUDO

- <https://github.com/ilektrojohn/creepy>
- <https://www.youtube.com/watch?v=JqJ4zaDIVAs>
- <https://www.youtube.com/watch?v=H4INyjrsRNA>

RECON-NG

FERRAMENTAS OSINT: RECON-NG

The logo for Black Hills InfoSec consists of a stylized graphic on the left and text on the right. The graphic features a central vertical line with diagonal branches extending from it at various angles, resembling a tree or network structure. To the left of the graphic, the text "Sponsored by..." is written in a sans-serif font. To the right of the graphic, the company name "BLACK HILLS" is written in a large, bold, sans-serif font, with "INFOSEC" in a smaller font below it. Below the entire logo is the website address "www.blackhillsinfosec.com" in a standard sans-serif font.

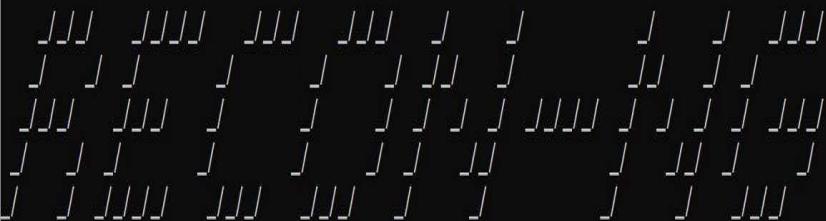
[recon-ng v4.9.5, Tim Tomes (@LaNMaSteR53)]

```
[recon-ng] [default] >
```

S O B R E

- Recon-ng é uma ferramenta de reconhecimento com uma interface semelhante ao Metasploit. Ao executar a reconexão a partir da linha de comandos, você entra em um ambiente semelhante a shell, no qual é possível configurar opções, executar resultados de reconhecimento e saída para diferentes tipos de relatórios.

FERRAMENTAS OSINT: RECON-NG



Sponsored by...



[recon-ng v4.9.5, Tim Tomes (@LaNMaSteR53)]

[81] Recon modules
[8] Reporting modules
[2] Import modules
[2] Exploitation modules
[2] Discovery modules

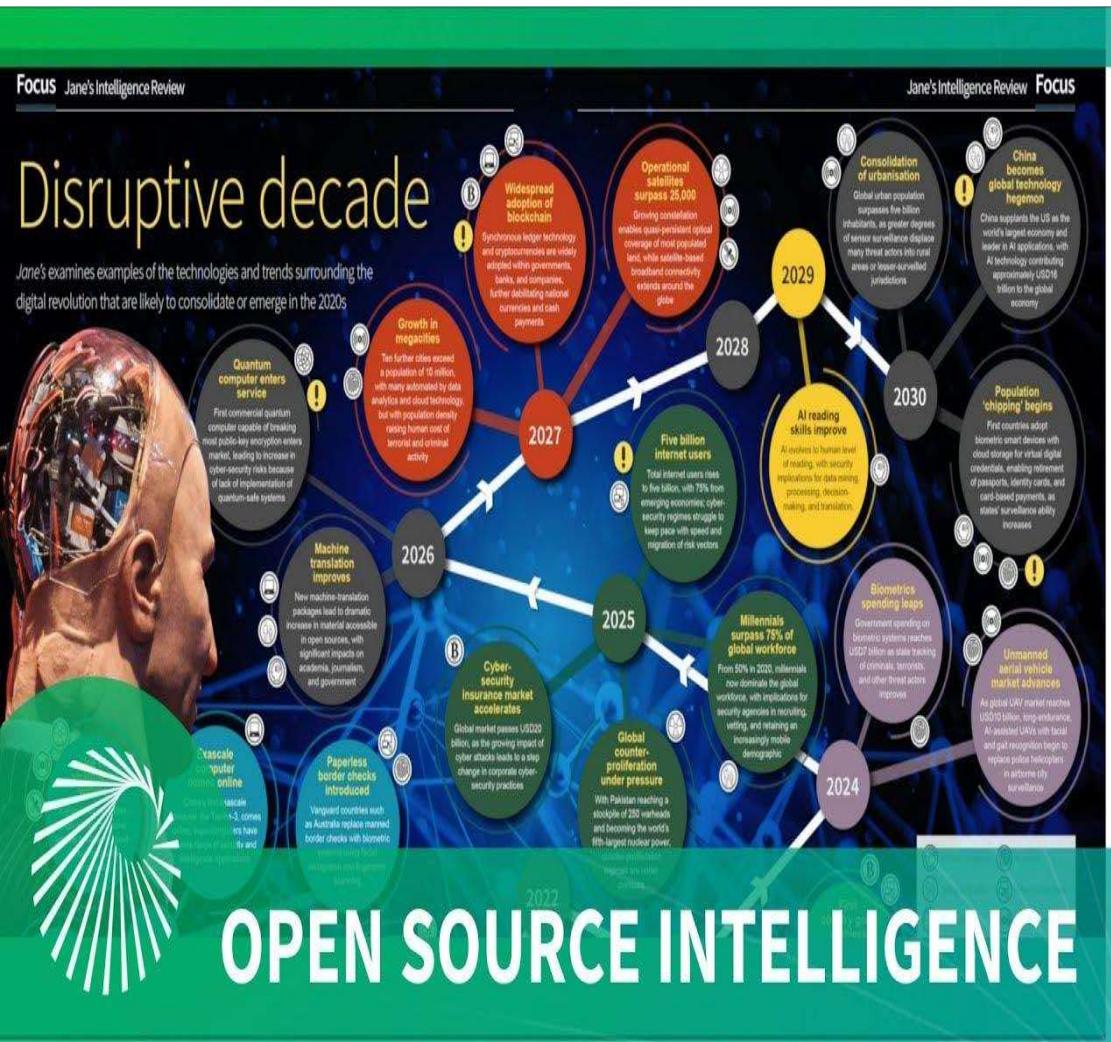
[recon-ng][default] >

MATERIAL PARA ESTUDO

- <https://hackertarget.com/recon-ng-tutorial/>
- <https://github.com/lanmaster53/recon-ng>
- <https://itharley.com/osint-com-o-recon-ng-parte-1-de-3/>
- <https://www.youtube.com/watch?v=OJ6Auz88iTY>
- <https://www.youtube.com/watch?v=x80wy7XQCoU>
- <https://www.youtube.com/watch?v=ueWeucZMdmk>

BEST TOOLS SEARCH

FERRAMENTAS OSINT: BEST TOOLS SEARCH



- <https://www.intelligencefusion.co.uk/blog/the-best-open-source-intelligence-osint-tools-and-techniques>

GASMAK



FERRAMENTAS OSINT: GASMAK

- <https://github.com/twelvesec/gasmask>
 - <https://www.youtube.com/watch?v=dVEP5rHZEAw>
 - <https://www.youtube.com/watch?v=jwTFmLcZBNs>

RESOURCES



FERRAMENTAS OSINT: RESOURCE



MATERIAL PARA ESTUDO

- <https://medium.com/@micallst/osint-resources-for-2019-b15d55187c3f>

CONCLUSÃO

“O OSINT É UMA DAS ARMAS MAIS PERIGOSAS UTILIZADAS POR HACKERS, POIS TENDO CONHECIMENTOS EM OSINT, FICA MAIS FÁCIL PARA REALIZAR ATAQUES DE ENGENHARIA SOCIAL OU INTRUSIVOS EM UMA EMPRESA, ALÉM DE COLETAR INFORMAÇÕES DE UMA PESSOA OU ORGANIZAÇÃO”

AGRADECIMENTO

Obrigado por ler esse livro

<https://www.facebook.com/cybersecup>

<https://www.facebook.com/Expersec/>

<https://www.facebook.com/exchangesec/>

<https://www.facebook.com/como.hackear.curso/>

PALESTRAS

https://www.youtube.com/watch?v=nvdsQlT9_xY

<https://www.youtube.com/watch?v=lDEd4tXdEjc>

<https://www.youtube.com/watch?v=46st98FUf8s>

<https://www.youtube.com/watch?v=l5OYDN5PwU4>

<https://www.youtube.com/watch?v=qH1p-N0AzYk>

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<https://pt.wikipedia.org/wiki/OSINT>

<https://pt.wikipedia.org/wiki/HUMINT>

<https://pt.wikipedia.org/wiki/IMINT>

<https://pt.wikipedia.org/wiki/MASINT>

<https://pt.wikipedia.org/wiki/SIGINT>

<https://pt.wikipedia.org/wiki/ELINT>

<https://pt.wikipedia.org/wiki/FISINT>

<https://pt.wikipedia.org/wiki/SIGINT>

<https://osintbrasil.blogspot.com/2017/08/ferramentas-osint-e-como-voce-aprende.html>

<https://www.greycampus.com/blog/information-security/top-open-source-intelligence-tools>

Table of Contents

Table of Contents.....	2
General Search.....	5
Main National Search Engines.....	7
Meta Search	8
Specialty Search Engines.....	9
Visual Search and Clustering Search Engines	10
Similar Sites Search	11
Document and Slides Search.....	12
Pastebins.....	13
Code Search.....	14
Major Social Networks.....	15
Real-Time Search, Social Media Search, and General Social Media Tools.....	16
Social Media Tools: Twitter.....	18
Social Media Tools: Facebook.....	22
Social Media Tools: Google+	23
Social Media Tools: Instagram.....	24
Social Media Tools: Pinterest.....	25
Social Media Tools: Reddit	26
Social Media Tools: VKontakte.....	27
Social Media Tools: Tumblr	28
Social Media Tools: LinkedIn	29
Blog Search	30
Forums and Discussion Boards Search.....	31
Username Check.....	32

People Investigations.....	33
E-mail Search / E-mail Check.....	36
Expert Search	38
Company Research	40
Job Search Resources.....	43
Q&A Sites	45
Domain and IP Research	46
Keywords Discovery and Research	50
Web History and Website Capture.....	51
Language Tools	52
Image Search	54
Image Analysis	56
Stock Images.....	57
Video Search and Other Video Tools.....	58
Radio and Podcasts Tools	60
Academic Resources and Grey Literature.....	61
Books and Reading	63
Geospatial Research and Mapping Tools.....	66
News.....	69
News Digest and Discovery Tools	71
Fact Checking	72
Data and Statistics.....	73
Web Monitoring.....	78
Bookmarking	81
Startpages.....	83
Browsers.....	84
Offline Browsing	85



VPN Services	86
Notetaking.....	87
Annotation Tools	88
Writing and Office Tools	89
Slideshow and Presentation Tools.....	91
Digital Publishing.....	93
Newsletter Tools.....	94
Digital Storytelling.....	96
Infographics and Data Visualization.....	98
Image and Photo Editing	102
Productivity Tools	104
E-mail Management.....	106
Document and Reference Management.....	108
PDF Management.....	109
OCR Tools	110
Cloud Storage and File Sharing	111
Web Automation	113
Dashboard Tools	114
Wikis	115
Collaboration and Project Management.....	116
Communication Tools.....	121
Calendars and Scheduling	125
Mind Mapping, Concept Mapping and Idea Generation Tools.....	126
Social Network Analysis.....	128
Privacy and Encryption Tools.....	129
Other Tools.....	133

General Search

Tool	Link
Advangle	http://advangle.com
Aol	http://search.aol.com
Ask	http://www.ask.com
Bing	http://www.bing.com
Better Search	https://chrome.google.com/webstore/detail/better-search/epicopkjbiphdmegamfkeieghhmcjema
Dothop	http://dothop.com
DuckDuckGo	https://duckduckgo.com
Excite	http://www.excite.com
Factbites	http://www.factbites.com
Gigablast	http://gigablast.com
Goodsearch	http://www.goodsearch.com
Google Search	http://www.google.com
Info.com	http://www.info.com
Infospace	http://www.infospace.com
Instya	http://www.instya.com
Impersonal.me	http://www.impersonal.me
iSEEK Education	http://education.iseek.com/iseek/home.page
ixquick	https://www.ixquick.com
Lycos	http://www.lycos.com



Mojek	http://www.mojek.com
MyWebSearch	http://home.mywebsearch.com
Oscobo	https://oscobo.co.uk
Polyfetch	http://www.polyfetch.com
Parseek (Iran)	http://www.parseek.com
Peeplo	http://www.peeplo.com
Search.com	http://www.search.com
SurfCanyon	http://www.surfcanary.com
Teoma	http://www.teoma.com
Wolfram Alpha	http://www.wolframalpha.com
Yahoo! Search	http://www.yahoo.com

Main National Search Engines

Tool	Link
Alleba (Philippines)	http://www.alleba.com
Ansearch (Australia)	http://www.ansearch.com.au
Baidu (China)	http://www.baidu.com
Daum (South Korea)	http://www.daum.net
Eniro (Sweden)	http://www.eniro.se
Goo (Japan)	http://www.goo.ne.jp
Najdsi (Slovenia)	http://www.najdi.si
Naver (South Korea)	http://www.naver.com
Onet.pl (Poland)	http://www.onet.pl
Orange (France)	http://www.orange.fr
Parseek (Iran)	http://www.parseek.com
SAPO (Portugal)	http://www.sapo.pt
Search.ch (Switzerland)	http://www.search.ch
Walla (Israel)	http://www.walla.co.il
Yandex (Russia)	http://www.yandex.com

Meta Search

Tool	Link
All-in-One	http://all-io.net
AllTheInternet	http://www.alltheinternet.com
Dogpile	http://www.dogpile.com
Etools	http://www.etools.ch
Excite	http://msxml.excite.com
FaganFinder	http://www.faganfinder.com/engines
Glearch	http://www.glearch.com
Goofram	http://www.goofram.com
iZito	http://www.izito.com
Nextaris	http://www.nextaris.com
Metabear	http://www.metabear.com
Myallsearch	http://www.myallsearch.com
Qrobe	http://qrobe.it
Qwant	http://www.qwant.com
Sputtr	http://www.sputtr.com
Trovando	http://www.trovando.it
WebCrawler	http://www.webcrawler.com
WiinkZ	http://www.wiinkz.com
Zapmeta	http://www.zapmeta.com

Specialty Search Engines

Tool	Link
2lingual Search	http://www.2lingual.com
Biznar	http://biznar.com
CiteSeerX	http://citeseer.ist.psu.edu http://www.findthecompany.com
FindTheCompany	
Digle	https://www.digle.com
Google Custom Search	http://www.google.com/cse
Harmari (Unified Listings Search)	https://www.harmari.com/search/unified
Internet Archive	https://archive.org/
Liveplasma	http://www.liveplasma.com
Million Short	https://millionshort.com
WorldWideScience.org	http://worldwidescience.org
Zanran	http://zanran.com

Visual Search and Clustering Search Engines

Tool	Link
Binpad	http://www.binpad.com
Carrot2	http://search.carrot2.org
Cluuz	http://www.cluuz.com
EntityCube	http://entitycube.research.microsoft.com
Touchgraph	http://www.touchgraph.com
Yippy	http://yippy.com

Similar Sites Search

Tool	Link
Google Similar Pages	https://chrome.google.com/webstore/detail/google-similar-pages/pjnfggphgdjblhfjaphkjhfpiekbbej
SimilarPages	http://www.similarpages.com
SimilarSites	http://www.similarsites.com
SimilarSiteSearch	http://www.similarsitesearch.com
SitesLike	http://www.siteslike.com

Document and Slides Search

Tool	Link
Authorstream	http://www.authorstream.com
Find-pdf-doc	http://www.findpdfdoc.com
Free Full PDF	http://www.freefullpdf.com
Hashdoc	https://www.hashdoc.com
Offshore Leak Database	https://offshoreleaks.icij.org
PasteLert	http://andrewmohawk.com/pasteLert/index.php
PDF Search Engine	http://www.pdfsearchengine.info
PDFgeni	http://www.pdfgeni.com
PDFgive	http://pdffgive.net
PDFSB	http://pdfsb.net
PDFSR	http://pdfsr.com
PPTHunter	http://www.ppthunter.com
RECAP	http://archive.recapthelaw.org
Scribd	http://www.scribd.com
SlideSearchEngine	http://www.slidesearchengine.com
SlideShare	http://www.slideshare.net
Slideworld	http://www.slideworld.com
soPDF.com	http://www.sopdf.com

Pastebins

Tool	Link
Custom Pastebin Search	https://inteltechniques.com/osint/menu.pastebins.html
PastebinTrends	http://pastebin.com/trends
PasteLert	http://andrewmohawk.com/pasteLert



Code Search

Tool	Link
NerdyData	https://search.nerdydata.com
SearchCode	https://searchcode.com

Major Social Networks

Tool	Link
Draugiem (Latvia)	https://www.draugiem.lv
Facebook	http://www.facebook.com
Facenama (Iran)	http://facenama.com
Google+	https://plus.google.com
Instagram	https://www.instagram.com
Linkedin	https://www.linkedin.com
Mixi (Japan)	https://mixi.jp
Odnoklassniki (Russia)	http://ok.ru
Pinterest	http://www.pinterest.com
Qzone (China)	http://qzone.qq.com
Reddit	https://www.reddit.com
Taringa (Latin America)	http://www.taringa.net
Tinder	https://www.gotinder.com
Tumblr	https://www.tumblr.com
Twitter	https://twitter.com
Weibo (China)	http://weibo.com
Vkontakte	https://vk.com
Xing	https://www.xing.com

Real-Time Search, Social Media Search, and General Social Media Tools

Tool	Link
Addict-o-matic	http://addictomatic.com
Audiense	https://www.audiense.com
Bottlenose	http://bottlenose.com
Brandwatch	https://www.brandwatch.com
Buffer	https://buffer.com
Buzz sumo	http://buzzsumo.com
Cyfe	http://www.cyfe.com
Flumes	http://flumes.com
Gaddr	https://gaddr.me
Geocreepy	http://www.geocreepy.com
Geofeedia	https://geofeedia.com
Hootsuite	http://hootsuite.com
HowSociable	http://www.howsociable.com
Hashtatit	http://www.hashtatit.com
Icerocket	http://www.icerocket.com
Klear	http://klear.com
Klout	http://klout.com
Kred	http://kred.com
MustBePresent	http://mustbepresent.com

Netvibes	http://www.netvibes.com
OpinionCrawl	http://www.opinioncrawl.com
Rival IQ	https://www.rivaliq.com
RSS Social Analyzer	https://chrome.google.com/webstore/detail/rss-social-analyzer/ncmajlpbfckeckfamgfkmcgbpihjfdn?hl=en
SmashFuse	http://smashfuse.com
Social Analytics	https://chrome.google.com/webstore/detail/social-analytics/pgckigamaefoaemjpijdepakcghjkggmg
SocialBakers	http://www.socialbakers.com
SocialBlade	http://socialblade.com
Social DownORNot	http://social.downornot.com
Social Mention	http://socialmention.com
Social Searcher	http://www.social-searcher.com
Spinn3r	http://spinn3r.com
Tagboard	https://tagboard.com
Trackur	http://www.trackur.com
UVRX	http://www.uvrx.com/social.html

Social Media Tools: Twitter

Tool	Link
AllMyTweets	https://www.allmytweets.net/connect/
Backtweets	http://backtweets.com
Bioischanged	http://bioischanged.com
Blue Nod	http://bluenod.com
Commun.it	http://commun.it
Crate	https://getcrate.co
Custom Twitter Tools	https://inteltechniques.com/osint/menu.twitter.html
doesfollow	https://doesfollow.com
Fake Follower Check	https://fakers.statuspeople.com
#FirstTweet	https://discover.twitter.com/first-tweet#i_intelligence
First Tweet	http://ctrlq.org/first
Foller.me	http://foller.me
FollowCheck	http://followcheck.com
Followerwonk	http://followerwonk.com
Geochirp	http://www.geochirp.com
GeoSocial Footprint	http://geosocialfootprint.com
GetTwitterID	http://gettwitterid.com
Gigatweeter	http://gigatweeter.com
Ground Signal	https://www.groundsignal.com
HappyGrumpy	https://www.happygrumpy.com

Harvard TweetMap	http://worldmap.harvard.edu/tweetmap
Hashtagify	http://hashtagify.me
Hashtags.org	http://www.hashtags.org
introduce	http://www.introduceapp.me
InTweets	http://intweets.com
ManageFlitter	http://manageflitter.com
Mentionmapp	http://mentionmapp.com
My Top Tweet	https://myoptweet.com
OneMillionTweetMap	http://onemilliontweetmap.com
Queryfeed	https://queryfeed.net
Rank Speed	http://www.rankspeed.com
Riffle	http://crowdriff.com/riffle/
RiteTag	https://ritetag.com
Sentiment140	http://www.twittersentiment.appspot.com
Silver Bird	https://chrome.google.com/webstore/detail/silver-bird/encaiijlfbdbjlphpgpiimidegddhic?hl=en
SnapBird	http://snapbird.org
Sleeping Time	http://sleepingtime.org
Social Bearing	http://www.socialbearing.com
Social Rank First Follower	http://socialrank.com/firstfollower
Tagdef	https://tagdef.com
TeachingPrivacy	http://app.teachingprivacy.com
Tinfoleak	https://tinfoleak.com
Trends24	http://trends24.in
TrendsMap	http://trendsmap.com
Twazzup	http://www.twazzup.com
twbirthday	http://twbirthday.com

TwChat	http://twchat.com
tweepsect	http://tweepsect.com
Tweet4me	http://tweet4.me
TweetArchivist	http://www.tweetarchivist.com
Tweet Chat	http://www.tweetchat.com
TweetDeck	https://www.tweetdeck.com
Tweeten	http://tweenet.xyz
TweetMap	http://mapd.csail.mit.edu/tweetmap
TweetMap	http://worldmap.harvard.edu/tweetmap ("under maintenance")
Tweetpaths	http://www.tweetpaths.com
TweetPsych	http://tweetpsych.com
Tweetreach	http://tweetreach.com
TweetStats	http://www.tweetstats.com
Tweet Tag	http://www.tweet-tag.com
TweetTunnel	http://tweettunnel.com
Twellow	http://www.twellow.com
Tweriod	http://www.tweriod.com
Twiangulate	http://www.twiangulate.com
Twicsy	http://twicsy.com
Twilert	http://www.twilert.com
Twipho	http://www.twipho.net
Twitonomy	http://www.twitonomy.com
TwitRSS	https://twitrss.me
Twitter Advanced Search	https://twitter.com/search-advanced?lang=en
Twitter Audit	https://www.twitteraudit.com
Twitter Chat Schedule	http://tweetreports.com/twitter-chat-schedule
Twitter Counter	http://twittercounter.com



Twitterfall	http://twitterfall.com
Twitter Search	http://search.twitter.com
Twitter Search Tools	https://inteltechniques.com/intel/OSINT/twitter.html
TWUBS Twitter Chat	http://twubs.com/twitter-chats
Schedule Warble	https://warble.co

Social Media Tools: Facebook

Tool	Link
Agora Pulse	http://barometer.agorapulse.com
Commun.it	http://commun.it
Custom Facebook Tools	https://inteltechniques.com/osint/menu.facebook.html
ExtractFace	http://le-tools.com/ExtractFace.html#download
Fanpage Karma	http://www.fanpagekarma.com
Facebook Search	http://search.fb.com/
Facebook Search Tool	http://netbootcamp.org/facebook.html
Facebook Search Tools	https://inteltechniques.com/intel/OSINT/facebook.html
FaceLIVE	https://www.facelive.org
Fb-sleep-stats	https://github.com/sqren/fb-sleep-stats
Find my Facebook ID	http://findmyfbid.com
LikeAlyzer	http://likealyzer.com
Lookup-ID.com	https://lookup-id.com
SearchIsBack	https://searchisback.com
Socialsearching	http://socialsearching.info/#/fb
Wallfux	https://www.wallflux.com
Wolfram Alpha Facebook	http://www.wolframalpha.com/input/?i=facebook+report
Report	
Zesty Facebook Search	http://zesty.ca/facebook

Social Media Tools: Google+

Tool	Link
CircleCount	http://www.circlecount.com
Google Plus Search	http://googleplussearch.chromefans.org
PlusFeed	http://plusfeed.frosas.net

Social Media Tools: Instagram

Tool	Link
<hr/>	
Custom Instagram	https://inteltechniques.com/osint/menu.instagram.html
Search Tools	
Hashtagify	http://hashtagify.me
Iconosquare	http://iconosquare.com
Ink361	http://ink361.com
Insta-earth	http://instaearth.me
Picodash	https://www.picodash.com
SnapMap	https://snapmap.knightlab.com/
Social Rank	https://www.socialrank.com
TeachingPrivacy	http://app.teachingprivacy.com
Tofo.me	https://tofo.me
Websta (Instagram)	http://websta.me
Worldcam	http://worldcam.am
Yomapic	http://www.yomapic.com

Social Media Tools: Pinterest

Tool	Link
Pingroupie	http://pingroupie.com
Pin Search	https://chrome.google.com/webstore/detail/pin-search-image-search-o/okiaciimfpqbpdhnfllhdkicpmdoakm

Social Media Tools: Reddit

Tool	Link
Imgur	http://imgur.com
Metareddit	http://metareddit.com
Mostly Harmless	http://kerrick.github.io/Mostly-Harmless/#features
Reddit Archive	http://www.redditarchive.com
Reddit Suite	https://chrome.google.com/webstore/detail/reddit-enhancement-suite/kbmfpngjjgdllneigpgjifpgocmfgmb
Reddit Investigator	http://www.redditinvestigator.com
Reddit Metrics	http://redditmetrics.com
SnoopSnoo	http://snoopsnoo.com
Subreddits	http://subreddits.org

Social Media Tools: VKontakte

Tool	Link
Дезертир	http://vk.com/app3046467
Barkov.net	http://vk.barkov.net
Find Face	http://findface.ru
Report Tree	http://dcpu.ru/vk_repost_tree.php
Social Stats	http://socialstats.ru
Spotlight	http://spotlight.svezet.ru
Target Hunter	https://targethunter.net
Target Log	http://targetolog.com
VK5	http://vk5.city4me.com
VK Community Search	http://vk.com/communities
VK Parser	http://vkparser.ru
VK People Search	http://vk.com/people
VK to RSS Appspot	http://vk-to-rss.appspot.com
Yomapic	http://www.yomapic.com

Social Media Tools: Tumblr

Tool	Link
Searchlr	http://searchlr.net
Tumblr Search	http://www.tumblr.com/search

Social Media Tools: LinkedIn

Tool	Link
FTL	https://chrome.google.com/webstore/detail/ftl/lkpekgkhmldknbcgjicjkomphkhhdkjj?hl=en-GB
LinkedIn Profile Views	https://chrome.google.com/webstore/detail/profile-views-save-who-vi/hldngpjilggobfjfjhodmohobamhbdbhh/reviews

Blog Search

Tool	Link
BlogSearchEngine	http://www.blogsearchengine.org
Icerocket	http://www.icerocket.com
NetworkedBlogs	http://www.networkedblogs.com
Notey	http://www.notey.com
Sphere	https://www.sphere.com
Twingly	http://www.twingly.com

Forums and Discussion Boards Search

Tool	Link
Boardreader	http://boardreader.com
Facebook Groups	https://www.facebook.com
Google Groups	https://groups.google.com
Linkedin Groups	http://www.linkedin.com
Ning	http://www.ning.com
Omgili	http://omgili.com
Xing Groups	https://www.xing.com/communities
Yahoo Groups	https://groups.yahoo.com

Username Check

Tool	Link
Check User Names	http://www.checkusernames.com
Custom Username Tools	https://inteltechniques.com/osint/menu.user.html
Gaddr	https://gaddr.me
Knowem	http://www.Knowem.com
Name Chk	http://www.namechk.com
Name Checkr	http://www.namecheckr.com
Username Check	http://www.usernamecheck.com
User Search	http://www.usersearch.org

People Investigations

Tool	Link
411 (US)	http://www.411.com
192 (UK)	http://www.192.com
Alumni.net	http://www.alumni.net
Ancestry	http://www.ancestry.com
Canada411	http://www.canada411.ca
Cedar	http://www.cedar.buffalo.edu/AdServ/person-search.html
Charlie App	https://charlieapp.com
Classmates	http://www.classmates.com
CrunchBase	http://www.crunchbase.com
Custom Person Search Tools	https://inteltechniques.com/osint/menu.name.html
CVGadget	http://www.cvgadget.com
Data 24-7	https://www.data24-7.com
Gaddr	https://gaddr.me
facesearch	http://facesaerch.com
Family Search	https://familysearch.org
Federal Bureau of Prisons - Inmate Locator (US)	http://www.bop.gov/inmateloc
Fold3 (US Military Records)	http://www.fold3.com
Forebears	http://forebears.io

Genealogy Bank	http://www.genealogybank.com
Genealogy Links	http://www.genealogylinks.net
Hey Press (Search for Journalists)	https://www.hey.press
Infobel	http://www.infobel.com/en/world
Infospace White Pages	http://infospace.com/home/white-pages
Interment	http://www.interment.net/data/search.htm
International White and Yellow Pages	http://www.wayp.com
Itools	http://itools.com/search/people-search
Kompass	http://www.kompass.com
LookUpUK	http://www.lookupuk.com
Lullar	http://com.lullar.com
MarketVisual	http://www.marketvisual.com
MelissaDATA	http://www.melissadata.com/lookups/peoplefinder.asp
My Life People Search	https://www.mylife.com/people-search
The National Archives (UK)	http://www.nationalarchives.gov.uk
PeekYou	http://www.peekyou.com
People Search (Australia)	http://www.peoplesearch.com.au
PeopleSearch.net	http://www.peoplesearch.net
Pipl	https://pipl.com
Rapportive	http://rapportive.com
RecordsPedia	http://recordspedia.com
Recruit'em	http://recruitin.net
Reunion	http://reunion.com
Rootsweb	http://home.rootsweb.ancestry.com
SearchBug	http://www.searchbug.com
Skip Ease	http://www.skipease.com
snitch.name	http://www.snitch.name



SnoopStation	http://snoopstation.com
Spokeo	http://www.spokeo.com
Switchboard	http://www.switchboard.com
That'sThem	https://thatsthem.com
USSearch	http://www.ussearch.com
Virtual Gumshoe	http://www.virtualgumshoe.com
WebMii	http://www.webmii.com
White Pages (US)	http://www.whitepages.com
Wink	http://itools.com/tool/wink-people-search
Yasni	http://www.yasni.com
Zabasearch	http://www.zabasearch.com
Zoominfo	http://www.zoominfo.com

E-mail Search / E-mail Check

Tool	Link
Breach OR Clear	http://breachorcLEAR.jesterscourt.cc
Custom Email Search Tools	https://inteltechniques.com/osint/menu.email.html
BriteVerify Email Verification	http://www.briteverify.co.uk
Email Address Validator	http://www.email-validator.net
Email Format	http://email-format.com
EmailHippo	https://tools.verifyemailaddress.io
Email Hunter	https://emailhunter.co
Email Permutator+	http://metricsparrow.com/toolkit/email-permutator
Emails4corporations	https://sites.google.com/site/emails4corporations/home
EmailSearch.net	http://www.email-search.org/search-emails
Email Validator	https://chema.ga/emailvalidator/index.php
Email Validator Tool	http://e-mailvalidator.com
Have I Been Pwned	https://haveibeenpwned.com
MailTester	http://mailtester.com/testmail.php
Peepmail	http://www.samy.pl/peepmail
Pipl	https://pipl.com
ReverseGenie	http://www.reversegenie.com/email.php
TCIPUTILS.com Email Test	http://www.tcpiputils.com/email-test
That'sThem	https://thatsthem.com/reverse-email-lookup
Toofr	https://www.toofr.com



Verify Email

<http://verify-email.org>

VoilaNorbert

<https://www.voilanorbert.com>

Expert Search

Tool	Link
Academia	http://academia.edu
AllExperts	http://www.allexperts.com
CanLaw	http://www.canlaw.com
ExpertiseFinder	http://www.expertisefinder.com
ExpertGuide	http://www.expertguide.com.au
ExpertPages	http://expertpages.com
Experts.com	http://www.experts.com
HARO	http://www.helpareporter.com
HerSay	http://www.hersay.co.uk
GlobalExperts	http://www.theglobalexperts.org
Idealist	http://www.idealista.org
Innocentive	http://www.innocentive.com
Internet Experts	http://www.internetexperts.info
Library of Congress: Ask a Librarian	http://www.loc.gov/rr/askalib
Maven	http://www.maven.co
MuckRack	http://muckrack.com
National Speakers Association	http://www.nsaspeaker.org
Newswise	http://www.newswise.com
Patent Attorneys/Agent Search	https://oedci.uspto.gov/OEDCI



PRNewswire	https://prnmedia.prnewswire.com
ProfNet	http://www.prnewswire.com/profnet
ReseacherID	http://www.researcherid.com
ScholarUniverse	http://www.scholaruniverse.com
SheSource	http://www.shesource.org
speakezee	https://www.speakezee.org
Sources	http://www.sources.com
TRExpertWitness	https://trexpertwitness.com
Zintro	https://www.zintro.com

Company Research

Tool	Link
AllStocksLinks	http://www.allstocks.com/links
Avention	https://www.avention.com
Battle of the Internet	http://pennystocks.la/battle-of-internet-giants
Giants	
Better Business Bureau	http://www.bbb.org
Bizeurope	http://www.bizeurope.com
Biznar	http://biznar.com/biznar/desktop/en/lightblue/search.html
Bloomberg	http://www.bloomberg.com/research/company/overview/overview.asp
Business Source	https://www.ebscohost.com/academic/business-source-complete
Bureau Van Dijk	http://www.bvdinfo.com
Canadian Business Research	https://www.canada.ca/en/services/business/research.html
Canadian Business Resource	http://www.cbr.ca
Central and Eastern European Business Directory	http://www.ceebl.co.uk/ceebl
Company Registration Round the World	http://www.commercial-register.sg.ch/home/worldwide.html

Company Research	http://www.rba.co.uk/sources/registers.htm
Resources by Country	
Comparably	https://www.comparably.com
CompeteShark	http://competeshark.com
Corporate Information	http://www.corporateinformation.com
CrunchBase	https://www.crunchbase.com
Data.com Connect	https://connect.data.com
EDGAR Online	http://www.edgar-online.com
Europages	http://www.europages.co.uk
European Business Register	http://www.ebr.org
Ezilon	http://www.ezilon.com
Factiva	https://global.factiva.com
FindtheCompany	http://www.findthecompany.com
Glassdoor	https://www.glassdoor.com
Global Business Register	http://www.globalbusinessregister.com
globalEdge	http://globaledge.msu.edu
GuideStar	http://www.guidestar.org
Hoovers	http://www.hoovers.com
Inc. 5000	http://www.inc.com/inc5000
InstantLogoSearch	http://instantlogosearch.com
iSpionage	https://www.ispionage.com
Knowledge guide to international company registration	http://www.icaew.com/en/library/subject-gateways/business-management/company-administration/knowledge-guide-international-company-registration
Linkedin	https://www.linkedin.com
National Company	https://en.wikipedia.org/wiki/List_of_company_registers

Registers

MarketVisual	http://www.marketvisual.com
Mergent Intellect	http://www.mergentintellect.com
Mergent Online	http://www.mergentonline.com/login.php
Morningstar Research	http://library.morningstar.com
Notablist	https://www.notablist.com
orbis directory	http://orbisdirectory.bvdinfo.com/version-20161014/OrbisDirectory/Companies
opencorporates	https://opencorporates.com
Owler	https://www.owler.com
Overseas Company Registers	https://www.gov.uk/government/publications/overseas-registries/overseas-registries
Plunkett Research	http://www.plunkettresearchonline.com
Scoot	http://www.scoot.co.uk
SEMrush	https://www.semrush.com
Serpstat	https://serpstat.com
SpyFu	http://www.spyfu.com
Forbes Global 2000	http://www.forbes.com/global2000/
Tradezone Europages	http://www.tradezone.com/europages.php
Vault	http://www.vault.com
Xing	http://www.xing.com

Job Search Resources

Tool	Link
Beyond	http://www.beyond.com
CampusCareerCenter	http://www.campuscareercenter.com
CareerBuilder	http://www.careerbuilder.com
College Recruiter	https://www.collegerecruiter.com
Craiglist	http://losangeles.craigslist.org
CVFox	http://www.cvfox.com
Dice	http://www.dice.com
Eluta (Canada)	http://www.eluta.ca
Eurojobs	https://www.eurojobs.com
Fish4Jobs	http://www.fish4.co.uk
Glassdoor	https://www.glassdoor.com
Headhunter	http://www.headhunter.com
Indeed	http://www.indeed.com
Jobs (Poland)	http://www.jobs.pl
Jobsite (UK)	http://www.jobsite.co.uk
Linkedin	https://www.linkedin.com
Monster	http://www.monster.com
Naukri (India)	http://www.naukri.com
Reed (UK)	http://www.reed.co.uk
Seek (Australia)	http://www.seek.com.au



SimplyHired	http://www.simplyhired.com
Xing	http://www.xing.com
ZipRecruiter	https://www.ziprecruiter.com

Q&A Sites

Tool	Link
Answers.com	http://www.answers.com
Ask	http://www.ask.com
ChaCha	http://www.chacha.com
eHow	http://www.ehow.com
Quora	http://www.quora.com
StackExchange	http://stackexchange.com
Wiselike	https://wiselike.com
Yahoo Answers	http://answers.yahoo.com

Domain and IP Research

Tool	Link
Accuranker	https://www.accuranker.com
ahrefs	https://ahrefs.com
Alexa	http://www.alexa.com
Bing Webmaster Tools	http://www.bing.com/toolbox/webmaster
BuiltWith	http://builtwith.com
Central Ops	http://centralops.net
Compete.com	https://www.compete.com
Custom Domain Search	https://inteltechniques.com/osint/menu.domain.html
Tools	
Custom IP Address Search	https://inteltechniques.com/osint/menu.ip.html
Tools	
Dedicated or Not	http://dedicatedornot.com
DNSDumpster	https://dnsdumpster.com
DNS History	http://dnshistory.org
DNSStuff	http://www.dnsstuff.com
DNS Trail	http://dnstrails.com
DNSViz	http://dnsviz.net
Domain Big Data	http://domainbigdata.com
Domain Crawler	http://www.domaincrawler.com
Domain Dossier	http://centralops.net/co/DomainDossier.aspx

Domain History	http://www.domainhistory.net
Domain Tools	http://whois.domaintools.com
Easy whois	https://www.easywhois.com
Exonera Tor	https://exonerator.torproject.org
Follow.net	http://follow.net
GraphyStories	http://app.graphystories.com
HypeStat	https://www.hypestat.com
Infosniper	http://www.infosniper.net
intoDNS	http://www.intodns.com
IP Checking	http://www.ipchecking.com
IP Location	https://www.iplocation.net
IP 2 Geolocation	http://ip2geolocation.com
IP 2 Location	http://www.ip2location.com/demo.aspx
IPFingerprints	http://www.ipfingerprints.com
IPVoid	http://www.ipvoid.com
IntelliTamper	http://www.softpedia.com/get/Internet/Other-Internet-Related/IntelliTamper.shtml
Kloth	http://www.kloth.net/services
NetworkTools	http://network-tools.com
Majestic	https://majestic.com
MaxMind	https://www.maxmind.com
MXToolbox	http://origin.mxtoolbox.com
Netcraft Site Report	http://toolbar.netcraft.com/site_report?url=undefined#last_reboot
OpenLinkProfiler	http://www.openlinkprofiler.org/ratelimit/domain.com
Open Site Explorer	https://moz.com/researchtools/ose
PageGlimpse	http://www.pageglimpse.com
Pentest-Tools.com	https://pentest-tools.com/information-gathering/google-hacking

Quantcast	https://www.quantcast.com
Quick Sprout	https://www.quicksprout.com
RedirectDetective	http://redirectdetective.com
Remote DNS Lookup	https://remote.12dt.com
Robtex	https://www.robtex.com
SameID	http://sameid.net
SEMrush	https://www.semrush.com
SEO Chat Tools	http://tools.seochat.com
SEOTOOLS for Excel	http://seotoolsforexcel.com
Similar Web	https://www.similarweb.com
SmallSEOTools	http://smallseotools.com
StatsCrop	http://www.statscrop.com
TCPIPUTILS.com	http://www.tcpiputils.com
urlQuery	http://urlquery.net
URLVoid	http://www.urlvoid.com
Wappalyzer	https://wappalyzer.com
WebMeUp	http://webmeup.com
Website Informer	http://website.informer.com
eWhois	https://ewhois.com
WhatIsMyIPAddress	http://whatismyipaddress.com
Who.is	https://who.is/
Whois Arin Online	https://whois.arin.net
WhoIsHostingThis	http://www.whoishostingthis.com
WhoisMind	http://www.whoismind.com
Whoisology	https://whoisology.com
WhoisRequest	http://whoisrequest.com
w3snoop	http://webboar.com.w3snoop.com



Verisign	http://dnssec-debugger.verisignlabs.com
ViewDNS.info	http://viewdns.info
You Get Signal	http://www.yougetsignal.com

Keywords Discovery and Research

Tool	Link
Google Adwords	http://adwords.google.com
Google Keyword Suggest Tool	http://tools.seochat.com/tools/suggest-tool
Google Trends	https://www.google.com/trends
Keyword Discovery	http://www.keyworddiscovery.com
Keyword Spy	http://www.keywordspy.com
KeywordTool	http://keywordtool.io
One Look Reverse Dictionary	http://www.onelook.com/reverse-dictionary.shtml
Word Tracker	https://www.wordtracker.com
Soodle	http://www.soodle.com
Ubersuggest	http://ubersuggest.org

Web History and Website Capture

Tool	Link
Archive.is	http://archive.is
BlackWidow	http://softbytelabs.com/en/BlackWidow
CashedPages	http://www.cashedpages.com
CachedView	http://cachedview.com
Screenshots.com	http://www.screenshots.com
Wayback Machine	http://archive.org/web/web.php
Wayback Machine Archiver	https://github.com/jsvine/waybackpack

Language Tools

Tool	Link
2lingual	http://www.2lingual.com
Apertium	https://www.apertium.org
Babelfish	https://www.babelfish.com
Bablic	https://www.bablic.com
Babylon	http://translation.babylon.com
Bing Translator	http://www.bing.com/translator
Dict.cn	http://dict.cn
Dictionary.com: Translation	http://translate.reference.com
FreeTranslation	http://www.freetranslation.com
Free Translator	http://www.free-translator.com
Free Website Translation	http://free-website-translation.com
Frengly	http://frengly.com
Gengo	http://gengo.com
Google Input Tools	https://www.google.com/inputtools/try
Google Translate	https://translate.google.com
Google Tranlsate Extension	https://chrome.google.com/webstore/detail/google-translate/aapbdbdomjkkjkaonfhhkikfgjlldeb?hl=en
IdiomaX Translation	http://www.idiomax.com/online-translator.aspx
India Typing	http://indiatyping.com/index.php/translations/english-to-hindi-translation

imTranslator	http://imtranslator.net/translation
iTranslate	http://www.itranslateapp.com
iTranslate Voice	http://itranlatevoice.com
Lexicool Translation	http://www.lexicool.com/translate.asp
Linguee	http://www.linguee.com
LingvoSoftOnline	http://www.lingvozone.com
Microsoft Translator	http://www.microsoft.com/en-us/translator
Noslang	http://www.noslang.com
OdysseyTranslator	http://odysseytranslator.com
Pleco	https://www.pleco.com
PROMT-Online	http://translation2.paralink.com
Reddit/r/translator	https://www.reddit.com/r/translator
Reverso	http://www.reverso.net
Slangit	http://slangit.com
Systran	http://www.systransoft.com
Translate.com	https://www.translate.com
Unbabel	https://unbabel.com
WorldLingo	http://www.worldlingo.com
WorldReference.com	http://www.wordreference.com
Yamli (Arabic Search Engine)	http://www.yamli.com
Yandex Translate	https://translate.yandex.ru

Image Search

Tool	Link
7Photos	http://7photos.net
Baidu Images	http://image.baidu.com
Bing Images	http://www.bing.com/images
Clarify	http://clarify.io
Flickr	https://secure.flickr.com
GoodSearch Image Search	http://www.goodsearch.com/search-image
Google Image	https://images.google.com
Gramfeed	http://www.gramfeed.com
Image Identification Project	https://www.imageidentify.com
Image Raider	https://www.imageraider.com
KarmaDecay	http://karmadecay.com
Lycos Image Search	http://search.lycos.com/images
MyPicsMap	http://www.mypicsmap.com
Panoramio	http://www.panoramio.com
PhotoBucket	http://photobucket.com
Picsearch	http://www.picsearch.com
PicTrev	http://www.pictriev.com
Reverse Image Search	https://inteltechniques.com/osint/menu.reverse.image.html
StolenCameraFinder	http://www.stolencamerafinder.co.uk
TinyEye	https://tineye.com



Websta	http://websta.me
Worldcam	http://www.worldcam.com
Yahoo Image Search	https://images.search.yahoo.com
Yandex Images	https://www.yandex.com/images
Yomapic	http://www.yomapic.com

Image Analysis

Tool	Link
ExifTool	http://www.sno.phy.queensu.ca/~phil/exiftool
EXIFviewer.org	http://www.exifviewer.org
Exif Search	http://www.exif-search.com
FotoForensics	http://www.fotoforensics.com
Gbimg.org	http://gbimg.org
Ghiro	http://www.getghiro.org
ImpulseAdventure	http://www.impulseadventure.com/photo/jpeg-snoop.html
izitru	http://www.izitru.com
Jeffrey's Image Metadata Viewer	http://regex.info//exif.cgi
JPEGsnoop	https://sourceforge.net/projects/jpegsnop
metapicz	http://metapicz.com/#landing

Stock Images

Tool	Link
AlltheFreeStock	http://allthefreestock.com
Death to Stock	http://deathtothestockphoto.com
Freeimages	http://www.freeimages.com
Freestocks.org	http://freestocks.org
Gratisography	http://www.gratisography.com
IM Free	http://www.imcreator.com/free
ISO Republic	http://isorepublic.com
iStockphoto	http://www.istockphoto.com
Kaboompics	http://kaboompics.com
LibreStock	https://librestock.com
Life of Pix	http://www.lifeofpix.com
NegativeSpace	http://negativespace.co
New Old Stock	http://nos.twnsnd.co
Pixabay	https://pixabay.com
Pexels	https://www.pexels.com
Stocksnap	https://stock.snap.io
Shutterstock	http://www.shutterstock.com
tookapic	https://stock.tookapic.com
Unplash	https://unsplash.com

Video Search and Other Video Tools

Tool	Link
Aol Videos	http://on.aol.com
Bing Videos	http://www.bing.com/?scope=video
Blinkx	http://www.blinkx.com
Clarify	http://clarify.io
Clip Blast	http://www.clipblast.com
Custom YouTube Search Tools	https://inteltechniques.com/osint/menu.youtube.html
DailyMotion	http://www.dailymotion.com
Deturl	http://deturl.com
DownloadHelper	http://www.downloadhelper.net
Earthcam	http://www.earthcam.com
eclips	https://eclips.io
Frame by Frame	https://chrome.google.com/webstore/detail/frame-by-frame-for-youtub/elkadbdicdciddfkdpmaolomehalgio?hl=en-GB
Geosearch	http://www.geosearchtool.com
Internet Archive: Open Source Videos	https://archive.org/details/opensource_movies
LiveLeak	http://www.liveleak.com
Metacafe	http://www.metacafe.com
Metatube	http://www.metatube.com



Montage	https://montage.storyful.com
Reverse Image Search Tools	https://inteltechniques.com/osint/menu.reverse.html
Veoh	http://www.veoh.com
Vimeo	https://vimeo.com
Voxalead	http://voxalead.labs.exalead.com
Yahoo Video Search	http://video.search.yahoo.com
YouTube	https://www.youtube.com
YouTube Data Viewer	https://www.amnestyusa.org/citizen证据

Radio and Podcasts Tools

Tool	Link
Clammr	https://www.clammr.com
iTunes Podcasts	http://www.apple.com/itunes/podcasts
Listelive	http://www.listenlive.eu
Pocket Casts	http://www.shiftyjelly.com/pocketcasts
Podcast Chart	http://www.podcastchart.com
Podcast Directory	http://www.podcastdirectory.com
Podkicker	https://play.google.com/store/apps/details?id=ait.podka&hl=en

Academic Resources and Grey Literature

Tool	Link
Academia	https://www.academia.edu
Academic Journals	http://www.academicjournals.org
African Journal Online	http://www.ajol.info
American Society of Civil Engineers	http://ascelibrary.org
Base	http://www.base-search.net
Bibsonomy	http://www.bibsonomy.org
Cambridge Journals	http://journals.cambridge.org
Core	https://core.ac.uk/search
Elsevier	https://www.elsevier.com
Google Scholar	https://scholar.google.com
Grey Guide	http://greyguide.isti.cnr.it
Grey Literature (HLWiki International)	http://hlwiki.slais.ubc.ca/index.php/Grey_literature
Grey Literature – List of Gateways	http://csulb.libguides.com/graylit
Grey Literature Report	http://www.greylit.org
Grey Literature Strategies	http://greylitstrategies.info
GreyNet International	http://www.greynet.org
HighWire: Free Online Full-text	http://highwire.stanford.edu/lists/freeart.dtl
Articles	
Journal Guide	https://www.journalguide.com

Journal Seek	http://journalseek.net
JSTOR	http://www.jstor.org
Lazy Scholar	http://www.lazyscholar.org
Microsoft Academic	http://academic.research.microsoft.com
NRC Research Press	http://www.nrcresearchpress.com
Open Access Scientific Journals	http://www.pagepress.org
Open Grey	http://www.opengrey.eu
The Open Syllabus Project	http://opensyllabusproject.org/
Oxford Journals	http://www.oxfordjournals.org
PubMed	http://www.ncbi.nlm.nih.gov/pubmed
Quetzal Search	https://www.quetzal-search.info
Research Gate	http://www.researchgate.net
SAGE Journals	http://online.sagepub.com
ScienceDirect	http://www.sciencedirect.com
SCIRP	http://www.scirp.org
Springer	http://link.springer.com
ScienceDomain	http://www.sciedomain.org
Science Publications	http://www.thescipub.com
Taylor & Francis Online	http://www.tandfonline.com
Wiley	http://eu.wiley.com
World Digital Library	http://www.wdl.org
World Science	http://worldwidescience.org
Zetoc	http://zetoc.jisc.ac.uk

Books and Reading

Tool	Link
Amazon Cheap Books	http://www.amazon.com/b?tag=mak041-20&linkCode=as2&ie=UTF8&node=2245146011
Blinkist	https://www.blinkist.com
Bookbub	https://www.bookbub.com
Bookish	https://www.bookish.com
Booklikes	http://booklikes.com
Bookmate	https://bookmate.com
Bookseer	http://bookseer.com
Books on the Knob	http://blog.booksontheknob.org
Calibre	http://www.calibre-ebook.com
Daily Cheap Reads	http://www.dAILYCHEAPREADS.COM
ExplainToMe	https://explaintome.herokuapp.com
Favobooks	http://favobooks.com
Free Book Search.net	http://www.freebooksearch.net
Free Kindle Books	http://freekindlebooks.org
Gnooks	http://www.gnooks.com
Google Books	https://books.google.com
Goodreads	http://www.goodreads.com
Groundera	http://groundera.com
How Long To Read	https://www.howlongtoreadthis.com

I love my Kindle	https://ilmk.wordpress.com
Internet Archive Texts	http://archive.org/details.php?identifier=texts
Jellybooks	https://www.jellybooks.com
Just Free Books	http://www.justfreebooks.info
Keendly	http://keendly.com
KindleFeeder	http://www.kindlefeeder.com
KindleNationDay	http://kindlenationdaily.com
KindleWorld	http://kindleworld.blogspot.com
Leatherbound	http://www.leatherbound.me
Lendle	http://lendle.me
LibraryThing	https://www.librarything.com
Librivox	https://librivox.org
Loyal Books	http://www.loyalbooks.com
Many Books	http://manybooks.net
MobiPocket	http://www.mobipocket.com
Narro	https://www.narro.co
Open Culture: Free Audiobooks	http://www.openculture.com/freeaudiobooks
OpeningtheBook	http://www.openingthebook.com
Overdrive	https://www.overdrive.com
ParrotRead	http://parrotread.com
Pixel of Ink	http://www.pixelofink.com
Project Gutenberg	http://www.gutenberg.org
Read	https://medium.com/@readapp/introducing-read-for-ios-de4d2799254a#.z3lrigjr7
Reader IQ	http://www.ereaderiq.com
Readgeek	http://www.readgeek.com

Readism	https://chrome.google.com/webstore/detail/readism-article-reading-t/bmiolhceebkeljaikojgcoefflcihje
Riffle	https://www.rifflebooks.com
SendtoKindle	https://addons.mozilla.org/en-US/firefox/addon/sendtokindle/?src=search
Shelfie	http://www.shelfie.com
TasteKid: Books	http://www.tastekid.com/books
TheBooksProject	http://thebooksproject.co
TheFrugalReader	http://www.thefrugalreader.com
Tinderizer	http://tinderizer.com
WhatShouldIReadNext	http://www.whatshouldireadnext.com
YourNextRead	http://www.yournextread.com

Geospatial Research and Mapping Tools

Tool	Link
Animaps	http://www.animaps.com
Atlasify	http://www.atlasify.com
Batchgeo	http://batchgeo.com
Bing Maps	http://www.bing.com/maps
CartoDB	https://cartodb.com
Colorbrewer	http://colorbrewer2.org
CrowdMap	https://crowdmap.com
CTLRQ Address Lookup	https://ctrlq.org/maps/address
Custom Satellite View Tools	https://inteltechniques.com/osint/menu.maps.html
Dominoc925	https://dominoc925-pages.appspot.com/mapplets/cs_mgrs.html
DualMaps	http://data.mashedworld.com/dualmaps/map.htm
GeoGig	http://geogig.org
GeoNames	http://www.geonames.org
esri	http://www.esri.com
Flash Earth	http://www.flashearth.com
Follow Your World	https://followyourworld.appspot.com
Google Earth	http://www.google.com/earth
Google Maps	https://www.google.com/maps
Google Maps Streetview Player	http://brianfolts.com/reader

Google My Maps	https://www.google.com/maps/about/mymaps
GPSVisualizer	http://www.gpsvisualizer.com
GrassGIS	http://grass.osgeo.org
Here	http://here.com
Hyperlapse	https://github.com/TeehanLax/Hyperlapse.js
Inspire Geoportal	http://inspire-geoportal.ec.europa.eu
InstantAtlas	http://www.instantatlas.com
Instant Google Street View	http://www.instantstreetview.com
Kartograph	http://kartograph.org
Leaflet	http://leafletjs.com
MapAList	http://mapalist.com
MapBox	https://www.mapbox.com
Mapbuildr	https://mapbuildr.com
Mapchart.net	https://mapchart.net
Maperitive	http://maperitive.net
MapHub	https://maphub.net
MapJam	http://mapjam.com
Mapline	https://mapline.com
Mapquest	https://www.mapquest.com
Modest Maps	http://modestmaps.com
NGA GEOINT	https://github.com/ngageoint
OpenLayers	http://openlayers.org
Polymaps	http://polymaps.org
Perry Castaneda Library	https://www.lib.utexas.edu/maps
Open Street Map	http://www.openstreetmap.org
QGIS	http://qgis.org
QuickMaps	https://chrome.google.com/webstore/detail/quick-

	maps/bgbojmobaekceckmomemopckmeipecij
StoryMaps	http://storymaps.arcgis.com/en
Scribble Maps	http://scribblemaps.com
Terrapattern	http://www.terrapattern.com
Tableau	http://www.tableausoftware.com
Timescape	https://www.timescape.io
View in Google Earth	http://www.mgmaps.com/kml/#view
Wikimapia	http://wikimapia.org
World Aeronautical Database	http://worldaerodata.com
WorldMap Harvard	http://worldmap.harvard.edu
ViaMichelin	http://www.viamichelin.com
Yahoo Maps	https://maps.yahoo.com
Zeemaps	https://www.zeemaps.com

News

Tool	Link
1st Headlines	http://www.1stheadlines.com
ABYZNewsLinks	http://www.abyznewslinks.com
AllYouCanRead	http://www.allyoucanread.com
AP	http://hosted.ap.org
Associated France Press (AFP)	http://www.afp.com
BBC News	http://www.bbc.co.uk/news
Bing News	http://www.bing.com/news
CNN	http://edition.cnn.com
Cyber Alert	http://www.cyberalert.com
DailyEarth	http://dailyearth.com
DPA International	http://www.dpa-international.com
The Economist Explorer	https://yvoschaap.com/economist
Euronews	http://www.euronews.com
Europe Media Monitor (EMM)	http://emm.newsexplorer.eu
NewsExplorer	
Factiva	http://www.dowjones.com/factiva
France24	http://www.france24.com
Google News	https://news.google.com
Google News Print Archive	http://news.google.com/newspapers
HeadlineSpot	http://www.headlinespot.com

Itar-Tass	http://www.itar-tass.com
List of Newspapers.com	http://www.listofnewspapers.com
MagPortal	http://www.magportal.com
News Map	http://newsmap.jp
News Now	http://www.newsnow.co.uk
Newseum - Today Front Pages	http://www.newseum.org/todaysfrontpages
Newslink	http://www.newslink.org
NewsLookup	http://www.newslookup.com
Newspaper Map	http://newspapermap.com
Newspaperindex	http://www.newspaperindex.com
Newspapers.com	http://www.newspapers.com
NewsWhip	http://www.newswhip.com
OnlineNewspapers	http://www.onlinenewspapers.com
Paperboy	http://www.thepaperboy.com
PR Newswire	http://www.prnewswire.com
Press Reader	http://www.pressreader.com
Reuters	http://www.reuters.com
Silobreaker	http://www.silobreaker.com
Topix	http://www.topix.com
WorldNews	http://wn.com
World-Newspapers	http://www.world-newspapers.com
Yahoo News	http://news.yahoo.com

News Digest and Discovery Tools

Tool	Link
Flipboard	https://flipboard.com
Hubii	http://hubii.com
inshorts	https://www.inshorts.com
[INSIDE]	http://blog.inside.com
News360	https://news360.com
NewsBot	https://getnewsbot.com
Newsinshorts	http://newsinshorts.com
Nod	http://get-nod.com
Nuzzel	http://nuzzel.com
Quibb	http://quibb.com
Reeder	http://reederapp.com
Spike	http://www.newswhip.com
Storyful	http://storyful.com
Superdesk	https://www.superdesk.org
Trooclick	http://trooclick.com

Fact Checking

Tool	Link
About Urban Legends	http://urbanlegends.about.com
Churnalism	http://sunlightfoundation.com/tools/churnalism-us
Checkdesk	https://meedan.com/en/checkdesk
Citizen Desk	https://www.sourcefabric.org/en/citizendesk
Emergent	http://www.emergent.info
Fact Check	http://www.factcheck.org
Full Fact	https://fullfact.org
MediaBugs	http://mediabugs.org
Snopes	http://www.snopes.com
Verification Handbook	http://verificationhandbook.com
Verification Junkie	http://verificationjunkie.com
Verily	https://veri.ly

Data and Statistics

Tool	Link
AGOA Data Center	http://agoa.info
AidData	http://aiddata.org
ADB Statistics and Databases	http://www.adb.org/data/statistics
AWS Public Datasets	http://aws.amazon.com/datasets
Bank for International Settlements	http://www.bis.org/statistics/index.htm
Statistics	
BP Statistical Review of World Energy	http://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html
Berkely Library: Data Lab	http://www.lib.berkeley.edu/libraries/data-lab
CIA World Factbook	https://www.cia.gov/library/publications/the-world-factbook
Center for International Earth Science Information Network	http://www.ciesin.org
CEPII	http://www.cepii.fr/CEPII/en/welcome.asp
Colombia University Library: General Statistical Sources, International Statistics	http://library.columbia.edu/subject-guides/social-sciences/stats/int.html
Data.gov.uk	https://data.gov.uk
DBPedia	http://wiki.dbpedia.org
European Commission	http://ec.europa.eu/COMMFrontOffice/PublicOpinion

Eurobarometer	
European Union Open Data Portal	http://open-data.europa.eu/en/data
Eurostat	http://ec.europa.eu/eurostat
FAOSTAT	http://faostat3.fao.org
Freebase	https://developers.google.com/freebase
Gapminder World	http://www.gapminder.org/data
GEOHIVE	http://www.geohive.com
globalEDGE Database of International Business Statistics	http://globaledge.msu.edu/tools-and-data/dibs
Google Finance	https://www.google.com/finance
Google Public Data Explorer	http://www.google.com/publicdata/directory
Government of Canada Open Data	http://open.canada.ca/en
HIS Piers	https://www.ihs.com/products/piers.html
Human Development Reports	http://hdr.undp.org/en/global-reports
IDEA Databases	http://www.idea.int/resources/databases.cfm
International Labour Comparisons	http://www.bls.gov/fls/chartbook.htm
International Trade Center	http://www.intracen.org/ByCountry.aspx
ILOSTAT	http://www.ilo.org/ilostat/faces/oracle/webcenter/portalapp/pagehierarchy/Page137.jspx?_afrLoop=443508925711569%26clean%3Dtrue%26_adf.ctrl-state%3D%4dwIdaf3_9
ILO World Employment and Social Outlook Trends	http://www.ilo.org/global/research/global-reports/weso/2015/lang--en/index.htm
IMF World Economic Outlook Database	http://www.imf.org/external/ns/cs.aspx?id=28
Index Mundi	http://www.indexmundi.com

International Data Base	http://www.census.gov/population/international/data/idb/informationGateway.php
International Energy Agency Energy Atlas	http://energyatlas.iea.org
International Energy Agency Statistics	http://www.iea.org/statistics
International Finance Corporation	https://www.wbginvestmentclimate.org/research-and-diagnostics
Data and Indicators	
Junar	http://junar.com
Knoema	https://knoema.com
LandMatrix	http://landmatrix.org
Latinobarometro	http://www.latinobarometro.org
Library, University of Michigan:	http://www.lib.umich.edu/browse/Statistics%20and%20Data%20Sets
Statistics and Datasets	
Nation Master	http://www.nationmaster.com/statistics
OECD Aid Database	http://www.oecd.org/dac/stats/data.htm
OECD Data	https://data.oecd.org
OECD Factbook	http://www.oecd-ilibrary.org/economics/oecd-factbook_18147364
OECD Statistics Directorate	http://www.oecd.org/std
OFFSTATS	http://www.offstats.auckland.ac.nz
Open Data Network	http://www.opendatanetwork.com
Open Government Data	http://opengovernmentdata.org/data
Paul Hensel's General Informational Data Page	http://www.paulhensel.org/dataintl.html
Penn World Table	http://www.rug.nl/research/ggdc/data/pwt/pwt-8.1
Pew Research Center	http://www.pewinternet.org/datasets
Population Reference Bureau Data	http://www.prb.org/DataFinder.aspx

Finder

PRS Risk Indicators	http://www.prsgroup.com
SESRIC Basic Social and Economic Indicators	http://www.sesric.org/baseind.php
SESRIC Databases	http://www.sesric.org/databases-index.php
Statista	http://www.statista.com
The Atlas of Economic Complexity	http://atlas.cid.harvard.edu
The Data and Story Library	http://lib.stat.cmu.edu/DASL
Trading Economics	http://www.tradingeconomics.com
Transparency.org Corruption Perception Index	http://www.transparency.org/cpi2015
UN COMTRADE Database	http://comtrade.un.org
UNCTAD Country Fact Sheets	http://unctad.org/en/Pages/DIAE/World%20Investment%20Report/Country-Fact-Sheets.aspx
UNCTAD Investment Country Profiles	http://unctad.org/en/Pages/Publications/Investment-country-profiles.aspx
UNCTAD STAT	http://unctadstat.unctad.org
UN Data	http://data.un.org
UNDP's Human Development Index	http://hdr.undp.org/en/data
UNECE	http://w3.unece.org/PXWeb/en
UNESCO Institute for Statistics	http://www.uis.unesco.org
UNIDO Statistical Databases	http://www.unido.org/resources/statistics/statistical-databases.html
UNStats Social Indicators	http://unstats.un.org/unsd/demographic/products/social
Upsala Conflict Data Program	http://www.pcr.uu.se/research/UCDP
US Data and Statistics	https://www.usa.gov/statistics



WHO Data	http://www.who.int/gho/en
World Bank Data	http://datatopics.worldbank.org/consumption/home
World Bank Data	http://data.worldbank.org
World Bank Doing Business	http://www.doingbusiness.org
World Bank Enterprise Surveys	http://www.enterprisesurveys.org
World Bank Investing Across Borders	http://iab.worldbank.org
World Integrated Trade Solution	http://wits.worldbank.org
WTO Statistics	https://www.wto.org/english/res_e/statis_e/statis_e.htm
Vizala	https://vizala.com
Zanran	http://zanran.com

Web Monitoring

Tool	Link
AlertBox	https://addons.mozilla.org/en-US/firefox/addon/alertbox
Alltop	http://alltop.com
AOL Reader	http://reader.aol.com
Awasu	http://www.awasu.com
Bridge.Leslibres	https://bridge.leslibres.org
Bridges.Nitche	http://bridges.nitche.org
Bridge.Suumitsu	https://bridge.suumitsu.eu
ChangeDetect	http://www.changedetect.com
ChangeDetection	http://www.changedetection.com
CurioStudio	http://www.curiosudio.com
deltafeed	http://bitreading.com/deltafeed
DiggReader	http://digg.com/login?next=%2Freader
Feed43	http://feed43.com
Feedafever	http://www.feedafever.com
FeedBooster	http://www.qsensei.com
Feederator	http://www.feederator.org
Feed Exileed	http://feed.exileed.com
Feed Filter Maker	http://feed.janicek.co
Feedly	http://www.feedly.com
FeedReader	http://www.feedreader.com

FetchRSS	http://fetchrss.com
Flipboard	http://flipboard.com
FollowThatPage	http://www.followthatpage.com
Google Alerts	http://www.google.com/alerts
InfoMinder	http://www.infominder.com/webminder
IQAlerts	http://iqalerts.com
Mention	https://en.mention.com
Netvibes	http://www.netvibes.com
Newsblur	http://newsblur.com
NewsRSSTicker	http://www.newsrssticker.com
OmeaReader	http://www.jetbrains.com/omea/reader
OnWebChange	http://onwebchange.com
Reeder	http://reederapp.com
RSS Bridge	https://bridge.suumitsu.eu
RSS Feed Reader	https://chrome.google.com/webstore/detail/rss-feed-reader/pnjaodmkngahhkoijehjehlcldlnohgmp
RSS Micro	http://www.rssmicro.com
RSS Search Engine	http://ctrlq.org/rss
RSS Search Hub	http://www.rsssearchhub.com
RSSOwl	http://www.rssowl.org
RSS Subscription Extension	https://chrome.google.com/webstore/detail/rss-subscription-extensio/bmjffnfcoiodbeiamclanljnaheeo?hl=en
Sage	https://addons.mozilla.org/en-US/firefox/addon/sage/?src=search
Selfoss	http://selfoss.aditu.de
Silobreaker	http://www.silobreaker.com
Talkwalker	http://www.talkwalker.com



The Old Reader	http://theoldreader.com
versionista	http://versionista.com
visualping	https://visualping.io
WebReader	http://www.getwebreader.com
WebSite Watcher	http://www.aignes.com/index.htm
Winds	http://winds.getstream.io

Bookmarking

Tool	Link
Bibsonomy	http://www.bibsonomy.org
BonzoBox	http://bonzobox.com
Booky	http://booky.io
Buttons	http://www.makebuttons.co.uk/en
Candybank	https://www.candybank.com
ChannelKit	http://channelkit.com
Clipix	https://www.clipix.com
Curabase	https://www.curabase.com
Diigo	https://www.diigo.com
Dragdis	https://dragdis.com
Evernote	http://evernote.com
Dropmark	http://www.dropmark.com
eLink	https://elink.io
FAVable	http://www.favable.com
Google Bookmarks	https://www.google.com/bookmarks
Instapaper	http://www.instapaper.com
Juxtapost	http://www.juxtapost.com
Keeeb	http://keeeb.com
Klart	https://klart.co
Linkman Pro	http://www.outertech.com/en/bookmarks-favorites

Linkstash	http://www.xrayz.co.uk
LiveBinders	http://www.livebinders.com
Memit	http://www.memit.com
Memonic	http://www.memonic.com
Microsoft OneNote	http://office.microsoft.com/en-us/onenote
mochimarks	https://mochimarks.com
Papaly	https://papaly.com
Paperwork	https://github.com/twostairs/paperwork
Pearltrees	http://www.pearltrees.com
Pocket	http://getpocket.com
Raindrop	https://raindrop.io
Readibility	http://www.readability.com
Refind	https://refind.com
Rrepo	http://www.rrepo.co
Scoop.it	http://www.scoop.it
Scrapbook	https://addons.mozilla.org/en-US/firefox/addon/scrapbook
Scrible	http://www.scrible.com
Sitehoover	http://www.sitehoover.com
Spaaze	http://www.spaaze.com
Stache	http://getstache.com
Thinkery	http://thinkery.me
Trackplanet	https://trackpanel.net
Wepware	http://www.wepware.com
Wonderpage	http://www.wonderpage.com
xmarks	http://www.xmarks.com
Zotero	http://www.zotero.org

Startpages

Tool	Link
allmyfaves	http://www.allmyfaves.com
ighome	http://www.ighome.com
iloggo	http://iloggo.com
Kadaza	http://www.kadaza.com
Myfav.es	http://myfav.es
My Yahoo	https://my.yahoo.com
Protopage	http://www.protopage.com
Startific	http://startific.com
Start.io	http://start.io
Startme	http://www.startme.com
Symbaloo	http://www.symbaloo.com
uStart.org	http://www.ustart.org
Yourport	http://www.yourport.com
Zeadoo	http://www.zeadoo.com
Zenstart	http://www.zenstart.com

Browsers

Tool	Link
Brave	https://brave.com
CentBrowser	http://www.centbrowser.com
Chrome	https://www.google.com/chrome
Comodo Dragon	https://www.comodo.com/home/browser-tools/browsers-toolbar.php
Coowon	http://coowon.com
Edge	https://www.microsoft.com/en-us/windows/microsoft-edge/microsoft-edge
Firefox	https://www.mozilla.org
Maxthon	http://www.maxthon.com
Opera	http://www.opera.com
Safari	http://www.apple.com/safari
Sleipnir	http://www.fenrir-inc.com/jp/sleipnir
Slimjet	http://www.slimjet.com
SRWare Iron	http://www.srware.net/en/software_srware_iron.php
Torch	http://www.torchbrowser.com
UCBrowser	http://www.ucweb.com
Vivaldi	https://vivaldi.com
Yandex Browser	https://browser.yandex.com/desktop/main

Offline Browsing

Tool	Link
A1 Website Download	http://www.microsystools.com/products/website-download
Cyotek WebCopy	http://www.cyotek.com/cyotek-webcopy
gmapcatcher	https://github.com/holdersepu/gmapcatcher
Hooey webprint	http://www.hooeywebprint.com.s3-website-us-east-1.amazonaws.com/download.html
HTTrack	http://www.httrack.com
Offliberty	http://offliberty.com
Resolver	https://metaproductsrevolver.com
SiteSucker	http://ricks-apps.com/osx/sitesucker/index.html
WebAssistant	http://www.proxy-offline-browser.com/download.html
Website Ripper Copier	http://www.tensons.com/products/websiterippercopier

VPN Services

Tool	Link
TorrentFreak List of VPNs	https://torrentfreak.com/anonymous-vpn-service-provider-review-2015-150228

Notetaking

Tool	Link
Cherrytree	http://www.giuspen.com/cherrytree
Evernote	https://www-evernote.com
Fetchnotes	http://www.fetchnotes.com
Google Keep	https://keep.google.com
inkdrop	https://www.inkdrop.info
KI1p	http://ki1p.com
Laverna	https://laverna.cc
Listacular	http://www.bloomingsoft.com/listacular
Microsoft OneNote	https://www.onenote.com
Notebook	https://www.zoho.com/notebook
Scribble	http://scribble.wreally.com
Simplenote	http://simplenote.com
somnote	http://somcloud.com/about/somnote
Squid	http://squidnotes.com
Tomboy	https://wiki.gnome.org/Apps/Tomboy
Workflowy	https://workflowy.com
wridea	http://wridea.com

Annotation Tools

Tool	Link
A.nnotate	http://a.nannotate.com
Annotator	http://annotatorjs.org
Diigo	https://www.diigo.com
Easy Annotate	http://www.easy-annotate.com
Hypothesis	https://hypothes.is
Note Anywhere	https://chrome.google.com/webstore/detail/note-anywhere/bohahkiiknkelflnjjlipnaeapefmjbh
Pith.li	http://pith.li
Pund.it	http://thepund.it
Skitch	https://evernote.com/skitch

Writing and Office Tools

Tool	Link
Arguman	http://en.arguman.org
Bibme	http://www.bibme.org
Cite This For Me	https://chrome.google.com/webstore/detail/cite-this-for-me-web-cite/nnnmhgkokpalnmbelghomegjfkklkle?hl=en
Classeur.io	http://classeur.io
FreeOffice	http://www.freeoffice.com
Grammarly	https://chrome.google.com/webstore/detail/grammarly-for-chrome/kbfnbcaeplbciaoakkpcpgfkobkghlhen?hl=en
GoogleDocs	https://www.google.com/docs/about
KingSoft	http://www.kingsoftstore.com
LibreOffice	https://www.libreoffice.org
MS Office	https://products.office.com
Office Online	https://chrome.google.com/webstore/detail/office-online/ndjpnladcallmjemlbaebfadecfhkepb/related
OmniOutliner	https://www.omnigroup.com/omnioutliner
OnlyOffice	https://www.onlyoffice.com
oTranscribe	http://otranscribe.com
Scrivener	http://literatureandlatte.com/scrivener.php
TextExpander	https://smilesoftware.com/textexpander
UltraEdit	http://www.ultraedit.com



WriteApp

<https://writeapp.me>

Slideshow and Presentation Tools

Tool	Link
Canva	https://www.canva.com/create/presentations
Deckset	http://www.decksetapp.com
emaze	https://www.emaze.com
GoogleDocs	https://docs.google.com
Haiku Deck	https://www.haikudeck.com
Keyonote	http://www.apple.com/de/mac/keynote
KingSoft	http://ksosoft.com/product/presentation-free.html
KnowledgeVision	http://www.knowledgenvision.com
LibreOffice	https://www.libreoffice.org
Live Slides	https://www.liveslides.com
Mighty Meeting	http://www.mightymeeting.com
Movenote	http://www.movenote.com
MS Office	https://products.office.com
MySlidePresenter	http://www.myslidepresenter.com
Powtoon	https://www.powtoon.com
Presentation Next	http://www.presentationnext.net
presenterswall	http://www.presenterswall.com
Prezi	https://prezi.com
Slidedog	http://slidedog.com
Slideidea	http://slideidea.com

SlidePresenter	http://www.slidepresenter.com
SlideRocket	http://www.sliderocket.com
Slides	https://slides.com
SpeechInMinutes	http://www.speechinminutes.com/
Sway	https://sway.com
vcasmo	http://www.vcasmo.com
Visme	http://www.visme.co
Zoho Docs	https://www.zoho.com/docs/show.html

Digital Publishing

Tool	Link
Canva	https://www.canva.com
Doclayer	https://standaert.net/doclayer
Issuu	https://issuu.com
Lucidpress	https://www.lucidpress.com
Mag.io	http://mag.io
My eBook	http://www.myebook.com
Omeka	http://omeka.org
Scribd	https://www.scribd.com
Yudu	http://yudu.com

Newsletter Tools

Tool	Link
AWeber	http://www.aweber.com
BombBomb	http://bombbomb.com
Campayn	http://campayn.com
Canva	https://www.canva.com
ConstantContact	http://www.constantcontact.com
Freshmail	http://freshmail.com
GetResponse	http://www.getresponse.com
iContact	https://www.icontact.com
MadMimi	https://madmimi.com
Mailchimp	http://mailchimp.com
Mailjet	https://www.mailjet.com
Mailup	http://www.mailup.com
Newsletter Creator for Gmail	https://chrome.google.com/webstore/detail/newsletter-creator-for-gm/cihaednhfbocfdiflmpccekcjepcnmb
sendinblue	https://www.sendinblue.com
Sendicate	https://www.sendicate.net
Sendloop	https://sendloop.com
Signupto	https://www.signupto.com
TinyLetter	http://tinyletter.com
VerticalResponse	http://www.verticalresponse.com



Vision6

<http://www.vision6.com.au>

Digital Storytelling

Tool	Link
Adobe Voice	https://standout.adobe.com/voice
Animatron	https://www.animatron.com
Animoto	https://animoto.com
Atavist	https://atavist.com
Capzles	http://www.capzles.com
Closr	https://www.closr.it
eStory	https://ejfox.github.io/sStory
Exposure	https://exposure.co
Interlude	https://interlude.fm
Klynt	http://www.klynt.net
MakeBeliefsComix	http://www.makebeliefscomix.com
Metta	http://www.metta.io
Neatline	http://neatline.org
Odyssey	https://cartodb.github.io/odyssey.js
Pageflow	http://pageflow.io
Photodex	http://www.photodex.com
Piclits	http://www.piclits.com/compose_dragdrop.aspx
Racontr	https://racontr.com
RaptMedia	http://www.raptmedia.com
RawShorts	http://www.rawshorts.com

Shorthand Social	https://shorthand.com/social
Slate	https://slate.adobe.com
Steller	https://steller.co
Storify	https://storify.com
Storyboard	http://generator.acmi.net.au/storyboard
Storyform	https://storyform.co
StoryMap	https://storymap.knightlab.com
StoryMaps	http://storymaps.arcgis.com
Sway	https://sway.com
Thinglink	https://www.thinglink.com
Tripline	http://www.tripline.net
Wevideo	https://www.wevideo.com
VideoScribe	http://www.videoscribe.co
Zaption	http://www.zaption.com
Zooburst	http://zooburst.com

Infographics and Data Visualization

Tool	Link
Adobe Color CC	https://color.adobe.com/create/color-wheel
Aeon	http://www.aeontimeline.com
Arbor.js	http://arborjs.org
Beaker	http://beakernotebook.com
Befunky	https://www.befunky.com
Bizint	http://www.bizint.com
Cacoo	https://cacoo.com
Canva	https://www.canva.com
chartblocks	http://www.chartblocks.com
Charted	http://wwwcharted.co
Chartico	http://chartico.com
Chart.js	http://www.chartjs.org
Circos	http://circos.ca
creately	http://creately.com
Crossfilter	http://square.github.io/crossfilter
csvkit	https://github.com/wireservice/csvkit
Data Visualization Catalogue	http://datavizcatalogue.com
D3js	https://d3js.org
Datawrapper	https://datawrapper.de
Dropmark	http://www.dropmark.com

dygraphs	http://dygraphs.com
easily	http://www.easel.ly
Exhibit	http://www.simile-widgets.org/exhibit
Flot	http://www.flotcharts.org
FusionCharts	http://www.fusioncharts.com
Google Developers: Charts	https://developers.google.com/chart
GraphX	http://spark.apache.org/graphx
Helpmeviz	http://helpmeviz.com
Highcharts	http://www.highcharts.com
Hohli	http://charts.hohli.com
Inkscape	https://inkscape.org
Infogr.am	https://infogr.am
Java Infovis Toolkit	http://philogb.github.io/jit
JpGraph	http://jpgraph.net
jqPlot	http://www.jqplot.com
Kartograph	http://kartograph.org
Knoema	https://knoema.com
Leaflet	http://leafletjs.com
Listify	http://listify.okfnlabs.org
Linkurioius	http://linkurio.us
LocalFocus	https://www.localfocus.nl/nl
Lucidchart	https://www.lucidchart.com
Mapline	https://mapline.com
Nodebox	https://www.nodebox.net
OpenLayers	http://openlayers.org
Palladio	http://hdlab.stanford.edu/palladio
Piktochart	https://piktochart.com

Pixcone	http://www.pixcone.com
Pixxa	http://www.pixxa.com
Plotly	https://plot.ly
SpicyNodes	http://www.spicynodes.org
StoryMap	https://storymap.knightlab.com
QlikView	https://www.visualintelligence.co.nz/qlikview
Quadrigram	http://www.quadrigram.com
Raphael	http://dmitrybaranovskiy.github.io/raphael
RAW	http://raw.densitydesign.org
RichChartLive	http://www.richchartlive.com/RichChartLive
Shanti Interactive	http://www.viseyes.org
Silk	https://www.silk.co
Snappa	https://snappa.io
Statpedia	http://statpedia.com
Tableau	http://www.tableau.com
Tableau Public	https://public.tableau.com
Tagul	https://tagul.com
Textures.js	https://riccardoscalco.github.io/textures
Tiki-toki	http://www.tiki-toki.com
Tik-tok	https://datanews.github.io/tik-tok
Timeflow	https://github.com/FlowingMedia/TimeFlow/wiki
Timeglider	http://timeglider.com/widget
Timeline	http://timeline.knightlab.com
Timeline	http://www.simile-widgets.org/timeline
Timescape	https://www.timescape.io
Timetoast	http://www.timetoast.com
Weave	http://oicweave.org



Wordle	http://www.wordle.net
Venngage	https://venngage.com
Visage	https://visage.co
Vis.js	http://visjs.org
Visme	http://www.visme.co
Visualize Free	http://visualizefree.com/index.jsp
Visualize.me	http://vizualize.me
visually	http://create.visual.ly
Vortex	http://www.dotmatics.com/products/vortex
ZingChart	http://www.zingchart.com

Image and Photo Editing

Tool	Link
Apple Photos	http://www.apple.com/osx/photos
Aviary	https://www.aviary.com
Befunky	https://www.befunky.com
Croppola	http://croppola.com
FastSTone	http://www.faststone.org
Fotor	http://www.fotor.com
Foto Flexer	http://fotoflexer.com
Gimp	http://www.gimp.org
Hugin	http://hugin.sourceforge.net
Image Composite Editor	https://research.microsoft.com/en-us/um/redmond/projects/ice/
Image Tricks Lite	https://itunes.apple.com/us/app/image-tricks-lite/id403735824?mt=12
Irfanview	http://www.irfanview.com
LightZone	http://lightzoneproject.org
Lunapic	http://www124.lunapic.com/editor
ON1 Effects 10	https://www.on1.com/apps/effects10free
OnlineImageSplitter	http://www.htmlkit.com/services/is
Paint.NET	http://www.getpaint.net/index.html
PhotoPlus	http://www.serif.com/free-photo-editing-software
Photoscape	http://www.photoscape.org/ps/main/index.php

Photoshop	http://www.photoshop.com
picfull	http://www.picfull.com
PicMoneky	http://www.picmonkey.com
Pixlr	https://pixlr.com
Polarr	https://www.polarr.co
Seashore	http://seashore.sourceforge.net
SumoPaint	http://www.sumopaint.com
TinyPNG	https://tinypng.com

Productivity Tools

Tool	Link
2Do	http://www.2doapp.com
Any.do	http://www.any.do
Asana	https://asana.com
Dapulse	https://dapulse.com
Droptask	https://www.droptask.com
Flask	http://flask.io
Focus booster	https://www.focusboosterapp.com
Freecamp	https://freecamp.com
Good night Chrome	http://www.goodnightchrome.com
Leechblock	https://addons.mozilla.org/en-US/firefox/addon/leechblock
MorningRoutine	http://www.ubicolor.com/morningroutine.html
MyLifeOrganized	http://www.mylifeorganized.net
Pintask	https://pintask.me
PomodoroTechnique	http://pomodorotechnique.com
Producteev	https://www.producteev.com
Remember the Milk	https://www.rememberthemilk.com
RescueTime	https://www.rescuetime.com
Restya	http://restya.com
StayFocusd	https://chrome.google.com/webstore/detail/stayfocusd/laankejkbhbdhmipfmgcngdelahfogi/details

Taskboard	https://taskboard.matthewross.me
TikiTiki	https://ticktick.com
Tinygain	https://tinygain.com
Trello	https://trello.com
Todo.ly	https://todo.ly
Todo	http://todotxt.com
Todoist	https://en.todoist.com
Toggle	https://www.toggl.com
Tomighty	http://www.tomighty.org
Toodledo	https://www.toodledo.com
Workflowy	https://workflowy.com
Wunderlist	https://www.wunderlist.com

E-mail Management

Tool	Link
ActiveInbox	http://www.activeinboxhq.com
AutoHotkey	https://www.autohotkey.com
Batched Inbox	https://www.batchedinbox.com
Baydin	https://www.baydin.com
BetterGmail	https://addons.mozilla.org/en-US/firefox/addon/better-gmail-2/
Block Sender	https://chrome.google.com/webstore/detail/block-sender/bklnjbfcmlhiaoppccckdodancbelcg
Boomerang Mail	http://www.boomeranggmail.com
ClearContext	http://www.clearcontext.com
Cleanfox	https://www.cleanfox.io
CloudMagic	https://cloudmagic.com
Complete	https://complete.li
FindBigMail	https://www.findbigmail.com
Followupthen	https://www.followupthen.com
gpum	https://addons.mozilla.org/en-US/firefox/addon/gpum
Hiver	http://hiverhq.com
Integrated gmail	https://addons.mozilla.org/en-US/firefox/addon/integrated-gmail
Mailstore	http://www.mailstore.com
Hubspotsales	https://chrome.google.com/webstore/detail/hubspot-sales/oiiagjnkhnghnodbnoookogelabohpglmd?hl=en



Minimalist	https://chrome.google.com/webstore/detail/minimalist-for-everything/bmihblnpomgpjkfddepdpdafhhepbek
NudgeMail	https://www.nudgemail.com
Rapportive	https://rapportive.com
Sanebox	https://www.sanebox.com
Send for Gmail	https://chrome.google.com/webstore/detail/send-from-gmail-by-google/pgphcomnlaojlmcmcjmiddhdapjpbgeoc
Sortd	http://www.sortd.com
TrueNew	https://chrome.google.com/webstore/detail/truenewtm-count-for-gmail/lhggbgmbdabgjdephnmkpmcdkmnpiahlb
Ugly Email	https://uglyemail.com
Unroll.me	https://unroll.me
Wisestamp	https://chrome.google.com/webstore/detail/wisestamp-email-signature/pbcgnkmbeodkmijjjfnliicelkjfcldg

Document and Reference Management

Tool	Link
Colwiz	https://www.colwiz.com
DocumentCloud	https://www.documentcloud.org
Endnote	http://endnote.com
F1000	http://f1000.com
Investigative Dashboard	https://data.occrp.org
Search	
Mendeley	https://www.mendeley.com
Omnity	https://www.omnity.io
Overview	https://www.overviewdocs.com
Papers	http://papersapp.com
Readcube	https://www.readcube.com
RefME	https://www.refme.com
Zotero	https://www.zotero.org

PDF Management

Tool	Link
Foxit Reader	https://www.foxitsoftware.com/products/pdf-reader
ilovepdf	http://www.ilovepdf.com
PDFExpert	https://pdfexpert.com
PDFx	http://www.metachris.com/pdfx
Smallpdf	http://smallpdf.com
Tabula	http://tabula.technology
XODO	http://xodo.com
Xpdf	http://www.foolabs.com/xpdf/home.html

OCR Tools

Tool	Link
I2OCR	http://www.i2ocr.com
Free Online OCR	https://www.newocr.com
Online OCR	http://www.onlineocr.net

Cloud Storage and File Sharing

Tool	Link
4Shared	http://www.4shared.com
ADrive	http://www.adrive.com
Amazon Cloud drive	https://www.amazon.com/clouddrive/home
Box	https://www.box.com
Boxcryptor	https://www.boxcryptor.com
Cloudapp	http://www.getcloudapp.com
CloudFuze	https://www.cloudfuze.com
CloudHQ	https://www.cloudhq.net
Copy	https://www.copy.com
Dropbox	https://www.dropbox.com
Dropcanvas	http://dropcanvas.com
Droplr	https://droplr.com
DropSend	http://www.dropsend.com
Duplicati	http://www.duplicati.com
Egnyte	http://www.egnyte.com
Ge.TT	http://ge.tt
GoodSync	http://www.goodsync.com
Google Drive	https://www.google.com/intl/nl/drive
hubiC	https://hubic.com
iCloud	https://www.icloud.com

Jolicloud	https://www.jolicloud.com
Mediafire	https://www.mediafire.com
Mega	https://mega.nz
Mindbox	https://minbox.com
Mozy	http://mozy.com
Multicloud	https://www.multicloud.com
Onedrive	https://onedrive.live.com
Onehub	https://www.onehub.com
Otixo	http://www.otixo.com
pCloud	https://www.pcloud.com
Sendthisfile	https://www.sendthisfile.com
Sendspace	https://www.sendspace.com
Simple.Savr	https://www.ssavr.com
Spideroak	https://spideroak.com
SugarSync	https://www.sugarsync.com
Syncthing	https://syncthing.net
TransferBigFiles	https://www.transferbigfiles.com
Tresorit	https://tresorit.com
WeTransfer	https://www.wetransfer.com

Web Automation

Tool	Link
Cloud Work	https://cloudwork.com
Dropbox	http://wappwolf.com/dropboxautomator
IFTTT	https://ifttt.com
Sikuli	http://www.sikuli.org
WeWiredWeb	https://wewiredweb.com
Workflow	https://workflow.is
Zapier	https://zapier.com

Dashboard Tools

Tool	Link
Analytics Portfolio	https://analyticsportfolio.com
Chartio	https://chartio.com
Clicdata	http://www.clicdata.com
Cyfe	http://www.cyfe.com
Dashthis	https://dashthis.com
DataDeck	https://www.datadeck.com
Geckoboard	https://www.geckoboard.com
Happy Metrics	https://www.happymetrix.com
Klipfolio	http://www.klipfolio.com
Qlik	http://www.qlik.com
Visually	http://visual.ly

Wikis

Tool	Link
DokuWiki	https://www.dokuwiki.org/dokuwiki
Foswiki	http://foswiki.org
MediaWiki	https://www.mediawiki.org/wiki/MediaWiki
PmWiki	http://www.pmwiki.org
Scribbleton	http://scribbleton.com
TiddlyWiki	http://tiddlywiki.com
Tiki Wiki	https://info.tiki.org
Torchpad	https://torchpad.com
TWiki	http://twiki.org
Wikia	http://www.wikia.com/Wikia
Wikidot	http://www.wikidot.com
Wikispaces	http://www.wikispaces.com
wikidPad	http://wikidpad.sourceforge.net
Zim	http://zim-wiki.org/downloads.html

Collaboration and Project Management

Tool	Link
10k insights	https://www.10000ft.com
15Five	http://www.15five.com
92fiveApp	http://92fiveapp.com
5pm	http://www.5pmweb.com
ActionMint	https://www.actionmint.com
ActiveCollab	https://www.activecollab.com
Advanseez	http://www.advanseez.com
Agilewords	http://www.agilewords.com
Agilezen	http://www.agilezen.com
AllThings	http://www.allthings.io
Any.do	http://www.any.do
Apollo	http://www.apollohq.com
Asana	https://asana.com
Authorea	https://www.authorea.com
AWW	https://awwapp.com
Azendoo	https://www.azendoo.com
Basecamp	https://basecamp.com
Binfire	https://www.binfire.com
Breeze	https://www.breeze.pm
Canvanizer	https://canvanizer.com

Casual	https://casual.pm
Cardboardit	https://cardboardit.com
Cardsmith	http://cardsmith.co
CloudApp	http://www.getcloudapp.com
Cnverg	https://cnverg.com
Colabolo	http://colabolo.com
Collabtive	http://collabtive.o-dyn.de
CollaborateCloud	http://www.collaboratecloud.com
Comindwork	http://www.comindwork.com
Conceptboard	https://conceptboard.com
Confluence	https://www.atlassian.com/software/confluence
CoSketch	http://cosketch.com
Crowdbase	http://crowdbase.com
Dayboard	https://dayboard.co
Deekit	https://www.deekit.com
Draw.to	http://draw.to
eGroupWare	http://www.egroupware.org
Elegantt	https://elegantt.com
Encrypted Cloud	https://www.encryptedcloud.com
Firepad	https://firepad.io
Firesub	https://firesub.com
Flask	http://flask.io
Float	https://www.float.com
Flockdraw	http://flockdraw.com
Flow	https://www.getflow.com
Frame	https://frame.io
Freedcamp	https://freedcamp.com

GetDoneDone	https://www.getdonedone.com
Glasscubes	https://www.glasscubes.com
GQueues	https://www.gqueues.com
GroupZap	http://groupzap.com
Hightail	https://www.hightail.com
hitask	https://hitask.com
Huddle	https://www.huddle.com
KabanTool	http://kanbantool.com
Kanboard	https://kanboard.net
Kerika	http://kerika.com
Linky dink	http://linkydink.io
Listacular	http://www.bloomingsoft.com/listacular
Loomio	https://www.loomio.org
LumoFlow	https://lumoflow.com
Mammoth	https://mammothhq.com
MyKanzen	https://mykanzen.com
Nozbe	https://nozbe.com
Nutcache	http://www.nutcache.com
Minute	https://www.getminute.com
Mural	https://mural.co
OmniGroup	https://www.omnigroup.com
OnlyOffice	https://www.onlyoffice.com
Padlet	https://padlet.com
Piematrix	http://www.piematrix.com
Pinstriped	http://pinstriped.com
PivotalTracker	http://www.pivotaltracker.com
Plan	https://plan.io

Plancake	http://www.plancake.com
Planleaf	http://www.planleaf.com
Planzone	https://www.planzone.com
Podio	https://podio.com
PrimaryPad	http://primarypad.com
ProjectManager	https://www.projectmanager.com
ProjectPlace	https://www.projectplace.com
ProofHub	https://www.proofhub.com
Quip	https://quip.com
Quire	https://quire.io
Realtimeboard	https://realtimeboard.com
Redbooth	https://redbooth.com
Restya	http://restya.com
Reverb	http://reverbapp.com
ScadaPlan	http://scadaplan.com
Scribblar	http://www.scribblar.com
SeavusProjectViewer	https://www.seavusprojectviewer.com
Smartsheet	https://www.smartsheet.com
Stackfield	https://www.stackfield.com
Stormboard	https://www.stormboard.com
Sync.in	http://sync.in
SyncSpace	http://infinitekind.com/syncspace
Taiga	https://taiga.io
TargetProcess	https://www.targetprocess.com
Taskboard	https://taskboard.matthewross.me
TeamAllocator	http://www.teamallocator.com
Team.fm	https://team.fm

Teamgum	http://www.teamgum.com
Team Pad	https://www.team-pad.com
TeamWork	https://www.teamwork.com
TeamWorklive	http://www.teamworklive.com
TitanPad	https://titanpad.com
Todoyu	http://www.todoyu.com
Transparent Business	http://transparentbusiness.com
Trello	https://trello.com
Tuzzit	https://www.tuzzit.com
Twiddla	http://www.twiddla.com
Twoodo	https://www.twoodo.com
updatey	http://updatey.com
Web Whiteboard	http://webwhiteboard.com
Weekdone	https://weekdone.com
Wekan	https://wekan.io
wePaste	http://www.wepaste.com
Whiteboard	http://whiteboard.co
Whiteboard	http://whiteboard.drewwilson.com
Whiteboard Fox	https://whiteboardfox.com
Worknoard	http://www.workboard.com
Workfront	https://www.workfront.com
Wrike	https://www.wrike.com
Yammer	https://www.yammer.com
YouTrack	https://www.jetbrains.com/youtrack
Zoho	https://www.zoho.com

Communication Tools

Tool	Link
Adobe Connect	http://www.adobe.com/products/adobeconnect.html
AnyDesk	http://anydesk.com/remote-desktop
AnyMeeting	https://www.anymeeting.com
Auralink	http://auralink.com
Babblebay	http://www.babblebay.com
BeamYourScreen	http://www.beamyourscreen.com
Blackboard	http://www.blackboard.com/online-collaborative-learning/index.aspx
blind	https://us.teambblind.com
Campfire	https://www.campfirenow.com
clearvale	https://www.clearvale.com/marketing/en
Digital Samba	http://www.digitalsamba.com
Discourse	http://www.discourse.org
eBLVD	https://www.eblvd.com
Ekiga	http://ekiga.org
Encrypted Cloud	https://www.encryptedcloud.com
Exo Platform	https://www.exoplatform.com
FaceFlow	http://www.faceflow.com
Fleep	https://fleep.io
Flowdock	https://www.flowdock.com

FreeConferenceCall	https://www.freeconferencecall.com
FreeScreenSharing	https://www.freescreensharing.com
Friends	http://moose-team.github.io/friends
Glance	http://ww2.glance.net
GoToMeeting	http://www.gotomeeting.com
Highfive	https://highfive.com
HipChat	https://www.hipchat.com
icq	https://icq.com
iLinc	http://www.ilinc.com
Infinite	http://www.infiniteconferencing.com
Intercall	http://www.intercall.com
iWowWe	http://www.iwowwe.com
Jam vee	https://www.jamvee.com
Jitsi	https://jitsi.org
Join.me	https://www.join.me
Jostle	http://www.jostle.me
Let's Chat	http://sdelements.github.io/lets-chat
lifesize	http://www.lifesize.com
Linphone	http://www.linphone.org
Live Conference Pro	http://www.liveconferencepro.com
Lucid Meetings	http://www.lucidmeetings.com
LumoFlow	https://lumoflow.com
Mashme tv	http://www.mashme.tv
Meet.fm	https://meet.fm
MeetingOne	https://www.meetingone.com
MeWe	https://mewe.com
mikogo	https://www.mikogo.com

mobilimeet	http://mobilimeet.com
MyBB	http://www.mybb.com
omNovia	http://www.omnovia.com
ooVoo	http://www.oovoo.com
Open Whisper Systems	https://whispersystems.org
Personify	http://www.personify.com
PGi iMeet	http://www.pgi.com/imeet
Phorum	http://www.phorum.org
Polycom	http://www.polycom.com
Quicktopic	http://www.quicktopic.com
ReadyTalk	https://www.readytalk.com
RingCentral	http://www.ringcentral.com
Rocket.Chat	https://rocket.chat
screenleap	http://www.screenleap.com
Sharetronix	http://sharetronix.com
sifonr	http://www.sifonr.com/
Simple Signal	http://www.simplesignal.com
Skarpline	https://skarpline.com
Skype	http://www.skype.com
Slack	https://slack.com
Socialtext	http://www.socialtext.com
StartMeeting	https://www.startmeeting.com
Talky	https://talky.io
Teamviewer	https://www.teamviewer.com
Telegram	https://telegram.org
Tibbr	http://www.tibbr.com
Tixeo	https://www.tixeo.com/en/secure-video-conferencing

Toc	http://toc.im
TrueConf	http://trueconf.com
Twchat	http://twchat.com
Unicorns	https://unicorns.io
Vanilla Forums	http://vanillaforums.org
Veeting rooms	https://www.veeting.com
VeriShow	http://www.verishow.com
Viadesk	http://www.viadesk.com
VideoLink2	https://videolink2.me
Vivicom	http://www.vivicom.de
VMukti	http://www.vmukti.com/web-conferencing-software.html
Webex	http://www.webex.com
WhatsApp	https://www.whatsapp.com
worklife	https://www.worklife.com
Yugma	https://www.yugma.com
Zeetings	http://www.zeetings.com
Zoho Meeting	https://www.zoho.com/meeting
Zoom	https://zoom.us
Zulip	https://www.zulip.org
Zyncro	http://www.zyncro.com

Calendars and Scheduling

Tool	Link
Assistant	http://www.assistant.to
Bunchapp	http://bunchapp.io
Calendly	https://calendly.com
Cozi	http://www.cozi.com
Doodle	http://doodle.com
Foogi	http://www.foogi.me
Meekan	https://meekan.com
Meetin.gs	http://www.meetin.gs
MyMemorizer	http://www.mymemorizer.com
ScheduleOnce	http://www.scheduleonce.com
TeamUp	http://www.teamup.com
Teamweek	https://teamweek.com

Mind Mapping, Concept Mapping and Idea Generation Tools

Tool	Link
The Brain	http://www.thebrain.com
Bubbl.us	https://bubbl.us
Comapping	http://www.comapping.com
Coogle	https://coggle.it
Createaly	http://createaly.com
Edynco	https://www.edynco.com
Fast Idea Generator	http://diytoolkit.org/tools/fast-idea-generator-2
Freemind	http://freemind.sourceforge.net/wiki/index.php/Main_Page
Freeplane	http://freeplane.sourceforge.net/wiki/index.php/Main_Page
Germ	https://germ.io
GroupMap	http://www.groupmap.com
iMindMap	http://imindmap.com/products/imindmap
iMindQ	https://www.imindq.com
InstaGrok	http://www.instagrok.com
Lucidchart	https://www.lucidchart.com
Mattermap	https://www.mattermap.nl
Mind42	http://mind42.com
Mind Genius	http://www.mindgenius.com

Mindjet	https://www.mindjet.com
Mind Manager	https://www.mindjet.com/mindmanager
Mind Map	https://chrome.google.com/webstore/detail/mindmap/gdaeohpmcenmffofpikllphdhllkkocfa#detail/mindmap/gdaehpmcenmffofpikllphdhllkkocfa
Mindmeister	https://www.mindmeister.com
Mindomo	https://www.mindomo.com
Popplet	http://popplet.com
Realtimeboard	https://realtimeboard.com
Scapple	http://literatureandlatte.com/scapple.php
Sketchboard	http://sketchboard.io
Slatebox	https://slatebox.com
Spicynodes	http://www.spicynodes.org
Spiderscribe	http://www.spiderscribe.net
StoryMap	https://storymap.knightlab.com
Wise Maping	http://www.wisemapping.com
yWorks	http://www.yworks.com/en/products_yed_gallery.html
Xmind	http://www.xmind.net

Social Network Analysis

Tool	Link
Gephi	https://gephi.org
NodeXL	http://nodexl.codeplex.com
ORA	http://www.casos.cs.cmu.edu/projects/ora/software.php
Sentinel Visualizer	http://www.fmsasg.com
Wynyard Group	https://wynyardgroup.com
Visual Investigative Scenarios	https://vis.occrp.org

Privacy and Encryption Tools

Tool	Link
Abine	https://www.abine.com
AdblockPlus	https://adblockplus.org
Adium	https://adium.im
Axcrypt	http://www.axantum.com/axcrypt
Blender	https://addons.mozilla.org/en-US/firefox/addon/blender-1
boxcryptor	https://www.boxcryptor.com
CCleaner	https://www.piriform.com/ccleaner
Chatsecure	https://chatsecure.org
ClearConsole	https://addons.mozilla.org/en-US/firefox/addon/clear-console
Click&Clean	https://addons.mozilla.org/en-US/firefox/addon/clickclean
Crypto.cat	https://crypto.cat
Disconnect	https://disconnect.me
Do Not Track	http://donottrack.us
Duck Duck Go Search	https://duckduckgo.com
Engine	
EncSF MP	http://encfsmp.sourceforge.net
Encrypted Cloud	https://www.encryptedcloud.com
Epic Privacy Browser	https://www.epicbrowser.com
Eraser	http://eraser.heidi.ie
FileVault	https://support.apple.com/en-us/HT204837

Ghostery	https://www.ghostery.com
Gmelius for Inbox by Gmail	https://chrome.google.com/webstore/detail/gmelius-for-inbox-by-gmail/dlbjhjnahgmigifoggidegpakbcjomgg
GNU PG	https://www.gnupg.org/download/index.html
GPG Tools	https://gpgtools.org
Guardian Project	https://guardianproject.info
Guerrilla Mail	https://www.guerrillamail.com
Hotspot Shield	https://www.hotspotshield.com
HTTPs Everywhere	https://www.eff.org/https-everywhere
I2P	https://geti2p.net
IBackup	https://www.ibackup.com/online-backup-downloads
IPLeak	https://www.ipleak.net
Ixquick Search Engine	https://www.ixquick.com
justdeleteme	http://justdelete.me
KeePass Password Safe	http://keepass.info
Lastpass	https://lastpass.com
Lockbin	https://lockbin.com
Mailbox	https://mailbox.org
Mailvelope	https://www.mailvelope.com
Master Password	http://masterpasswordapp.com
Motherpipe	https://motherpipe.com
Nixory	http://nixory.sourceforge.net
NoScript	https://noscript.net
Open DNS	https://www.opendns.com/home-internet-security
Open PGP	https://www.enigmat.net/index.php/en
Open Whisper Systems	https://whispersystems.org
Oscobo Search Engine	https://oscobo.co.uk

OSSEC	https://ossec.github.io
Panopticlick	https://panopticlick.eff.org
Peerblock	http://forums.peerblock.com
Pidgin	https://www.pidgin.im
Pixel Block	https://chrome.google.com/webstore/detail/pixelblock/jmpmfcjnflbcoidlgapblgpgbilnlem
Policeman	https://addons.mozilla.org/en-US/firefox/addon/policeman
Privacy Badger	https://www.eff.org/privacybadger
Privacy Pal	http://www.privacypal.co
Privazer	http://privazer.com
Proton Mail	https://protonmail.com
Qubes	https://www.qubes-os.org
Script Safe	https://chrome.google.com/webstore/detail/scriptsafe/oiigbmnaadbkfbmpbfijlflahbdbdgdf?hl=en
Securesha	https://securesha.re
Silent circle	https://www.silentcircle.com
Snort	https://www.snort.org
Spideroak	https://spideroak.com
Surveillance Self	https://ssd.eff.org
Defense	
Tails	https://tails.boum.org
Thunderbird	https://www.mozilla.org/en-US/thunderbird
Tor Project	https://www.torproject.org
uBlock	https://www.ublock.org
Unseen.is	https://unseen.is
Wickr	https://wickr.com
WOT	https://www.mywot.com



VeraCrypt	https://veracrypt.codeplex.com
Viivo	https://viivo.com
ZMail	http://zmail.sourceforge.net

Other Tools

Tool	Link
Barcode Reader	http://online-barcode-reader.inliteresearch.com
Datasploit	http://seclist.us/datasploit-a-tool-to-perform-various- osint- techniques.html?utm_content=buffer0b619&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer
The Harvester	https://code.google.com/p/theharvester
Maltego	http://www.paterva.com/web6/products/maltego.php
OpenRefine	https://github.com/OpenRefine
OsintStalker	https://github.com/milo2012/osintstalker
Outwit	http://www.outwit.com
Recon-ng	https://bitbucket.org/LaNMaSteR53/recon-ng
Recorded Future	https://www.recordedfuture.com
Scaper Wiki	https://scraperwiki.com
Tapir	https://github.com/pentestify/tapir
Wikimindmap	http://www.wikimindmap.org/