**##Surface Search Engine Vs Deep Web Search Engine Index**

Surface web search engine also known as visible web. This is the part of world wide web that is available to the general public and searchable with standard web search engine.

Google, Yahoo and Bing are the index of surface web. Google dosen’t index the deep web because the don’t have every username and password of every person on the earth.

Vs

Deep web search engin also known as unvisible web. This is the part of world wide web that is not available to the general public and not easy to searchable with standard web search engine.

Google, Yahoo and Bing are unable to index the deep web. The site which are hidden from the user and search engines the links which are directly provided to the user who are eligible to access they are provided with authentication details which are to be used in the given logon link, like to access Banking racords and Medical records. It is not indexed by search engins. The deep web is primarily made up of personal information that you need a username and password to access.

**##Deep web Search Engines Indexes**

The deep web is exactly what it sounds like: the underground internet, the portion that’s not indexed by traditional search engines like Google or Bing—and it’s much bigger than you might realize. But deep web search engines also provide a lot of educational archives, hidden articles from academic journals, and intel on news around the world. Here are the best deep search engines.

**1) Torch**

Torch has one of the largest search engines in the deep web, as they claim to have an index of more than a million hidden page results. It is one of the oldest search engines.

**2) DuckDuckGo**

This deep web search engine web has a clean and easy to use interface and doesn’t track your discoveries. The options for topics to search are endless, and you can even customize it to enhance your experience.

**3)**[**Onion URL Repository**](http://32rfckwuorlf4dlv.onion/)

The Onion URL Repository has a massive index of over a million page results and does not set limits on what information it holds close.

**4)**[**Uncensored Hidden Wiki**](http://zqktlwi4fecvo6ri.onion/wiki/index.php/Main_Page)

When you search the deep web occasionally, you’ll discover useful places where you need to be careful. The Uncensored Hidden Wiki is very much one of those locations, an uncensored collection of links and articles that, over the site’s history, have included links to information on criminal activities from drugs to child pornography. The site has cleaned up its act considerably, but there are still links to graphic content and possibly illegal sites to be found. If you can look past those elements, however, Uncensored Hidden Wiki is a treasure trove of deep web information. Inside you’ll discover blogs about Tor, links to deep web email services, and even social networks.

**5)**[**The WWW Virtual Library**](http://vlib.org/)

This is the oldest archives in the whole World Wide Web, the WWW Virtual Library has an index with results pertaining to everything from agriculture to social and behavioral sciences. The search engine was created by the same man who created the foundations of web itself, Tim Berners-Lee, so you know it’s the real deal.

**6) notEvil**

This search engine users can skip all the clutter and distraction from surfing the web with no ads. It’s clean and mimics the look of Google.

**7)**[**ParaZite**](http://kpynyvym6xqi7wz2.onion/links.html)

The deep web can seem like a terrifying place, but part of the fun of discovery is opening doors and not knowing what’s behind them. ParaZite is a search engine that gamified the deep web. Beyond its basic, and useful, search features, it also offers up the chance to gamble by taking you to a random site on the deep web. It’s basically the deep equivalent of Google’s “Feeling Lucky” feature—except using it I was taken to a new email client, a black market site, and an essay on why children are jerks. Make sure you’re using a firewall and [VPN](https://www.dailydot.com/debug/what-is-a-vpn/) before you fire up ParaZite.

**8)**[**TorLinks**](http://torlinkbgs6aabns.onion/)

The directory in TorLinks has a wide range of intellectual results, with the most notable being the literary section.

**9) Grams**

This is the search engine to end all drug-related hunts. Down in the depths, users are able to search effectively for the dark net drugs that are available for purchase on the majority of web page results.

**10)**[**Touchgraph**](http://www.touchgraph.com/seo/launch?q=solar%20power)

Touchgraph gets visual with the deep web scavenger hunt. The algorithm it uses is specifically designed to cluster the relationship between your search results to create a visual result—a creative touch to make searching more exciting.

**11)**[**Start Page**](https://www.ixquick.com/)

Ixquick’s Start Page is one the best search engines available, even if you’re not using Tor. Unlike other search engines, Start Page doesn’t record your [IP address](https://www.dailydot.com/debug/what-is-an-ip-address/), allowing you to keep your search history secret. It’s bothersome that Google knows everything about you. Start Page is a way to do some research without sharing your information with someone else.

**12) Ahmia.fi**

Ahmia.fi is a great search engine for beginners who are new to the deep web. It takes about five seconds to figure out how the search engine works. Once cracked, scouring the deep web becomes a breeze.

**13)**[**Yippy**](http://www.yippy.com/search?v%3aframe=form&frontpage=1&v%3aproject=clusty-new&)

Like Touchgraph, this search engine also collects your searches to make a common result or pattern, but without the visual aspect. Instead, it’s simple like Google.

**SOUCES**

<https://www.dailydot.com/layer8/best-deep-web-search-engines/>

<https://hackernoon.com/deep-web-dark-web-explained-dd3b1e6855e?fbclid=IwAR0unpbgE_Do1-dYNdzCmcAkIB3Ij3qmu3wdos00l7UGVTMZRiqBJLlx7VY>

<https://www.itseducation.asia/deep-web.htm>

**##Dark/Deep Web exploration Framework and Algorithm**

Search Engine basically scan the web using a “spider” tool. This tool creat a big number of index what is out there. When you search a good they show the selection you see from the index, refeerd to as surface web. But lots of pages are not visible to the tool so they are hidden.

This is what we mean by the Deep Web. The deep web is 400 to 500 times larger than the surface internet according to some estimates (www.worldwidewebsize.com) which means there could be over 1,800 BILLION hidden items of content. It makes sense then that the deep web is an excellent potential source of information for those doing academic research and data mining.