**Search Engines**

**StartPage**

Based in New York and Netherlands

Dedicated to ensuring that search information cannot be linked back to you

* IP address used to search isn’t shared
* Meta search engine – uses just google

**IxQuick**

Meta search engine – uses top 10 search engines to aggregate search responses

This stops your search from being directly related to you and instead done by IxQuick

If you go to a page with google code or analytics running on it, then google will still be able to identify you by the cookies stored in your browser, could even use referrer links etc.

* Would need to delete, remove and disable cookies in advance of using these search engines to stop google tracking you across those sites

Both search engines actually offer **proxies** for certain websites

* However, JavaScript won’t work through the proxy so most websites that need JS also wont work

**DuckDuckGo**

Meta search engine based in US

**DisconnectSearch**

Meta search engine based in US

No logging of keywords, personal information or IP Addresses

**YaCy**

Creates a local proxy on port 8090 that is automatically connected to through the browser

P2P network, no centralised server, decentralised technology using nodes (peers) who also use YaCy

Uncensorable due to decentralisation

Communication is not encrypted so must be used with an anonymising service like VPN, Tor, John Donym etc.

**Private and Anonymous Browsing**

Enable private browsing

Use HTTPS

Use privacy focused search engines

Hardened Browser

Use anonymising services

**How to see what google has logged on you**

History.google.com/history

Disable logging 🡪 Activity logging