Flash proxy

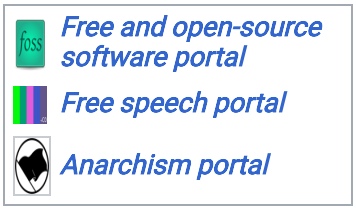
Flash proxy is a pluggable transport and proxy which runs in a web browser. Flash proxies are an Internet censorship circumvention tool which enables users to connect to the Tor anonymity network (amongst others) via a plethora of ephemeral browser-based proxy relays. The essential idea is that the IP addresses contingently used are changed faster than a censoring agency can detect, track, and block them. The Tor traffic is wrapped in a WebSocket format and disguised with an XOR cipher.[1]

Implementation

A free software[2] implementation of flash proxies is available. It uses JavaScript, WebSocket, and a Python implementation of the obfsproxy protocol,[3] and was crafted by the Security Project in Computer Security at Stanford University.[4] This work was supported by the Defense Advanced Research Project Agency (DARPA) and the Space and Naval Warfare Systems Center Pacific under Contract No. N66001-11-C-4022.[5]

See also

- Crypto-anarchism
- Cryptocat
- CryptoParty
- Freedom of information
- Internet censorship
- Internet privacy
- Proxy server



References

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2. "Welcome to nginx" (https://archive.today/20130924085605/https://gitweb.torproject.org/flashproxy.git/blob_plain/HEAD:/LICENSE) . *gitweb.torproject.org*. Archived from the original (htt

ps://gitweb.torproject.org/flashproxy.git/blob_plain/HEAD:/LICENSE) on 24 September 2013. Retrieved 27 January 2022.

3. "Combined flash proxy + pyobfsproxy browser bundles | The Tor Blog" (https://blog.torproject.org/blog/combined-flash-proxy-pyobfsproxy-browser-bundles) . *Blog.torproject.org*. 2013-02-23. Retrieved 2016-04-10.
4. "Flash Proxies" (https://crypto.stanford.edu/flashproxy/) . *Crypto.stanford.edu*. Retrieved 2016-04-10.
5. Jones, Martin (2011). "Biting the Hand That Serves You: A Closer Look at Client-Side Flash Proxies for Cross-Domain Requests". Lecture Notes in Computer Science. Vol. 6739. pp. 85–103. doi:10.1007/978-3-642-22424-9_6 (https://doi.org/10.1007%2F978-3-642-22424-9_6) . ISBN 978-3-642-22423-2. `{{cite book}}: |journal=` ignored (help); Missing or empty `|title=` (help)

External links

- The primary developer gives an overview at Stanford University (http://coursematerials.stanford.edu/courses/ee380/130220-ee380-300.asx)