# DNS Privacy Project Homepage

Welcome to the DNS Privacy project home page

This site is the home of a collaborative open project to promote, implement and deploy DNS Privacy. The goals of this project include:

- Raising awareness of the issue of DNS Privacy
- Empowering users to take advantage of DNS Privacy tools and resources (client applications, DNS Privacy resolvers)
- Evolving the DNS to support DNS Privacy in particular developing new DNS Protocol standards
- Working towards full support for DNS Privacy in a range of Open Source DNS implementations including: getdns, Unbound, NSD, BIND and Knot (Auth and Resolver)
- Co-ordinating deployment of DNS Privacy services and documenting operational practices

Among the many contributors to this project are Sinodun IT, NLnet Labs, SalesForce, Surftnet, NLnet Foundation, OTF, Stephane Bortzmeyer and No Mountain Software.

DNS Privacy - Current Work
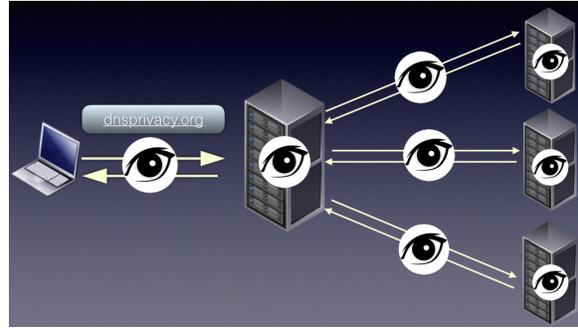
[See past DNS Privacy work](#)

October 2019

- Comcast begin a phase one of a DoH public beta: https://doh.xfinity.com/dns-query and a DoT public beta: dot.xfinity.com
- ICANN OCTO document including evaluation of encrypted DNS: Local and Internet Policy Implications of Encrypted DNS
- Mozilla release FAQ on DoH: DNS over HTTPS FAQs.
- DNSCrypt implements a scheme similar in concept to Oblivious DNS ANONYMIZED DNSCRYPT
- Nice article on DNS Security: Threat Modeling DNSSEC, DoT, and DoH from netmeister.org
- Netherlands National Cyber Security Centre publishes a factsheet on DNS monitoring Factsheet DNS monitoring will get-harder
- Opera announces experimental support fro DoH on an opt-in basis.

September 2019

- Another blog from Bert Hubert: Centralised DoH is bad for privacy in 2019 and beyond
- IMC Paper: An Empirical Study of the Cost of DNS-over-HTTPs
- And today the Encrypted DNS Deployment Initiative launches: " a collaborative effort to ensure the smooth global adoption and reliable operation of DNS encryption technology. "
- Chrome announces experiment to upgrade to DoH with existing DNS provider
- OpenBSD has disabled DoH in their Firefox packages
- Firefox announce rollout of DoH by default in the USA during September.... and it will use Cloudflare
    - And a non-standard method to disable it.....
    - And details of how to do this in BIND
- And.... some reaction about the Firefox DoH announcement...
    - CircleID - http://www.circleid.com/posts/20190906_dns_over_https_the_privacy_and_security_concerns/
    - ISP Review - https://www.ispreview.co.uk/index.php/2019/09/headache-for-uk-isps-as-firefox-adopt-dns-over-https-by-default.html
    - Think Broadband - https://www.thinkbroadband.com/news/8525-doh-on-its-way-to-firefox-for-usa-users-first
    - ZDNet - https://www.zdnet.com/article/mozilla-to-gradually-enable-dns-over-https-for-firefox-us-users-later-this-month/
    - Computer Business Review - https://www.cbronline.com/news/firefox-dns-over-https
    - Engadget - https://www.engadget.com/2019/09/07/firefox-dns-over-https-by-default/
    - Forbes - https://www.forbes.com/sites/zakdoffman/2019/09/08/firefox-announces-major-new-encryption-default-to-protect-millions-of-users/#2ee8308518c0
    - MenaFN - https://menafn.com/1098979803/India-Soon-Firefox-will-encrypt-domain-name-requests-by-default

August 2019

- Great study on fingerprinting websites based on Encrypted DNS Queries encrypted-dns-privacy-a-traffic-analysis-perspective
- BIND announce future support for DoT in their annual report ISC annual report
- Various of opinion pieces on DoH/DoT
    - InfoBlox Blog 'DoT DoH and the DNS Last Mile Security Problem'
    - Nice article from Stacie Hoffman on 'Recalibrating the doh debate'
- UK Internet Watch Foundation writes to the UK secretary of State about DoH.
- Experimental support for DoH in Knot Resolver

Overview of DNS Privacy Status

High level overview of ongoing work on DNS Privacy with monthly updates

DPRIVE Working Group

Catch up with the latest standards being developed to support DNS Privacy: DPRIVE Working group

Reference Material

For a list of useful RFCs, Internet Drafts and presentations see the Reference Material page.

Support

Contact

If you are interested in contributing to the project please contact:

- Sara Dickinson (sara@sinodun.com)
- Allison Mankin (allison.mankin@gmail.com)
- Benno Overeinder (benno@NLnetLabs.nl)

We now have a twitter account: and a YouTube channel

Comments, JIRA and Bitbucket Access

After a spate of spam comments we have reluctantly change permissions so that commenting on pages requires a user account. An account also provides access to submit general privacy issues in the issue tracker and contribute to the code repositories create a user account (note that Stubby has it's own issue tracker in github):

Sign up for a user account