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, Surfnet, NLnet Foundation, OTF, Stephane Bortzmeyer and No Mountain Software.

DNS Privacy - Current Work

See past DNS Privacy work

July 2019

- IETF DPRIVE WG: New updated drafts of using TLS for Zone transfers: DNS Zone Transfer over TLS and DNS Zone Transfer using DNS Stateful Operations
- Enterprises openly discussing blocking DoH endpoints, and publishing lists of IPs
- Big twitter debates over the pros and cons of DoH to Cloudflare including
  - Declaration of the 'Streisand effect' happening
  - Allegations of the first malware using DoH
- UK ISPA announces finalists for 2019 Internet Villains, including Mozilla its for 'DoH by default' plans, then backs down but with detailed explanation because
- Mozilla finally make a clear statement about their Firefox DoH plans in the UK: 'We have no current plans to enable DoH by default in the UK', but they don't rule out other European countries.

June 2019

- IETF ADD BoF: Plans announced to hold a BoF at IETF 105 in Montreal for 'Applications doing DNS'
- IETF DNSOP WG: Latest version of a mechanism to discover recursive resolver information including DoT/DoH: DNS Resolver Information Self-publication
- Google officially launches its Public DoH service
- A flurry of opinion papers, meetings and media discussion about DoH/DoT
  - ICANN 65 (Policy Forum): Policy Aspects of DNS over HTTPS (DoH), DNS over TLS (DoT) and Related Issues
  - Eurodig 2019: "DNS over HTTPS – What is it, and why should you care?"
  - The Open Rights Group Report
  - CENTR position paper on DoH
- NSD 4.2 supports DoT - first open source authoritative server to do this!

Overview of DNS Privacy Status

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

Contact

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

Thanks to NLnet Foundation and OTF for donations to support DNS Privacy work. Thanks for past support from Verisign Labs.

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 its own issue tracker in github):

Sign up for a user account