DoH?

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IETF 104 - Prague - Side meeting

Documents

- RFC 7626 - DNS privacy considerations
- RFC 8484 - DNS Queries over HTTPS (DoH)
- `draft-dickinson-bcp-op` - Recommendations for DNS Privacy Service Operators
- `draft-dickinson-doh-dohpe` - DoHPE: DoH with Privacy Enhancements
- `draft-bertola-bcp-doh-clients` - Recommendations for DNS Privacy Client Applications
- `draft-livingood-doh-implementation-risks-issues` - Centralized DNS over HTTPS (DoH) Implementation Issues and Risks
- `draft-reid-doh-operator` - DNS over HTTPS (DoH) Considerations for Operator Networks
- May be also `https://blog.powerdns.com/2019/02/07/the-big-dns-privacy-debate-at-fosdem/`

Expected results of the side meeting?

- Agreement on a list of issues?
- Place(s) to discuss these issues?

Possible list of issues

- The protocol? HTTP too revealing: `draft-dickinson-doh-dohpe`
- Some deployment models, with centralization (2 or 3 public resolvers for everyone?, DoC, "DNS over Cloud" or DaO). See also `draft-arkko-iab-internet-consolidation`
- Applications bypassing the OS for the name resolution ("resolverless" or ADD "Applications Doing DNS")
- Loss of control by some actors (ability to see what's going on and/or to change it)
- Issues with public resolvers (for instance location-dependent answers, "split horizon")