ADD BoF - IETF105

DoH Client & Server Behaviour
HTTP v DNS Transport - I

• How should/shouldn’t HTTP PUSH be used with application/dns-message elements?
  • Potential for browser cache poisoning and hijacking
  • Are “unsolicited” PUSHes OK or not?
• What’s the scope of HTTP PUSH?
  • TTL value, display context, current tab, something else?
HTTP v DNS Transport - 2

- Should/could lookups made with DoH get different answers from the same query made over port 53?
- Should web browser caches honour DNS negative caching?
  - And RFC8198 (was draft-*-nsec-aggressiveuse)?
- Handling of TSIG-signed requests by DoH resolvers
  - What about non-query requests - dynamic updates, NOTIFY?
DoH Resolver Behaviour

• Honouring the IANA root on the public Internet

• DoH resolver servers MUST support DNSSEC?

• And other DNS goop - EDNS, ECS, qname minimisation, handling “unknown” RRtypes, DNS cookies, etc.

• What do DNS & EDNS header bits mean to a DoH resolver?