

DoH Update to At Large CPWG

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(in personal capacity)

What we have seen so far

- The protocol is simple and innocent
 - and there's more than one (DoH, DoT, ...)
 - in fact, DNS over http started as an engineers' joke
- Protocol does not imply deployment model
 - but may „help“ thru side effects/properties
- Privacy and Confidentiality are related, not equal
 - Eavesdropping, MITM
 - Response rewriting
 - „censorship“/blocking

What we have seen so far (ii)

- DNS blocking is not an effective measure of policing content
 - DoH does not change that
 - But, YES, the Emperor really has no ...
- the „filtering debate“ is a distraction
 - see above
 - regulatory surface shrinks by way of concentration: lesser targets
- Trusted Recursive Resolvers (TRR)
 - user choice – for the masses, really?
 - governance?

What could be seen from high in the sky

- highly decentralized resolution function (unnecessarily) concentrated
 - DNS following email?
- name space issues
 - oligopoly of resolvers agreeing on „additional name spaces“?
- „micro fragmentation“
 - device no longer under single control w.r.t. infrastructure use
- influence on standards making and deployment
 - remember KSK rollover discussion and „resolvers left behind“?
- Internet vs Web?