

## EDDI 9.19.19 London

### Present

- Glenn, Comcast
- Andy, BT
- Jim, Infoblox
- Bob, Schlumberger
- Ian, Attis
- Hugh, Sky
- Adam, Sky
- Kathryn
- Dave, BT
- Andrew C, 419 Consulting
- Alastair, Sky
- Sam, Sam Knows
- Alex, Sam Knows
- Nancy, ISPA
- Andrew, Andrews and Arnold
- Alex, Andrews and Arnold
- Ray, RFC
- Chris, BT (via audioconference)

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### Notes:

We used the attached PDF as a guide to conversation, but the format was essentially an open conversation with many voices sharing their ideas.

The big focus was on walking through the workstreams initial ideas from github and talking about additional workstreams that people thought would be valuable additions, as captured below.

### Potential Workstreams Brainstorm

(See also <https://github.com/Encrypted-DNS-Deployment-Initiative/Workstreams/blob/master/Initial-Ideas.md>)

Item – further actions in red if applicable	Additional Detail	“Owner” / contributors
Testing and measurement	GitHub	
Resolver selection	GitHub	

Canary domains and conflict detection – eg multiple domains for different apps? Better implementation methods than returning NXDomain etc	GitHub
Scaling and architectural discussions	GitHub
Security and attack resilience	GitHub
DoT positioning (eg priority vs DoH)	GitHub
DNS data policies (eg data privacy)	GitHub
Opt-in vs. opt-out for encrypted DNS	GitHub
RPZ and trust anchor issues	GitHub
Recursive to authoritative	GitHub
Things to document, eg use cases (including sector specific ones), compliance issues	GitHub
Implications of the shift of resolver selection from the operating system to applications	
Definitions, eg of “user” in the context of resolver choices – see the IETF glossary as a starting point to avoid duplication of effort	
List of DNS RFCs – Bert Hubert of PowerDNS has a good starting point	
Defining a robust test methodology	
CDN interaction	
Possible DoH protocol enhancements, eg resolver discovery mechanism, cooperation with DHCP	
Information / fact gathering, eg on customer satisfaction with DNS arrangements, data on underlying issues, the real situation regarding DNS monetisation (for advertising, cyber intel, CDN performance etc)	
Performance of DNS over QUIC	
Educational materials – eg what is DNS, Do53 vs DoT vs DoH etc	
Explanatory deck on EDDI with high level content on goals etc	GitHub
DNSSEC	
Parental controls	
Browser flag to show what DNS resolver and protocol is being used at any given time	
Schedule of events covering encrypted DNS – RIPE has good starting point, to ensure the DNS OARC meetings are added, ditto the EU High Level Internet Forum on 10 <sup>th</sup> October. <b>Andrew C to collate, input needed from others</b>	
“TRR” additions / modifications – eg for public DNS providers, data to be shared with network operators re malware	

Andrew C

We then discussed how to organize working together in EDDI...

## How to work together

- Use GitHub for document drafting and sharing - <https://github.com/Encrypted-DNS-Deployment-Initiative/Workstreams/blob/master/Initial-Ideas.md>
- Use the EDDI mailing list sign up [here](#) if you've not already done so
- Participate in the weekly conference call hosted by Andrew C on Mondays at 4:00pm UK time, commencing 30<sup>th</sup> September

## Outreach

- Encourage others to join the EDDI mailing list
- If they wish to be listed as EDDI participants, get them to mail their company logo to Glenn Deen ([glenn\\_deen@comcast.com](mailto:glenn_deen@comcast.com))

## Other Activity

- Sam - The FCC is kicking off a study into DoT and DoH (covering performance, availability, latency etc) using the FCC / Sam Knows monitors. The University of Chicago will analyse the data collected, with the results expected early 2020.
- Andy – ETNO is looking at DoH

## Future Meetings

- We're planning another UK meet up in London on November 1<sup>st</sup> – details to follow.
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- We also discussed the need to find a way to engage with the larger set of participants. There was a general agreement that such a meetup is needed, and that it would be great if it could coincide with another event to aid travel commitments, **suggestions needed.**

Regards  
Glenn

