DNS Privacy:

Public Resolver Proposal

RIPE 72   DNS-WG

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DNS Privacy

- DPRIVE working group has been busy!

  - RFC7626 - DNS Privacy Considerations

  - RFC7858 - Specification for DNS-over-TLS

  - RFC7830 - EDNS0 Padding Option

  - (RFC7816 - DNS Query Name Minimisation to Improve Privacy)

  - I-D: DNS-over-DTLS

  - I-D: DNS-over-(D)TLS authentication profiles

Theory - but not practice (yet!)

- We have the Standards…

- Reference implementations are ready/on the way:
  - Client: getdns   (daemon)
  - Recursive: Unbound   (WIP)

- Deployment: No operational services yet…

DNS Privacy Service

- Discussions have started with a number of organisations about providing the first DNS Privacy service

- Bringing this to RIPE community: call for interested parties from among the RIPE membership

DNS Privacy Service

- Experimental offering:
  - **A 'pilot' with a clear fixed end point**
  - provide service to the community
  - gain operational experience running DNS-over-TLS at scale
  - support research on additional privacy enhancing mechanisms

DNS Privacy Service

QUESTION: Would any RIPE members be interested in offering a DNS-over-TLS privacy-enhanced public recursive?

- For Discussion: Would RIPE NCC consider running a service **IF** there was community support for this?