

Unilateral DNS Probing between Recursive and Authoritative Servers

IETF 113 DNS Privacy (July 2022)

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[draft-ietf-dprive-unilateral-probing](#)

Recap about **unilateral-probing**

- Guidance to both Authoritative Servers and Recursive Resolvers
- No explicit coordination

draft-ietf-dprive-unilateral-probing

Changelog: from -00 to -01

- Moved discussion of non-opportunistic encryption to an appendix
- Clarify state transitions when sending over encrypted transport
- Introduced new field `E-last-response[X]` for comparison with persistence

Progress?

- PowerDNS Recursor 4.7.0 implements probing for ADoT
 - (authoritative for powerdns.com also offers ADoT)
- other implementers?

Current outstanding questions

- Clarify error handling
- Standards track?
- Visualizing state transitions?

Critique, Suggest, Contribute!

- Implementers/deployers: share the lessons you've learned!
- Mailing list reviews and comments
- Gitlab issues and pull requests

<https://gitlab.com/dkg/dprive-unilateral-probing>