



Delegation Revalidation

<https://datatracker.ietf-dnsop-ns-revalidation-13>

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Refresher

Revision -00 was published September 2020, ~ 6 years ago.

Idea goes back further to 2009/2010

resolver side mitigation of cache poisoning (Wijngaards), and resimprove (Vixie et.al.)

Features:

- Comport better with DNS protocol data ranking rules
- Security/privacy improvements
- Make NS infrastructure changes visible to resolvers faster
- (Newer applications: pre-deleg secure transport signaling?)

Refresher (continued)

Resolver implementers do their own thing!

Extended discussions with folks like Ralf Weber about alternative referral processing algorithms (parent centric etc) - rationale: fewer queries - minimize resolver work, child NS sets (lower in the hierarchy) sometimes include non-working servers, etc.

Accommodation:

- clearly indicate this algorithm is optional (and also specific subsections of it)
- acknowledge there are other ways of doing this with different tradeoffs

And encourage proponents of other methods to write up their own competing draft(s)

- See Ondrej Sury's presentation (coming up)

Latest (final?) updates

Changes in [-13](#) mostly editorial

- fixing typos, grammar, inconsistencies, adding clarifying text, etc.
- (-12 had addressed all previous WGLC comments)

Several IETFers to me: “Why isn’t this published already? It’s been running in the field for ages without issues”?

What else needs to be done to wrap this up?