Another Look at DNS Priming: draft-klh-dnsop-rfc8109bis

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IETF 114
Why revise RFC 8109

• Priming is important and can be done wrong
• Some issues leading up to RFC 8109 were punted
• Some new issues have arisen
Changes to RFC 8109 in draft-klh-dnsop-rfc8109bis

- Added section on the content of priming information
- Added paragraph about no expectation that the TC bit in responses will be set
- Changed “man-in-the-middle” to “machine-in-the-middle” to be both less sexist and more technically accurate
- Clarified that there are other effects of machine-in-the-middle attacks
- Clarified language for root server domain names as “root server identifiers”
- Added informative references to RSSAC documents
- Added short discussion about this document and private DNS
Still more changes to be made

- How to pre-fetch
- Describe some post-priming strategies
- . . .
WG adoption?

- RFC 8109 was a WG document, so its successor certainly should be as well.
- There’s no rush, but the document already has many things that an implementer should know.