Time Since Received
(draft-ietf-tllq-tsr)

Ted Lemon <elemon@apple.com>
Changes from old version

• Fingerprinting the message was the wrong approach.
  • Might have two versions of data from the same host
  • Some data maybe was in different update than other data
• Instead, we just say who is authoritative for the data
• This doesn’t change over time
New TSR record format

• TSR record is now an EDNS(0) option and not an RR
• The reason for doing this is that mDNS listeners that do not understand TSR will ignore unknown EDNS(0) options.
• Contents:
  • index into DNS message to identify TSR owner name
  • Key hash (too big, I think we should use a key tag)
  • Time Since Received, as in previous TSR draft
• Only need one TSR per owner name
Why EDNS(0)

- Using an EDNS(0) option allows us to include a TSR for answers
  - Previously we’d only done it for authority records
  - This means we always have the TSR when doing conflict detection, not only for probes.
- This means we don’t need to probe to avoid spurious conflicts
Implementation Status

• We are currently doing an initial implementation
• We’ll tell you how it went at the next meeting
• If others are interested in interop testing, please be in touch
Time Since Received

Ted Lemon <elemon@apple.com>