

Time Since Received

(draft-ietf-tllq-tsr)

Ted Lemon <elemo@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>