DNS Session Signaling

draft-ietf-dnsop-session-signal-02

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Stuart Cheshire, Apple (presenting)
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98th IETF, Chicago, Illinois, March 2017
For managing properties of long-lived sessions (like TCP connections)

Discussion of previous issues resulted in three main changes:

• Restore standard twelve-octet header
  - But section are empty (counts MUST be zero)
• Every request message elicits a response message
• Split single timeout value into two
  - Idle timeout
  - Keepalive interval
Split single timeout value into two

Idle timeout
• Time client can keep connection open, speculatively expecting future operations

Interval between keepalive messages
• Client liveness
• Server liveness
• NAT mapping refresh
Planned Updates

Add text prohibiting name compression

If any section non-empty, return FORMER (instead of “silently ignore”)

Final polish for readability

Plan for DNSOP Working Group Last Call in two weeks: Tuesday 11th April
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