HOW TO REFUSE QUERIES?

ÓLAFUR GUÐMUNDSSON, MAREK MAJKOWSKI @CLOUDFLARE
JOE ABLEY @DYN

DNSOP @ IETF-92

DNS authoritative operators perspective

- Do not like to answer some questions

  - No value seen in answering

  - Policy reasons only some "entities" are allowed

  - Security concern

  - Extra work, etc.

- Desire to do this in a uniform way

  - Avoid breakage

Options:

- Drop query

- RCODE=NOERROR, TC =1 on UDP

  - what about TCP behavior ?

- RCODE = REFUSED

- RCODE = NOTIMP

- RCODE = NOERROR, ANS=0 ==> no data

- RCODE= NOERROR, ANS=1, RTYPE=NULL

- RCODE=NOERROR, ANS=1, RTYPE=<new>

Path forward?

- Draft will reflect the will of the working group if there is consensus on how to do this.

- what other types should this cover ?

  - RRSIG + Meta Queries (RRType 128..255)?

  - Others?