DNS "Aliases" Problem Statement Update
draft-ietf-dnsext-aliasing-requirements-01

DNSEXT
IETF 80
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Summary: Things we have

- initial terms
- broad characterization of "the problem"
  - use cases
  - application vs. API vs. DNS
  - DNS client vs. DNS authority server
- initial set of requirements
- possible solutions
  - some criteria for usefulness
  - some criteria for evaluating costs

Issues for -02

- Mailing list comments still to be added
    - possible solutions
    - expansion of applications issues
- ICANN IDN Variants project?
- Terminology overhaul

Next steps: Things We Need

- detail in the use cases
  - IDN-based
  - non-IDN-based
- detail of what applications need
  - is "application sameness" different to "DNS sameness"?
  - how much more work is too much?
- ***Are these the right requirements?***

A Proposed (Tentative) Conclusion

- Sources of complexity include user expectation, application needs, DNS operational practice, and DNS protocol

- We've made some progress characterizing problems and solutions, costs and benefits, but choosing tradeoffs is policy, not protocol

- A modest improvement to the difficulty of provisioning DNS to support "aliases," with a corresponding improvement in support for applications to use it, is possible,

- *IF* we accept it will take a long time to deploy