Related Domains By DNS (RDBD)

draft-brotman-rdbd-02

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IETF105, Montreal, July 2019

Summary

- Declare or disavow a relationship between names in the DNS
  - New RRTYPE (RDBD)
- Does not imply trust nor other semantics
- Tag field for +/- and to allow later extensibility

```
dept-example.com. IN 3600 RDBD 1 example.com.
dept-example.com. IN 3600 RDBD 0 bad-example.com.
```

- Optional signature mechanism modelled on DNSSEC

Use Cases

- Anti-abuse analysis

- Marketing department uses outside vendor

- Creating new domains

- Chart relationships between absorbed entities

- Internet surveys/research

- Independently operating regional offices

Changes

- Based on Feedback from IETF104:
  - Added negative assertions via 2nd rdbd-tag value
  - Relating domain Name → Name or URL
- Didn't change back to DKIM-like syntax for RR value but might in future
- Scripted up sample generation
- Git repo for draft and sample generation code: https://github.com/abrotman/related-domains-by-dns

Our goal: progress (a flavour of) this if it'd be deployed

Questions/Comments?

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Discussion to date has been on old DBOUND list: dbound@ietf.org