Resolver Improvements

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Where We Are

- Original -00 draft published last year some time
  - Nobody reads it
- WGLC
  - Somebody read it, many comments, mostly editorial
- -01 promised in time for Prague
  - Dog eats homework
- You are “here”
  - There's only one controversial issue
Why We're Here

- Cached NXDOMAIN
  - We think it should stop downward traversal
  - Some say it can indicate an empty nonterminal
  - RFC 1034/1035 was pretty clear on this
  - DNSSEC clarifies it further
- DBJDNS / RBLDNSD
  - Emits NXDOMAIN on empty nonterminals
  - Still in wide use
  - Abandonware
Known Arguments

• In favour
  • x.net, a.x.net, b.x.net
    - Three stub queries
    - One upstream query
  • Spec never unclear
  • DNSSEC is a “+1”

• Opposed
  • RBLDNSD, TinyDNS
    - Never worked this way
    - Can't be repaired
  • x.net, a.x.net, b.x.net seems unlikely
Unknown Arguments

<i>insert idea here</i>