Resolver Improvements

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March 2011

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

<insert idea here>