

draft-wkumari-dnsop-dist-root

Paul Hoffman and Warren Kumari
IETF 90, Toronto

What we did in the -00 and -01 drafts

- Suggested a lot of things that were possibly conflicting
- Listed all the advantages and disadvantages of the various proposals
- Confused the hell out of everyone
- Whoopsie

What we want to do in -02

- Choose just one way to do things based on the discussion so far
- Be a lot clearer on what are goals for the proposal vs. what are additional, less important benefits from the proposal

Goals first

- Describe a secure way for a recursive resolver to be able to continue serving if its paths to some or all the root servers are broken by DDoS or other similar problem
- Reduce the number of queries to the root servers for things that are going to get an NXDOMAIN response

Specific changes from the discussion

- Resolvers using this protocol respond to root queries with the AA bit off: no slaving
- Check every hour to see if the root zone has changed, pull if there is a difference
- Pull from servers that are **not** DNS root zone servers: don't put more stress on them