draft-spacek-dnsop-update-clarif-01

Clarifications to the Dynamic Updates in the Domain Name System (DNS UPDATE) specification

Motivation

- RFC 2317 shows how to use CNAME for Classless IN-ADDR.ARPA delegation
  - It does not mention update at all
  - I did not find single client which handles dynamic updates in RFC 2317-style zones properly
    - This includes Windows and Fedora/RHEL/CentOS clients, i.e. bilions of client and server machines

Summary of the draft

- User of dynamic update implementation has to decide which DNS node should be updated
    - "Follow or not to follow CNAME before a update?"

- If you are an ordinary client, follow the chain of CNAMEs in ARPA sub-tree

- If you are changing CNAMEs in RFC 2317-style zone do not follow CNAMEs :-)

- Security Considerations: informative
    - Implentation has to decide if it requires DNSSEC or not
        - It might not make sense for plaintext updates