AS112 v2

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Drafts

- draft-wkumari-dnsop-omniscient-as112-03

- draft-jabley-dnsop-as112-dname-00

Problem Statement

- Various zones are delegated to existing AS112 servers

- Various other zones are good candidates for similar delegation

- Adding zones to existing AS112 service is not practical without widespread lame delegations

-omniscient-as112

- Uses custom code on AS112 node

  - node requirements: "can run custom code" (difficulty: hopefully low)

  - upstream requirements: "can delegate zone" (difficulty: low)

  - resolver requirements: "can act as resolver" (difficulty: low)

-as112-dname

- Uses DNAME redirection

  - node requirements: "can host empty zone" (difficulty: low)

  - upstream requirement: "supports DNAME" (difficulty: low)

  - resolver requirement "does not explode on DNAME" (difficulty: hopefully low)

Migration

- Both approaches most easily implemented by a parallel implementation with suitable candidate new AS112-like zones

  - old-school AS112 delegations can be changed at a later date, or not, whatever

Next

- Authors recommend an experiment with the DNAME approach, followed by testing

  - -omniscient-as112 is plan B

- For purposes of document clarity and to facilitate IANA actions in both cases, we would like to suggest working group adoption of both documents