ENUMbers

Still Climbing Parts of `E164.ARPA`

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Mechanics and Apparatus

- Start at `9.4.E164.ARPA`

- Check all potential child nodes for existence

- Only `0` through `9` are candidates due to name space structure

- Recursively follow existing child nodes

- Non existing nodes (`NXDOMAIN`) help prune the tree

- Depth First or Breadth First Search in the DNS tree

What You See

- 5600 delegations below 9.4.E164.ARPA (was: 3600)

- approx. 11000 NAPTR-RRs (was: 26400)

- with approx. 5800 owners (was 13600)

- small NAPTR RRSets

- 70 DNS Wildcards (see above)

`NAPTR` **Culture**

- Still very many non-registered ENUM services

- Legacy `+E2U`-Services (RFC 2916) now vanishing

- Low TTL Scenarios need more study

  - Sometimes low TTLs on `NS` RRSet as well

Remote Views: AT, CH, UK

- almost 52500 NAPTRs (and owners) in +41

- almost all `E2U+sip`

- all: some even *very* short TTLs (DNSSEC!)

- all: some NAPTRs at non-leaf nodes

- one: non responsive *dominant* name server

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