

nsregd ddns registration implementation

Toke Høiland-Jørgensen <toke@toke.dk>

The nsregd name registration daemon

- Implemented as a DNS Update proxy server (and client)
- Will authenticate clients (on a FCFS/TOFU basis) and the zones they update (and optionally the addresses)
- Speaks TSIG-signed update or unbound's config protocol to upstream server(s)
- Client will lookup server, get IPs from OS, and register hostname (no config required)
- ~2500 lines of Go, GPLv3. <https://github.com/tohojo/nsregd>

Differences from draft-sctl-service-registration-00

- Overloads TTL instead of using "Update Leases" (from draft-sekar-dns-ul-01)
- The client does another lookup step (for SRV `_nsreg._tcp.<zone>`)
- Server only speaks TCP (to avoid spoofing)
- No sleep proxy (Section 4)
- Server only allows A and AAAA records (and will optionally generate reverse PTRs)