

Domain Connect Update (regext)

Pawel Kowalik

24 July 2024 - IETF120 Vancouver

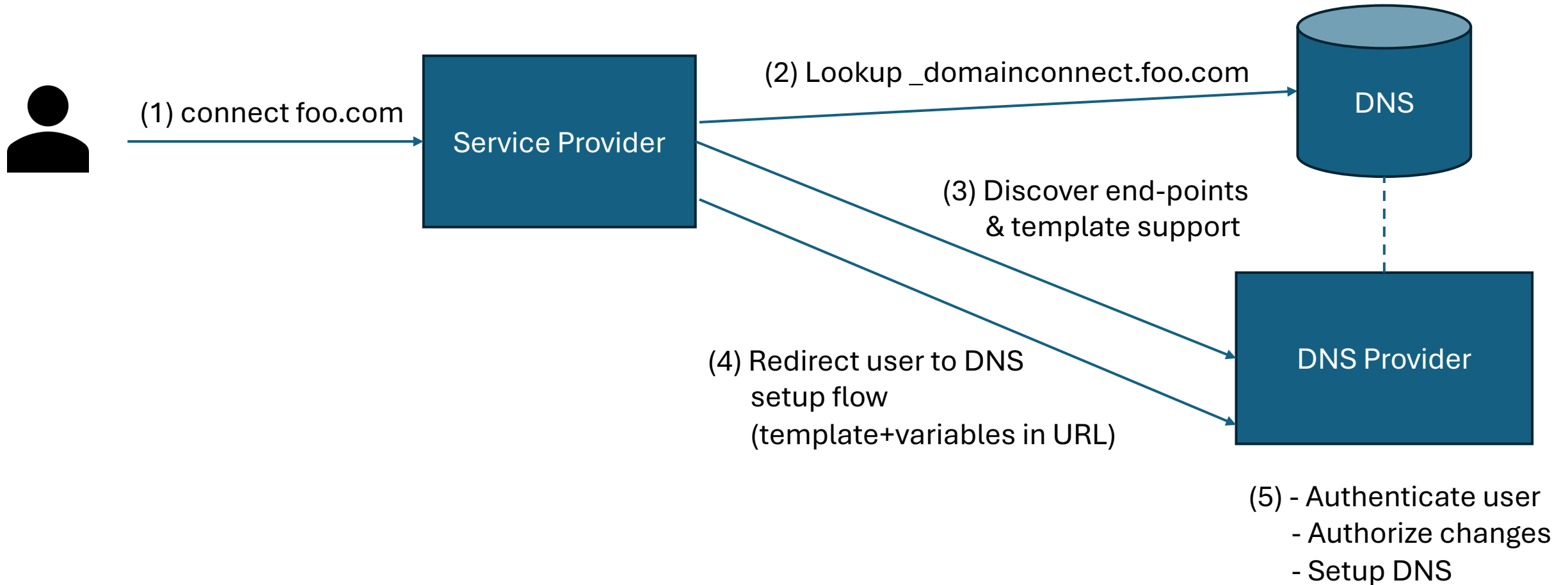
A bit of history

- First presentation in regext by IETF 96 (2016)
- The draft hasn't been updated after 2018 and the original authors moved to other areas since then
- ... but it's more living than you think

What it is

- An application-level protocol to allow service providers the ability to setup appropriate zone records to integrate with their products
- Makes DNS setup to integrate 3rd party products way less complicated for end users
- Template based allowing both static and dynamic variables
- Provide a customer experience that is simple, integrated and seamless
- Operational gains for both service and DNS providers

How it works



Features

- Templates that define the API contract between the providers
- 2 flows:
 - One-off synchronous flow
 - Recurrent asynchronous flow using on OAuth
- Conflict resolution on RR level
- Merging of SPF TXT records from different services
- Support for ephemeral records (like ownership verification)
- URL protected with signature

Implementation status

- DNS Providers
 - ~20 providers, incl. GoDaddy, IONOS, Cloudflare, Squarespace Domains (former Google), Wordpress.com or Plesk
 - 35% of the .com zone (May'24)
- Service Providers
 - 300 templates from over 120 providers, incl. O365, Google Workspace, Apple Cloud+, Weebly, Squarespace...

The specification is quite stable now, but still some providers reluctant to adopt a non-standard.

The way forward

- A refreshed draft [draft-kowalik-regex-domainconnect](#)
- Get feedback from the working group
- Get guidance how to proceed for Standard track