draft-ietf-regext-rdap-openid
Federated Authentication for the Registration Data Access Protocol (RDAP) using OpenID Connect

Scott Hollenbeck
shollenbeck@verisign.com
IETF-104 REGEXT Working Group

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- Purpose
  - Add support for federated authentication to RDAP
- Approach
  - Based on OpenID Connect and OAuth
  - Leverage independent Identity Providers
  - RDAP operators are Relying Parties
  - Use identity and authentication information to make requestor authorization and access control decisions

Implementations

- Servers
  - https://rdap.verisignlabs.com
    - "Thin" experiment with .cc and .tv
  - https://vtrdap.verisignlabs.com
    - "Virtual thick" experiment with .cc and .tv
  - https://rdap-pilot.verisignlabs.com
    - "Thick" experiment with .career (.com and .net, too)
  - Verisign servers support credentials issued from https://www.mojeid.cz/
- Identity Providers
  - https://auth.viagenie.ca
  - https://testprovider.rdap.verisignlabs.com/

Discussion Points

- Ongoing policy development
  - ICANN context in particular
  - Direct impact on needed claims

- Non-browser clients
  - Is the device flow needed?

- Path segments
  - Correct? More needed?

- Custom claims returned in ID token or via UserInfo endpoint?

- Query parameters vs. HTTP headers
  …/domain/example.com?id_token=eyJ0…EjXk&access_token=eyJ0…NiJ9
  vs.
  …/domain/example.com?id_token=eyJ0…EjXk *and*
  Authorization: Bearer <access_token>