WEIRDs

Web Extensible Internet Registration Data Service

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Chartered to... 1

- Standardize a single data framework

- Deliver objects encapsulated in that framework over a RESTful service over HTTP

- Generally following the requirements from CRISP (RFC3707) but...

Chartered to... II

- producing a simple, easy-to-implement protocol, supporting internationalized registration data and, specifically for name registries, capturing the needs of internationalized domain names in the data model.

- possibility of differential service based on client authentication

RESTful?

- Representational State TransFer

  - GET, PUT, POST, DELETE

  - Resources represented by URIs

- On top of HTTP it provides you readily available libraries to do things like
http://whois.example.com/ip/192.0.2.0/operator/contacts/abuse
or
http://whois.example.net/domain/example.com/contacts/registrants

Working group

- (A)symmetry in Numbers and Names

  - Number space has a little number of players and existing implementations

  - Name space has a large number of stakeholders and no(?) implementations

- One protocol to serve them both seems the Good Thing ®

Numbers

- RIRs have running code

  - e.g. https://www.arin.net/resources/whoisrws/

  - more queries over the restful web service than over port 43.

  - this experience is input to the WG

A room filled with grey breathing matter

- The data model

    - What objects need representations

    - How to fit them in the framework

        - Encoding, Internationalization, etc

- WG needs to be careful to not make policy decisions (like *e.g.* telephone numbers MUST be present)

State

- Working group tries to work towards a unified (Names and Numbers) protocol in one set of documents

- For some of the background start with with reading the charter http://tools.ietf.org/wg/weirds/charters

WG-Documents

- draft-ietf-weirds-using-http
  Using the Registration Data Access Protocol (RDAP) with HTTP

- draft-ietf-weirds-rdap-query
  Unified Registration Data Access Protocol Query Format

- draft-ietf-weirds-json-response
  JSON Responses for the Registy Data Access Protocol (RDAP)

- draft-ietf-weirds-rdap-sec
  Security Services for the Registration Data Access Protocol

Please Contribute

- After 2 BOFs the working group was chartered in June 2012

- First face2face meeting was at IETF84 in July 2012, Vancouver, CA

- Next face2face at IETF85, November 4-9, 2012, Atlanta, GA, US

- Please Write, Review, and/or Implement

Coordinates

- http://tools.ietf.org/wg/weirds

- General Discussion: weirds@ietf.org

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