

# WEIRDs

Web Extensible Internet Registration Data Service

Olaf Kolkman

(working group co-chair, with Murray Kucherawy )

# Chartered to... I

- 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 Registry 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](mailto:weirds@ietf.org)
- To Subscribe:  
<https://www.ietf.org/mailman/listinfo/weirds>
- Archive:  
<http://www.ietf.org/mail-archive/web/weirds/>