

# IETF WERIDS Working Group

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# The Need for a New Protocol

- WHOIS (RFC 3912) has never been internationalized
- WHOIS has no data framework
  - Every service you query could present certain data differently
  - No standard for expressing dates or phone numbers, for example

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# The Need for a New Protocol

- WHOIS does not have capabilities to support differentiated access
  - All clients look the same
  - Difficult to give particular clients (law enforcement, security vendors) privileged access
  - “Privileged” might only mean faster responses or no rate limits

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# IETF WEIRDS (Web Extensible Internet Registration Data Service)

- Chartered to:
  - Standardize a data framework
  - Deliver objects encapsulated in that framework over a RESTful service over HTTP
  - Generally use the requirements from CRISP (RFC 3707) as a guide
  - Produce a simple, easy-to-implement protocol, supporting internationalized registration data

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# IETF WEIRDS (Web Extensible Internet Registration Data Service)

- Chartered to:
  - Include capability of differential service based on client authentication
  - Address the needs of both number and name registries



# What is RESTful?

- REpresentational State Transfer
  - Uses HTTP (simple interface)
  - Stateless
  - Resources are represented by URIs
  - Can be layered
  - Cacheable

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Where the data is.

What type of data it is.

The ID of the data.

<http://whois.arin.net/rest/poc/KOSTE-ARIN>



# Running Code, Already?

- Number registries have running code
  - Some (e.g., ARIN) now receive more queries to RESTful service than to traditional port 43 WHOIS

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# WG Status

- Working Group Chartered in April 2012
- Working on 5 core RFCs now
  - Use of RDAP over HTTP
  - Query format (a URI)
  - Query reply (JSON)
  - Security considerations
  - Redirects
- Scheduled to complete by December 2013





# Process Overview

- WG comes to consensus on document content
- Document is assigned to a *shepherd*
  - Shepherd does a review, solicits outside reviews if needed, runs checklist
- Document referred to sponsoring *Area Director* for review
  - Unless revisions are needed, Area Director initiates IETF-wide Last Call, open for two weeks

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# Process Overview

- On completion of Last Call, document is placed on an *IESG* Telechat (every two weeks)
  - IESG is a committee of the fifteen Area Directors
  - IESG may approve or request changes
- Once approved, document enters *RFC Editor* queue (3-6 weeks)
  - Final editing, last chance for changes
- RFC published

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# Get Involved

- Next Meeting: IETF 85 -- November 4-9, Atlanta, GA
- <http://datatracker.ietf.org/wg/weirds>
  - Charter
  - Drafts
  - Contact information
  - Mailing list

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# Thank You



# Questions

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