

Update On Recent IETF WHOIS activities

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Taxonomy of Whois (SAC 051)

- **Registration Data** - the information that registrants provide when registering a domain name and that registrars or registries collect
- **Access Protocol** - the elements of a (standard) communications exchange that make access to registration data possible
- **Directory Service** - service(s) offered by registries and registrars to provide access to a subset of the Domain Name Registration Data



The Need for a New Protocol

- The WHOIS (RFC 3912) has never been internationalized
- The WHOIS has no data framework
- The WHOIS does not have capabilities to support differentiated access



IETF WEIRDS (Web Extensible Internet Registration Data Service)

- Standardize a data framework
- Deliver objects encapsulated in that framework over a RESTful service over HTTP
- Generally following the requirements from CRISP (RFC 3707) but ...



IETF WEIRDS (Web Extensible Internet Registration Data Service)

- producing a simple, easy-to-implement protocol, supporting internationalized registration data
- possibly of differential service based on client authentication
- addressing the need for both number and name registries



What is RESTful?

- Representational State Transfer
 - Resources are represented by URIs
 - GET, PUT, POST, DELETE

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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>

- Number registries have running code, for some, more queries to restful web service than port 43 WHOIS



Status

- Chartered in April 2012
- Working on 4 core RFCs now
- Scheduled to complete by August 2013

- <http://datatracker.ietf.org/wg/weirds/>



Thank You



Questions

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