# Update On Recent IETF WHOIS activities

Steve Sheng



### 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



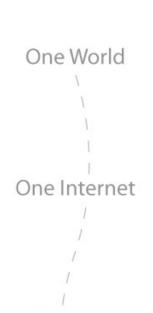
# IETF WEIRDS (Web Extensible Internet Registration Data Service)



- 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-toimplement 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

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



# One World One Internet

## Questions

