Enabling Future Directory Services for Domain Registration Data

ICANN Meeting, San Francisco, USA

Elise Gerich

16:00 – 17:30
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Goals

- To better understand the requirements for directory services for domain registration data

- To better understand some of the existing technologies (IRIS, RESTful Whois)

Agenda

- RESTful Web Whois Service (Andy Newton, ARIN)
- Discussions on requirements
- Next steps and process

A RESTful Web Service for Whois

Andy Newton,

Chief Engineer, ARIN

Possible requirements for an improved Whois/new directory service

- ## What this exercise is about?

  Listing high level requirements for an improved Whois/new directory service that stem from both real world needs and technical best practices/intentions.

- ## What this exercise is *not* about?

  Producing a functional requirement in the IETF sense (the role of IETF!)

- ## Where should these possible requirements come from?

  A list of requirements from end users/ consumers and a list of requirements from the engineers that will develop and operate the system

Inventory of WHOIS Service Requirements

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Background

1. May 2009 -- The GNSO Council requested that Policy Staff **collect and organize a comprehensive set of requirements for the WHOIS service policy tools**. These requirements should **reflect** not only the **known deficiencies** in the current service but should **include** any **possible requirements** that may be needed to support various policy initiatives that have been suggested in the past.

2. The synthesis of requirements should be done in consultation with the SSAC, ALAC, GAC, the ccNSO and the GNSO and a **strawman proposal should be prepared** for these consultations.

Goals & Non-goals

Collect and organize a set of **technical requirements for community consideration:**

- Current features identified as needing improvement
- Features to support various past policy proposals
- Features recommended by ICANN Sos, ACs, community

NOT gathering policy requirements
NOT recommending policy

Status of the report

- Released draft Report in March 2010, sent report to ALAC, SSAC, ASO, GNSO, CCNSO for input

- Received input from RySG (GNSO), ALAC, and a group of technical experts (SSAC)

- Incorporated comments and released Final Report on 29 July 2010

Compilation includes:

- Mechanism to find authoritative Whois servers
- Structured queries
- Standardized set of query capabilities
- Well-defined schema for replies
- Standardized errors
- Internationalization
- Security

Categorize and Prioritize Requirements

Borrowing IETF's general categories to indicate requirement levels [RFC 2119]

- Must - an absolute requirement
- Should – Recommended
- May - truly optional

- Only using this as a high level framework

Discussion

- How to finish the list of requirements?
- Coordination with IETF