

Roadmap to implement SAC 051 Recommendations (Replacing the WHOIS protocol)

13 March 2012

ccNSO, 17:00-17:20



Agenda

- SAC051: SSAC Report on Domain Name WHOIS Terminology and Structure1
- Current Developments at the IETF
- Draft Roadmap to implement SAC 051



Roadmap to Implement SAC 051

- **28 October 2011 Board Directs ICANN Staff to:**
 - Produce, in consultation with the community, a roadmap for the coordination of the technical and policy discussions necessary to implement the recommendations outlined in SAC 051.
 - Forward SAC 051 to ICANN's Advisory Committees and Supporting Organizations for their advice, if any, with regards to implementing the SSAC recommendations, and to forward SAC 051 to the Whois Review Team.
- **18 February 2012:** Draft roadmap posted for public comment at: <http://tinyurl.com/SAC051>
- **15 March 2012:** Public Workshop “Replacement of WHOIS,” Boungainvillea Room, 1300-1400

*SAC 051: SSAC Report on
Domain Name WHOIS
Terminology and Structure*

SAC 051 Recommendations

The ICANN community should:

1. Adopt the terminology outlined in SAC051.
2. Evaluate and adopt a replacement domain name registration data access protocol that supports the query and display of Internationalized Domain Name Registration Data (DNRD) as well as addressing the relevant recommendations in SAC 003, SAC 027 and SAC 033.
3. Develop a uniform and standard framework for accessing DNRD that would provide mechanisms to define and implement a range of verification methods, credential services, and access control capabilities.

WHOIS Taxonomy

- Domain Name Registration Data (DNRD)
- Domain Name Registration Data Access Protocol (DNRD-AP)
- Domain Name Registration Data Directory Service (DNRD-DS)

Observations about WHOIS

- No uniform data model that exists for domain name registration data
- The WHOIS protocol itself has no standard capacity for handling non-ASCII text
- Directory services do not satisfy legitimate needs for access to different granularities of data

Current Developments at the IETF

WEIRDS Process

- Worthwhile Extensible Internet Registry Data Service - WEIRDS
- Broadly aligned with CRISP requirements (RFC 3707)
- REST based web service for easy implementability

WEIRDS Process

- BOF in last IETF meeting int Taipei
- Strong agreement to do work on Internet numbers (RIRs)
- Skepticism expressed about work on domain names
- No agreement yet on proposed charters
- Another BOF in Paris

Participate!

Those showing progress will find a more receptive IETF environment

Participate at:

<https://www.ietf.org/mailman/listinfo/weirds>

Draft Roadmap to Implement SAC 051

Current environment

- GNSO's WHOIS Service Requirements Report
 - List various requirements, e.g., discoverability, structured queries, standardized replies and error messages, internationalization, security elements
- Joint GNSO-SSAC IRD WG (draft final report)
 - Similar recommendation to replace WHOIS
- AoC's Whois Policy Review Team (draft report)
 - Similar recommendation to replace WHOIS
 - Additional recommendation to include replacement in contracts

Path Forward/ New Terminology

1. Prepare a one-page summary of the terminology recommended by SSAC to be shared within staff and stakeholders, through SO/AC chairpersons
2. Transition to the preferred terminology in documents over a period of time by incorporating them into working documents accompanied by definitions.

Path Forward/ Replacing WHOIS

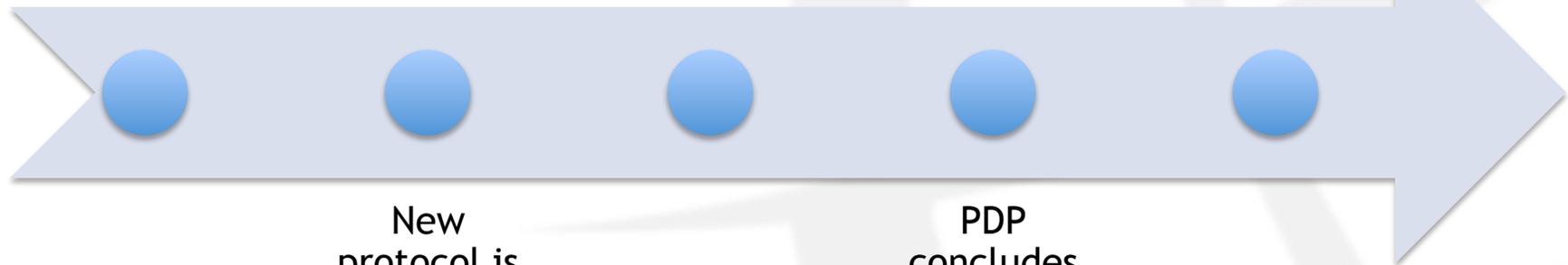
- Promote participation of ccTLD and gTLD registries and registrars in the development of a protocol to replace WHOIS within the IETF
- Initiate a GNSO PDP with ccNSO, SSAC and ALAC participation to replace the WHOIS protocol?
- Negotiate the inclusion of provisions in gTLD registries and registrars' contracts, as appropriate
- Promote adoption of the WHOIS replacement protocol within ccTLDs

Roadmap to Implement SAC 051

gTLDs start adopting provision to replace WHOIS during 2012

Deployment by first adopters starts

Remaining gTLDs deploy new protocol



New protocol is standardized

PDP concludes

ICANN promotes ccTLD, gTLD, and registrars participation in IETF effort

Deployment by first ccTLD adopters starts

ICANN promotes adoption by ccTLDs



Next Steps

- Draft roadmap for public comment until 18-Mar, reply period ends on 8-Apr:
<http://tinyurl.com/SAC051>
- It is envisioned to have a second version of the roadmap for public comment, depending on input received
- Roadmap will be finalized for Board and community action by Prague meeting in June 2012
- Public Workshop “Replacement of WHOIS,”
Bougainvillea Room, Thursday, 1300-1400

Questions?



Thank You

