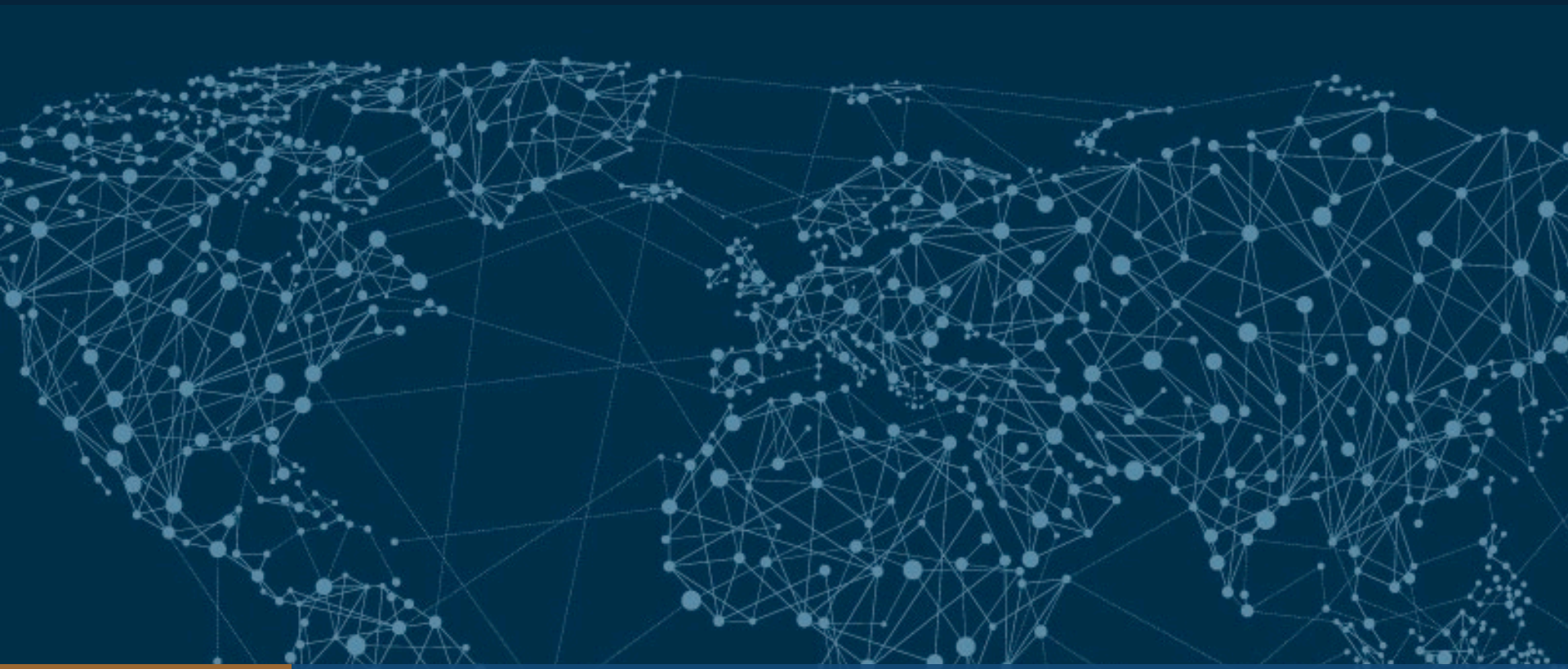

ICANN|57
HYDERABAD



RDAP Implementation

Cyrus Namazi | ICANN57 | 7 November 2016

Objective of this session

- The Registration Data Access Protocol (RDAP) is intended to eventually replace the WHOIS (port 43) protocol
- ICANN is preparing to request implementation of RDAP from gTLD registries and registrars in the short term
- This session will offer an opportunity to discuss the different community members' challenges and questions surrounding RDAP implementation.

Main RDAP Features *vs*. WHOIS

- Standardized query, response and error messages
- Secure access to data (i.e., over HTTPS)
- Extensibility (e.g., easy to add output elements)
- Bootstrapping mechanism to easily find the authoritative server for a given query
- Standardized redirection/reference mechanism (e.g., from a registry to a registrar)
- Builds on top of the well-known web protocol HTTP/HTTPS
- Support for internationalized registration data
- Differentiated access (e.g., limited access for anonymous users, and full access for authenticated users)

RDAP History

- **19 September 2011:** SSAC's SAC 051: "*The ICANN community should evaluate and adopt a replacement domain name registration data access protocol*"
- **28 October 2011:** Board resolution adopts SAC 051
- **4 June 2012:** Roadmap to implement SAC 051 is published
- **2012:** RDAP community development within IETF WG begins
- **March 2015:** RDAP IETF RFCs are published
- **June 2015:** Begin work on the RDAP gTLD Profile which maps RDAP features to existing policy and contractual requirements
- **26 July 2016:** Version 1.0 of RDAP gTLD Profile is published

Development of the RDAP gTLD Profile – Timeline

- Discussion with the community about a profile's concept in June 2015
- First draft of the gTLD RDAP profile shared for discussion with the community in September 2015.
- Working session during ICANN meeting on 21-Oct-2015
- Working session during IETF meeting on 4-Nov-2015
- Updated version went for public comment from 3-Dec-2015 to 18-Mar-2016
- Working session during ICANN meeting on 7-Mar-2016
- Updated release candidate 1 version shared for discussion with the community on 30-Jun-2016
- Updated release candidate 2 version shared for discussion with the community on 22-Jul-2016
- Version 1.0 of RDAP gTLD Profile published on 26-Jul-2016

RDAP – Current Status

- The implementation of RDAP was required by the first version of the Consistent Labeling & Display Policy
- Registries submitted a “Request for Reconsideration” regarding the inclusion of RDAP in the Consistent Labeling & Display policy, among other things
  - Revised Consistent Labeling & Display Policy, removing the RDAP requirement, is currently open for public comment
- ICANN plans to request RDAP implementation, via existing contractual requirements, once the Consistent Labeling & Display policy is finalized and following consultations with the community


Panel Discussion

Engage with ICANN

Thank You and Questions

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Roadmap to Implement SAC 051

gTLDs start adopting provision to replace WHOIS during 2012

Protocol is standardized in the IETF

Deployment by first adopters starts

PDP concludes

Remaining gTLDs deploy new protocol

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

Deployment by first ccTLD adopters starts

ICANN promotes adoption by ccTLDs