

I C A N N

COMMUNITY FORUM

58

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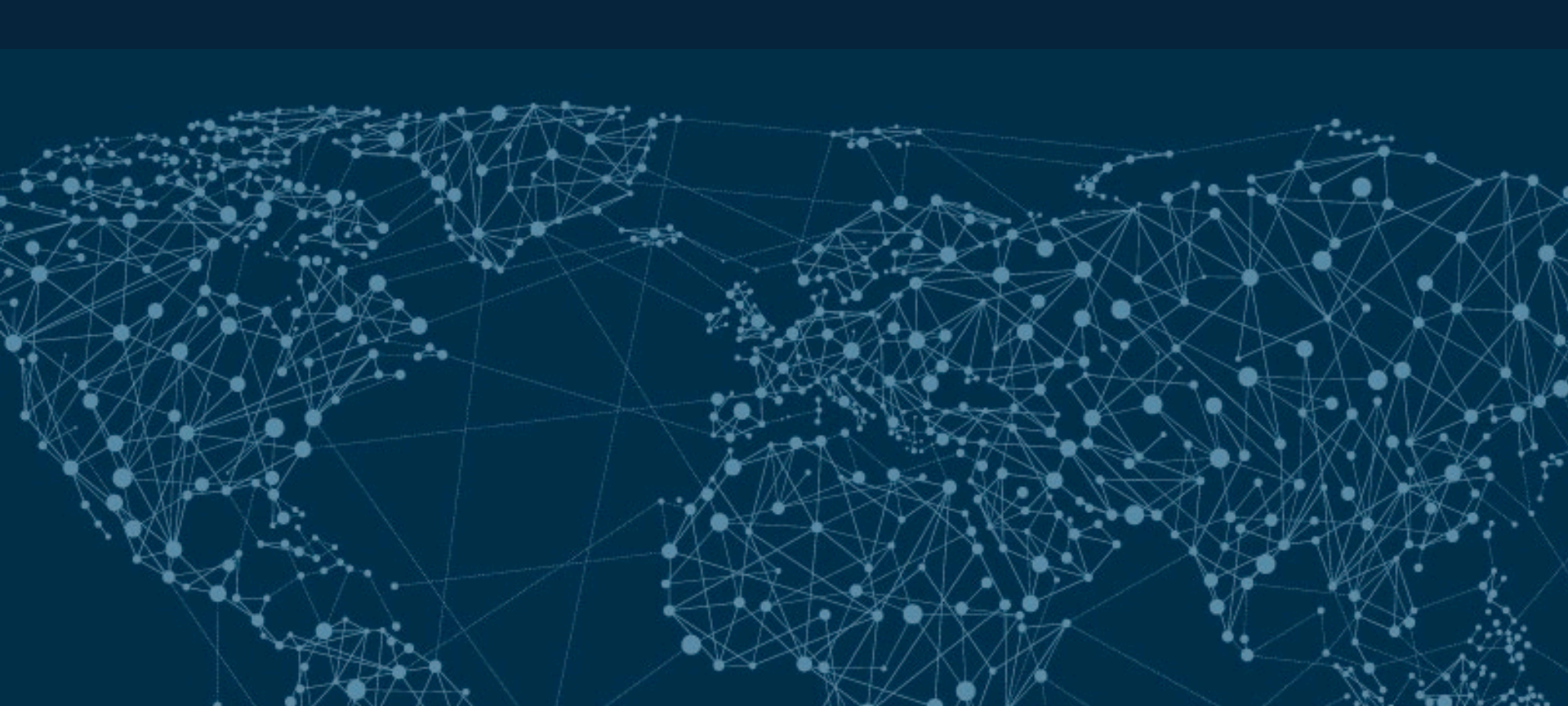
11-16 March 2017



Registration Directory Service (RDS) Review: WHOIS

- ⦿ The RDS Review Team “Call for Volunteers” has been extended.
- ⦿ The new deadline for applications is March 20, 2017.
- ⦿ Visit “Announcements on ICANN.org to learn how to apply or follow this link: <https://www.icann.org/news/announcement-2-2017-02-22-en>





RDAP Implementation

Cyrus Namazi | ICANN 58 | 15 March 2017

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

RDAP – Current Status

- **9 August 2016:** The RySG submitted a “Request for Reconsideration” regarding the inclusion of RDAP in the Consistent Labeling & Display policy, among other things
- **1 February 2017:** A revised Consistent Labeling & Display Policy, removing the RDAP requirement was published
- **This session will explore a new proposal to implement RDAP in the gTLD space**

Proposed RDAP Implementation

- ⦿ Require RDAP implementation on a contractual basis,
 - ⦿ with a set of technical requirements backed by existing policy or contractual provisions,
 - ⦿ other provisions will become recommendations, and
 - ⦿ allowing optional experimentation with additional features on top of the technical requirements.
- ⦿ Future PDP work (e.g., RDS PDP) or contractual negotiation could modify requirements in the future.

What would become Recommendations?

1. **Inclusion of link to registrar RDAP service for thin registrations**
2. **Secure transport (HTTPS) only / authentication of origin**
3. **Support for IDN queries in Unicode and responses**
4. **Reporting requirements for RDAP queries**
5. **Use of DNSSEC**
6. Use of DANE – potential future of digital certificates in DNS
7. Version identification
8. RDAP extensions registered with IANA
9. Description for the reason to truncate a response
10. Inclusion of IP addresses for name servers
11. Inclusion of variants in response
12. Queries for registrar objects using the IANA id
13. Requirement for only one registrant, admin, and technical contact
14. Standard “place” for the terms of service and help of the service
15. Standardization of responses for names not sponsored by registrar being queried

Main RDAP Features vs. WHOIS

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

Next Steps

- ◉ Share proposal with RySG and RrSG
- ◉ Share proposal with gTLD-tech mailing list
- ◉ Update proposal as needed
- ◉ Potential public comment
- ◉ Request RDAP deployment based on contractual language for both registries and registrars by 1 August 2017 with effective of 1 February 2018

Panel Discussion

Engage with ICANN



Thank You and Questions

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